Luci

LED LIGHTING
CATALOG
2023

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Indoor

Strip Light

32	UQ FLEX	NEW	Dotless flexible linear light with top/side bend, connectable max. 10m per run
46	Power FLEX EX		High efficacy type, various LED pitch and wattage
56	Power FLEX Spect C		Ideal for display light which needs quality light such as luxury goods or artwork
60	Power FLEX		Ideal for shelf light with small cuttable unit
68	Power FLEX THOF®	RENEWAL	Dynamic white tape light, free to select CCTs
74	Flat FLEX F		Low brightness top bend strip light, ideal for furniture light
82	Power FLEX α		Side bend type for curved shape cove light
88	FLEX α F		Low brightness side bend strip light, ideal for skirting light

Rigid Light

96	Vivoxy Graze	RENEWAL	Wall grazing light with small section size with High CRI >90
104	Vivoxy Graze THOF®	NEW	Dynamic white wall grazing light with small section size, free to select CCTs
112	RECTA		Square shape of three surface emission with high brightness, dotfree
118	THOF®	RENEWAL	Dynamic white type of square homogeneous rigid light, free to select CCTs
124	Creide® lens / F		Low height crescent shape light with narrow/wide-angle, ideal for cove light
134	silux® K		Squared shape small section light for shelf, dotfree
144	silux® wide K		Quarter circular shape light for wider light distribution for shelf, dotfree
154	nano line		Only 5mm light emission surface for recessed linear light, dotfree

Meyer House
Client: Secure Venture Development (No.1) Pte Ltd
Architect: WOHA Architects
Lighting Designer: Light Collab
Photography: ND Photography

Outdoor

Strip Light

162	Vivoxy FLEX IP67	NEW	Flexible wall grazing light for curved facade
170	UQ SAUNA IP67	NEW	Ideal for Sauna, flexible semi-diffused linear light
176	UQ FLEX IP67	RENEWAL	Dotless flexible linear light with top/side bend, connectable max. 10m per run
190	Power FLEX EX IP65		High efficacy type, various LED pitch and wattage
196	Power FLEX IP65		Small cuttable unit with maximum 5m custom length
202	Flat FLEX F IP65		Low brightness top bend strip light, ideal for night light in hotel bathroom, ideal for cove light
208	FLEX α F IP65		Low brightness side bend strip light, ideal for handrail and landscape.

Rigid Light

214	EFRO IP65	Moisture-proof ideal for bathroom and semi-outdoor, dotless
222	Power LEDs Line IP65	Compact yet powerful Outdoor grazer
228	LEDs Bar IP65	3 surface emitted, completely dotless ideal for recessed linear light on the wall
234	LEDs Line IP67	UV protected facade Semi-diffused ideal for outline of the building

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What's Luci / Strength Luci

History of Luci

Established as a lighting division of PROTERAS Co. Ltd., in 2004. Luci has since gained international awe for its impeccable range of lighting products from Japan.

Considerably a young brand in the market. Luci is proud to be recognized as the brand of choice by the majority. With that, Luci is very pleased to have a number of impressive project references to share with the world. All this is possible as a result of undeniable fighting spirit by the pioneers of the company from the beginning of Luci. Along with the strong & active support of the industry. Luci will continue to strive for perfection in every project to come.

2004 - Established Luci brand in Contents Co., Ltd. in Tokyo
2009 - Luci (Shanghai) Lighting Technology established
2010 - Company name was changed to PROTERAS Co., Ltd.
2011 - Beijing office established
2012 - Luci Pte. Ltd. in Sigapore and Hong Kong established
2015 - Luci Co., Ltd. established

2004 Strip light | Rigid light | Outdoor Rigid | Insect trap light | Inspection light | Flexible dotless | Original PSU | Flexible grazing 2022

Strength Luci

Design Policy

Our in-house research and development team design our products from concept to appearance and choosing materials. We pursue high usability through simple and minimum designs that provide both an attractive price and good function. More than 15 cases of the uniquely designed products by Luci have been patented in Japan, demonstrating that they have been able to bring customers' needs to market quickly.

Quality control

We conduct strict reliability tests at internal and third parties based on JIS standards and CE mark standards.

Product range

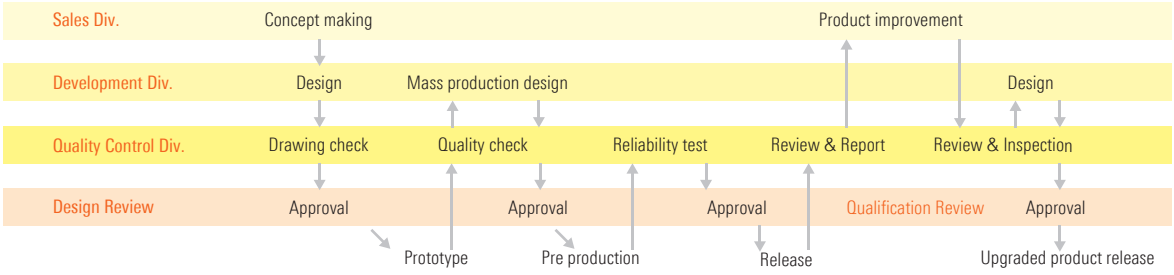
Since the release of FLEX series in Japan in 2004, we have developed and sold products such as homogenous rigid light and wall graze light etc. in response to the architectural and interior market needs. Today, we are developing not only architectural lighting but also functional lighting such as LED insect traps, inspection lighting with CRI97 for printing and manufacture industry, and our original switching power supplies.

Warranty period

Luci standard warranty period is 2 or 3 years from shipping date. If the LED fixture has trouble during this period, we will repair or replace it free of charge. In case of the requirement of the warranty period, we will provide up to 5 years warranty after consulting the installation environment and usage hours per day. Please refer to the appendix in this catalogue for further detail.

Product development and improvement process

We develop new products and improve the existing products in a collaboration between sales, development, and quality control team. Design review is carried out speedily at the appropriate time, and new products launch with the results of reliability tests. Also, to maintain the quality of products at the factory, we regularly review and have an inspection after release, and update the products and materials depending on technical improvement.



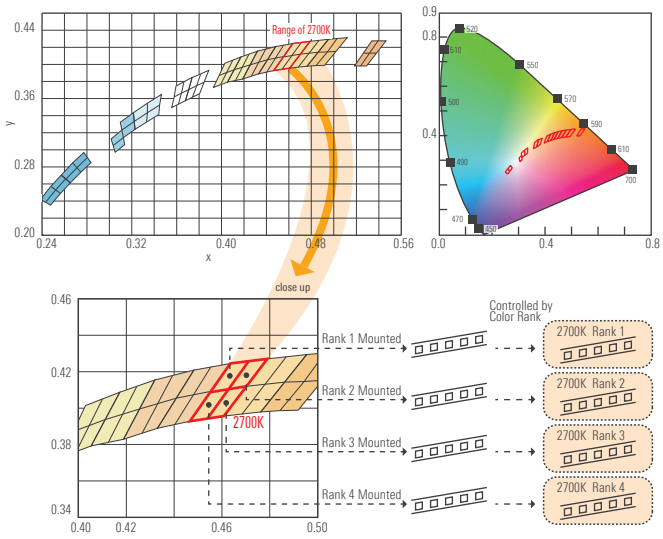
Luci brand global network

Our offices are located in Tokyo, Osaka, Singapore, Hong Kong, Shanghai, Beijing and South Korea. We've supplied our products to more than 30 countries including Europe and the Middle East by working with local distributors.
Even if the designer and the location of the project are in different countries, we use the Luci brand network to closely communicate information and support the success of your project.

Color Management

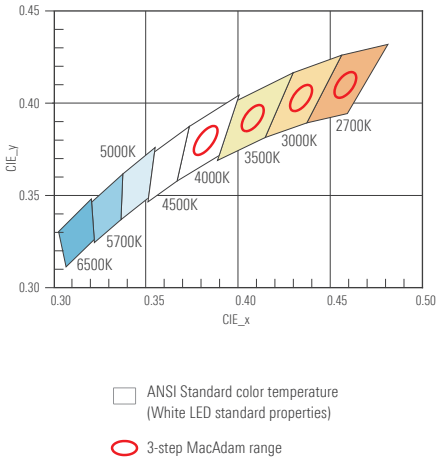
▶ ANSI Bin

The LED package that we select by color coordinates are procured for each rank and these are not mixed with other ranks when being mounted on circuit boards. Inventory and shipment is managed each LED rank. In addition, a visual color inspection of all unit is conducting before shipping.
Please note that the color temperature of some of products sold by Luci are outside the industry standard to meet the needs of customers. Luci original rules has been set for these.



▶ MacAdam 3 step

Part of Luci' s new products and improved products have adopted the MacAdam 3 steps LED package which is said the color is more uniform and consistent.
"MacAdam ellipses" is a standard derived from visual color matching experiments and shows the standard deviation of the color discrimination variations from a specific centre color on the xy chromaticity diagram.
The standard deviation shown with the "McAdam ellipses" does not indicate a color difference distinguishable by the average human eye, but in another experiment MacAdam found that the color discrimination threshold is about three times (3-Step) the standard deviation.



Variety of Color temperature

Nominal color temperature variation

		D	N	W	WW	L30	L27	L24	L21	L19
Power FLEX	P.60									
Power FLEX THOF	P.68									
Flat FLEX F	P.74									
Power FLEX α	P.82									
FLEX α F	P.88									
Vivoxy Graze	P.96								L22	
Vivoxy Graze THOF	P.104								L22	
nano line	P.154									
Power LEDs Line IP65	P.222									
LEDs Line IP67	P.234									

* Please check the product specification in detail.
* The actual color temparature may vary depends on product series.

Variety of Color temperature

Nominal color temperature variation

		D	N	W	WW	L30	L27	L24	L21	L19
UQ FLEX, UQ FLEX α	P.32/176									
Power FLEX EX	P.46									
Power FLEX Spect C	P.56									
Vivoxy Graze	P.96									
Vivoxy Graze THOF	P.104									
RECTA	P.112									
THOF	P.118									
Creide lens / Creide F	P.124									
silux K / silux wide K	P.134/144									
Vivoxy FLEX IP67	P.162								L22	
UQ Sauna IP67	P.170									
EFRO	P.214									
LEDs Bar IP65	P.228									

Design support

We regularly release the project reference and application book that includes the tips of installation to get the best performance of the lightings. For calculation, ies file of all products could be downloaded on our website.
In the case of customised requirement, our sales and design team will support the designer.

Planning and customer support

This catalog covers all of the installation cross-section sizes, required mounting parts and also notes on installation. We would provide a free demo sample on your request as we believe the quality of light can not be compared only by seeing the specifications.
Our inbound sales team can respond to emails within short notice. Any inquiries are welcomed at info@luci.co.jp

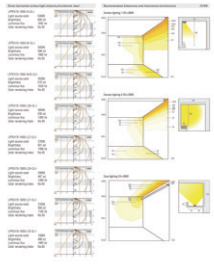
Showroom

Singapore office & Show room

Hong Kong Show room

HoteLuci

WEB site


lux distribution

Project List

SIA Kris Flyer Lounge
Location: Singapore
Lighting Design: Light Direction Singapore
Architect: HBA

THE QUAYSIDE
Location: Hong Kong
Lighting Design: LIGHTLINKS INTERNATIONAL LIMITED

Shanghai Shui On Plaza
Location: China

Mia Saigon, Luxury Collection Hotel
Location: Vietnam
Lighting design: LUMINO DESIGN

Chinese Restaurant at Hilton Colombo
Location: Sri Lanka
Architect office: Nu Studio
Lighting design: BO Steiber Lighting DesignĐ
Construction: Access Projects

means the regions that our products have spread out.

Rosewood Cambodia Chinese Restaurant
Location: Cambodia
Owner: Vattanac Properties
Interior Design: Vattanac Properties

OKADA Manila
Location: Philippines
Architect Office: MIURASHIN ARCHITECT+ASSOCIATES
Lighting Design : Christine Sicangco Lighting Design Inc
Photo by: John Daryl Ocampo

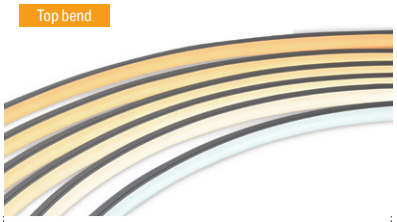
JG Dubai
Location: Dubai
Architects Office: Curiosity
Lighting Design: L'Observatoire International
Construction: RK Gulf LLC
Photo: Nacasa & Partners Inc.

Singapore	Gardens by the Bay
	Victoria Theatre
	National Art Gallery
	Atlas Bar - Park View Square
	PLQ
	Google office
	States Court
	SIA Krisflyer Lounge
	79 Anson Road
	SMU Extension
	Bugis Junction
China	Shanghai Dongjiao State Guest Hotel Meeting Center
	Taikoo Li Qiantan Shanghai
	Shanghai Times Square
	Wework Shanghai Office
	Wuxi qiangxiang Villa
	Shanghai Tomson Riviera Villa
	Shanghai Merchants Building
	Suzhou River landscape in Shanghai Shanxi Rd
	Audi House of Progress Shanghai
	Plaza 336 Building
Hong Kong	Ocean Park Marriot Hotel
	Novotel Century Wanchai
	Hong Kong Jocky Club
	Hong Kong Disneyland Hotel
	The Lohas
	Goldman Sachs office
	Skycity
	Nam Cheong Station Driveway & Drop-Off
	FLEUR ISLAND
	The Peak Tram Terminus
	Hong Kong International Airport
Macau	MGM Cotai
	Wynn Macau
	Studio City Iconic Hotel
Taiwan	The Wings of The World, Taichung
	GIVENCHY Breeze Xinyi Store
Japan	ANA Crown Plaza Hotel Osaka
	TOKYO MIDTOWN HIBIYA
	The Prince Gellery Tokyo Kioicho
	La Locanda at The Ritz-Carlton, Kyoto
	ROKU KYOTO, LXR Hotels & Resorts
	InterContinental Yokohama Pier 8
	Mitsui Garden Hotel Jingugaien Tokyo Premier
	Tokyo Bay Shiomi Prince Hotel
Korea	Signiel Hotel
	Josun Palace
	Paradise Hotel & Resort, Inchon
	LEGO LAND
	Korean Air T2 Lounge
Europe	SHIATZY CHEN PARIS
	London Marriott Hotel Regents Park
	Ace Hotel
Turkey	Roka Instanbul
Vietnam	MOVENPICK HOTEL
	Hilton Saigon
	Sheraton Danang
	Vingroup Resorts
	Takashimaya Saigon Centre
Cambodia	Rosewood Cambodia
Indonesia	Menara Astra
	TOTO Building
	Verde Two
	Trinity tower
	Pakubuwono Spring
	InterContinental Jakarta Pondok Indah
Malaysia	Genting Casino T2B
	The Ritz-Carlton, Langkawi
	ABC Cooking Studio at Pavilion
	Melawati Mall
	The RuMa
	Dewakan restaurant
Thailand	ICON SIAM
	SIAM TAKASHIMAYA
	Bangkok Thailand Temple
	Sindhorn Kempinski Residence
Brunei	ROYAL BRUNEI LOUNGE
Myammer	The Okura Prestige Yangon
	Rosewood Yangon
Philippines	OKADA Manila
	Ayala Mall Cebu
	Proscenium at Rockwell
	SMART
	ArthaLand Century Pacific Tower
	Solaire Resort and Casino
India	TAJ VIVAANTA , BHOPAL
	Lupin office
	The Oberoi, New Delhi
Sri Lanka	Hilton Colombo
Bangladesh	Radisson Blu Chittagong Bay View
Maldives	Four Seasons Voavah
Mauritius	Shangri-la Hotel
Australia	Shangri-la Hotel Sydney
	Arup Sydney office
	Quay Quarter Tower
UAE	One Za'abeel
	Royal Atlantis
	BVLGARI RESORT DUBAI
Bahrain	The District Tower
Azerbaijian	Sheraton Baku Airport Hotel
Oman	Al Bustan Palace Hotel
Qatar	Hamad Internation Airport Terminal Expantion
	Seef Lusail Doha
Jordan	Hyatt Regency
Kuwait	Four Seasons
	Grand Hyatt Kuwait Chinese restrant
Lebanon	Club Dining Beirut
Uganda	Uganda Pedestrian Deck

Lamp fitting list

Indoor

Strip Light

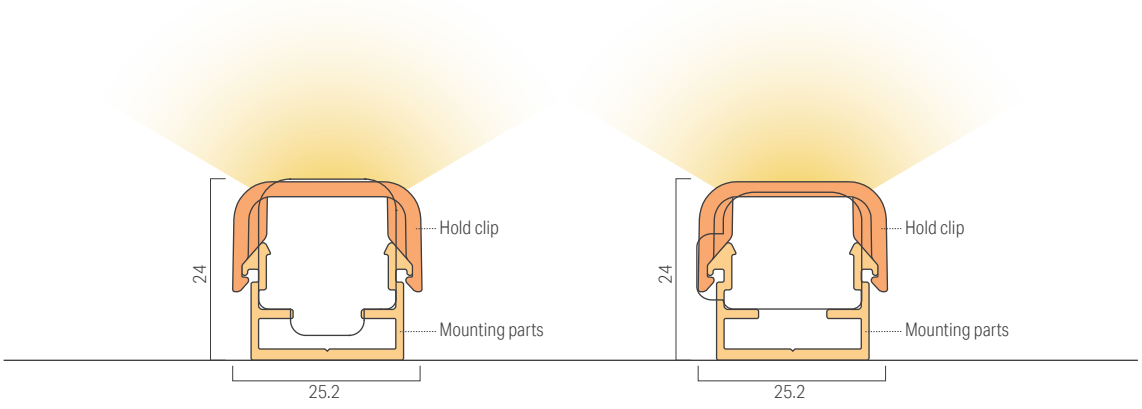


Product name	New Luci UQ FLEX (15.8W/m)	New Luci UQ FLEX (12.6W/m)	New Luci UQ FLEX (8.4W/m)
LED pitch	-	-	-
Model No. Description page	LFU-T＊＊＊-＊-DF-I-15 P.34	LFU-T＊＊＊-＊-DF-I-12 P.34	LFU-T＊＊＊-＊-DF-I-8 P.34
Custom order	○	○	○
Max. customised Length	5m	5m	5m
Diffuser Tube	○	○	○
Input voltage	DC24V	DC24V	DC24V
Power consumption	15.8 W/m	12.6 W/m	8.4 W/m
Dimension	(Length)x16x15mm	(Length)x16x15mm	(Length)x16x15mm
LED beam angle	—	—	—
Max. length per circuit	10m	10m	10m
Cuttable unit	50mm	50mm	50mm
Delivered CCT	○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent		
D 6000K Ra92	＊ 908 lm	＊ 724 lm	＊ 483 lm
N - -	＊ -	＊ -	＊ -
W 4000K Ra93	○ 921 lm	○ 734 lm	○ 490 lm
WW 3200K Ra93	○ 856 lm	○ 683 lm	○ 455 lm
L30 2700K Ra94	○ 774 lm	○ 617 lm	○ 411 lm
L27 2500K Ra93	○ 781 lm	○ 623 lm	○ 415 lm
L24 2300K Ra93	○ 718 lm	○ 573 lm	○ 382 lm
L21 - -	＊ -	＊ -	＊ -
L19 - -	＊ -	＊ -	＊ -

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed.
Please use as reference materials for your planning.

Cross-sectional sizes when mounted

scale=1:1

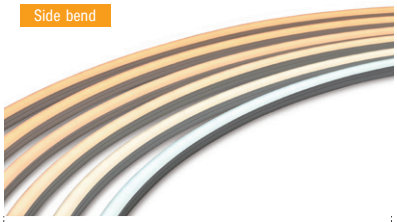


Luci UQ FLEX _ Back feed

Luci UQ FLEX _ Side(Right) feed

Indoor

Strip Light



Product name	New Luci UQ FLEX α (15.8W/m)	New Luci UQ FLEX α (12.6W/m)	New Luci UQ FLEX α (8.4W/m)
LED pitch	-	-	-
Model No. Description page	LFUA-T＊＊＊-＊-DF-I-15 P.36	LFUA-T＊＊＊-＊-DF-I-12 P.36	LFUA-T＊＊＊-＊-DF-I-8 P.36
Custom order	○	○	○
Max. customised Length	5m	5m	5m
Diffuser Tube	○	○	○
Input voltage	DC24V	DC24V	DC24V
Power consumption	15.8 W/m	12.6 W/m	8.4 W/m
Dimension	(Length)x16x15mm	(Length)x16x15mm	(Length)x16x15mm
LED beam angle	—	—	—
Max. length per circuit	10m	10m	10m
Cuttable unit	50mm	50mm	50mm
Delivered CCT	○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent		
D 6000K Ra92	＊ 687 lm	＊ 548 lm	＊ 365 lm
N - -	＊ -	＊ -	＊ -
W 4000K Ra93	○ 694 lm	○ 553 lm	○ 369 lm
WW 3200K Ra93	○ 632 lm	○ 504 lm	○ 336 lm
L30 2700K Ra94	○ 573 lm	○ 457 lm	○ 305 lm
L27 2500K Ra93	○ 561 lm	○ 448 lm	○ 298 lm
L24 2300K Ra93	○ 522 lm	○ 416 lm	○ 278 lm
L21 - -	＊ -	＊ -	＊ -
L19 - -	＊ -	＊ -	＊ -

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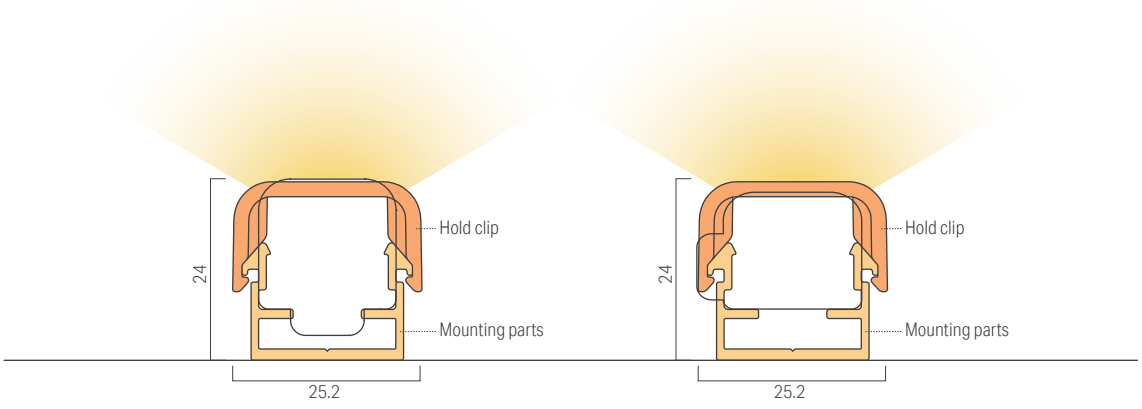
Cross-sectional sizes when mounted

scale=1:1



Luci UQ FLEX α _ Back feed

Luci UQ FLEX α _ Side(Right) feed

Lamp fitting list

Indoor

Strip Light

Product name	Luci Power FLEX EX				
LED pitch	15mm pitch	20mm pitch	30mm pitch (9.5W)	30mm pitch (6.5W)	30mm pitch (4.5W)
Model No. Description page	LFPEX15-1000-＊-CL-I P.46	LFPEX20-1000-＊-CL-I P.46	LFPEX30-1000-＊-CL-I-9 P.46	LFPEX30-1000-＊-CL-I-6 P.46	LFPEX30-1000-＊-CL-I-4 P.46
Custom order	○	○	○	○	○
Max. customised Length	5m	5m	5m	5m	5m
Diffuser Tube	N/A	N/A	N/A	N/A	N/A
Input voltage	DC24V	DC24V	DC24V	DC24V	DC24V
Power consumption	18.2W/m	12.1W/m	9.5W/m	6.5W/m	4.5W/m
Dimension	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm
LED beam angle	120°	120°	120°	120°	120°
Max. length per circuit	5m	5m	5m	5m	5m
Cuttable unit	83.2mm (6 LED)	125mm (6 LED)	166.2mm (6 LED)	166.2mm (6 LED)	166.2mm (6 LED)
Light source color	○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent				
D 6500K	-	-	-	-	-
N 5300K Ra92	＊ 1692lm	＊ 1150lm	＊ 847lm	＊ 536lm	＊ 405lm
W 4200K Ra93	○ 1680lm	○ 1125lm	○ 812lm*	○ 556lm*	○ 388lm*
WW 3500K Ra93	○ 1620lm	○ 1101lm	○ 704lm*	○ 564lm*	○ 337lm*
L30 3000K Ra94	○ 1493lm	○ 1008lm	○ 644lm*	○ 522lm*	○ 308lm*
L27 2700K Ra93	○ 1496lm	○ 1016lm	○ 643lm*	○ 516lm*	○ 307lm*
L24 2400K Ra93	○ 1260lm	○ 856lm	○ 592lm*	○ 494lm*	○ 283lm*
L21 2100K Ra93	＊ 1100lm	＊ 748lm	＊ 550lm	＊ 348lm	＊ 263lm
L19 1900K Ra63	＊ 1405lm	＊ 955lm	＊ 703lm	＊ 445lm	＊ 336lm

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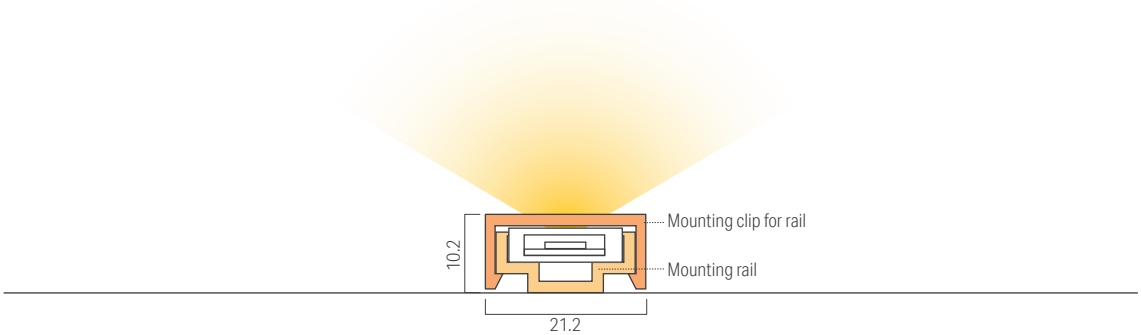
Cross-sectional sizes when mounted

scale=1:1



Luci Power FLEX EX

Indoor

Strip Light

Product name		Luci Power FLEX Spect C				Luci Power FLEX				Renewal Luci Power FLEX THOF		
LED pitch		20mm pitch				15mm pitch			20mm pitch			20mm pitch
Model No. Description page		LFPSC20-1000-∗-CL-I P.56				LFP15-0900-∗-CL-I P.60			LFP20-1000-∗-CL-I P.60			LFPTH20-1000-∗-CL-I P.68
Custom order		—				○			○			—
Max. customised Length		—				4.5m			5m			—
Diffuser Tube		—				○			○			—
Input voltage		DC24V				DC24V			DC24V			DC24V
Power consumption		14.2W/m				15.4W/m			10.5W/m			11W/m(Max)
Dimension		1011x15x4.5mm				911x15x4.5mm			1011x15x4.5mm			1011x15x4.5mm
LED beam angle		120°				120°			120°			120°
Max. length per circuit		5m				4.5m			5m			5m
Cuttable unit		125mm (6 LED)				30mm (2 LED)			40mm (2 LED)			83.2mm (4 LED)
Light source color		○ = Device inventory ∗ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent										
D	7100K	(6500K)	Ra 97	∗	817 lm	Ra 90	∗	875 lm	Ra 90	∗	698 lm	
N	5300K	(5000K)	Ra 97	∗	869 lm	Ra 90	∗	875 lm	Ra 90	∗	639 lm	
W	4200K			-		Ra 90	○	818 lm	Ra 90	○	667 lm	
WW	3500K			-		Ra 90	○	774 lm	Ra 90	○	639 lm	
L30	3000K			-		Ra 90	○	710 lm	Ra 90	○	579 lm	
L27	2700K			-		Ra 90	○	711 lm	Ra 90	○	563 lm	
L24	2400K			-		Ra 90	○	608 lm	Ra 90	○	459 lm	
L21	2100K			-			-			-		
L19	1900K			-		Ra 70	∗	-	Ra 70	∗	512 lm	
B	Blue			-			∗			∗		∗

NL27 5300K~2700K ○
Dimming rate
N 100% L27 0% Ra 89 / 360 lm
N 100% L27 100% Ra 90 / 660 lm
N 0% L27 100% Ra 86 / 326 lm

L30L19 3000K~1900K ○
Dimming rate
L30 100% L19 0% Ra 89 / 322 lm
L30 100% L19 100% Ra 80 / 568 lm
L30 0% L19 100% Ra 65 / 262 lm

Specification may be subject to change without announcement.
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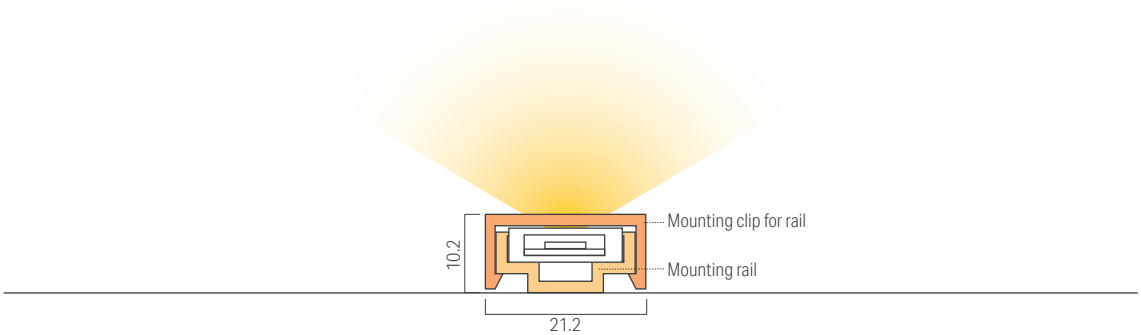
Please use as reference materials for your planning.

Available to choose CCT from 1900K to 5000K and Blue

Cross-sectional sizes when mounted

scale=1:1



Luci Power FLEX Spect C Luci Power FLEX Luci Power FLEX THOF

Lamp fitting list

Indoor

Strip Light

Product name		Luci Flat FLEX F						Luci Power FLEX α			Luci FLEX α F		
LED pitch		10mm pitch			16mm pitch			20mm pitch			10mm pitch		
Model No. Description page		LFTF10-1000-＊-CL-I P.74			LFTF16-1000-＊-CL-I P.74			LFPA20-0960-＊-CL-I P.82			LFXF10-1000-＊-CL-I P.88		
Custom order		○			○			-			○		
Max. customised Length		5m			5m			-			5m		
Diffuser Tube		○			○			-			○		
Input voltage		DC24V			DC24V			DC24V			DC24V		
Power consumption		3.9W/m			2.5W/m			10.4W/m			3.9W/m		
Dimension		1010x9.8x4mm			1010x9.8x4mm			970x13.7x13.4mm			1010x9.8x4mm		
LED beam angle		120°			120°			120°			120°		
Max. length per circuit		5m			5m			5m			5m		
Cuttable unit		62.4mm (6 LED)			100mm (6 LED)			40mm (2 LED)			62.4mm (6 LED)		
Light source color		○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent											
D	7100K	Ra94	＊	324lm	Ra94	＊	-	-	＊	-	Ra74	＊	331lm*
N	5300K	Ra94	＊	329lm*	Ra94	＊	-	Ra90	○	613lm*		-	
W	4200K	Ra90	○	294lm	Ra90	○	-	Ra90	○	640lm*	Ra70	○	330lm*
WW	3500K	Ra90	○	305lm	Ra90	○	-	Ra90	○	613lm*	Ra75	○	281lm*
L30	3000K	Ra90	○	300lm	Ra90	○	187lm*	Ra90	○	555lm*	Ra70	○	302lm
L27	2700K	Ra87	○	282lm	Ra87	○	176lm*	Ra90	○	540lm*	Ra71	○	253lm*
L24	2400K	Ra83	○	229lm*	Ra83	○	143lm*	Ra90	○	440lm*	Ra65	＊	245lm
L21	2100K		-			-			-			-	
L19	1900K		-			-		Ra70	＊	492lm*		-	

Specification may be subject to change without announcement.
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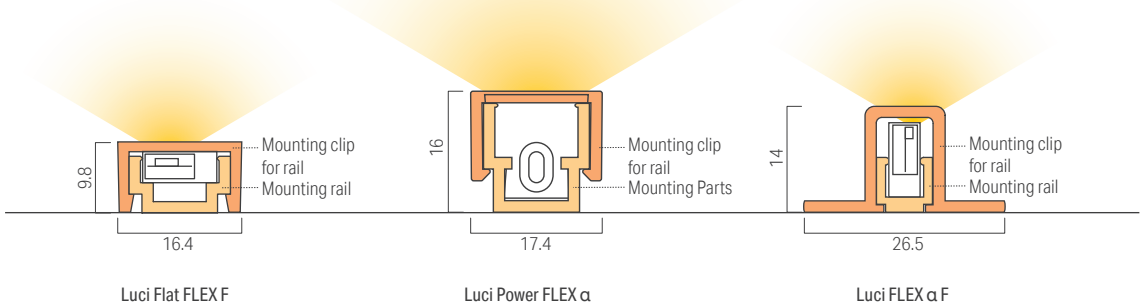
Please use as reference materials for your planning.

Cross-sectional sizes when mounted

scale=1:1



Luci Flat FLEX F | Luci Power FLEX α | Luci FLEX α F

Indoor

Rigid Light

Product name	Renewal Luci Vivoxy Graze	New Luci Vivoxy Graze THOF	Luci RECTA	Renewal Luci THOF®
Model No. Description page	LVV50-1200-＊-SP-I P.96	LVVTH50-1200-NL27-SP-I P.104	LRE-1000-＊-DF-I P.112	LTH-1000-NL27-DF-I P.118
Length Variation	4 types 0300, 0600, 0900, 1200	4 types 0300, 0600, 0900, 1200	3 types 0100, 0500, 1000 *Refer to the product page for actual length.	3 types 0100, 0500, 1000 *Refer to the product page for actual length.
Diffuser Cover	—	—	○	○
Input voltage	Constant Current	Constant Current	DC24V	DC24V
Power consumption	38.9W/m @700mA	38.9W/m @700mA	31.2W/m (Max)	31.2W/m (Max)
Cross section	27x24 mm	27x24 mm	24x39 mm	24x39 mm
LED beam angle	15°x32.5°	15°x32.5°	—	—
Max. length per circuit	2.7m @ 700mA (L22 2.4m @ 700mA)	5.7m @ 700mA	3.3m	4m
Cuttable unit	—	—	—	—

Light source color ○ = Device inventory * = Equivalent

D	7100K			-						-			
N	5300K	(5000K)	Ra90	○	5032lm	NL27 5000K~2700K ○ Dimming rate N100% L270% Ra90/2481lm N100% L27100% Ra92/4386lm N0% L27100% Ra93/1985lm				(5000K)	Ra92	○	2380lm	NL27 5000K~2700K ○ Dimming rate N100% L270% Ra92/1213lm N100% L27100% Ra95/2370lm N0% L27100% Ra94/1096lm
W	4200K	(4000K)	Ra92	○	4977lm					(4000K)	Ra92	○	2380lm	
WW	3500K		Ra92	○	4152lm						Ra93	○	2303lm	
L30	3000K		Ra92	○	4183lm						Ra94	○	2226lm	
L27	2700K		Ra94	○	3912lm						Ra93	○	2150lm	
L24	2400K			-							Ra93	○	1996lm	
L21	2100K	(2200K)	Ra82	○	3208lm							-		
L19	1900K			-								-		

Specification may be subject to change without announcement.
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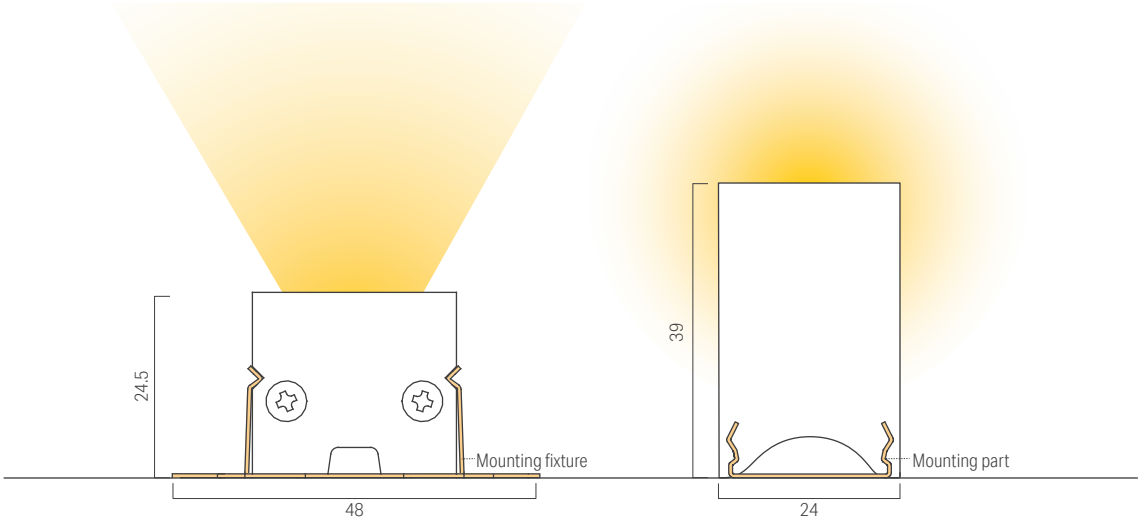
Please use as reference materials for your planning.

Cross-sectional sizes when mounted

scale=1:1



Luci Vivoxy Graze | Luci RECTA | Luci THOF®

Lamp fitting list

Indoor

Rigid Light

Product name	Luci Creide® lens	Luci Creide® F	Luci silux® K (13.1 W/m)	Luci silux® K (8.1 W/m)	Luci silux® K (4.3 W/m)
Model No. Description page	LCEL-1170-∗-DF-I P.124	LCEF-1170-∗-DF-I P.124	LSXK-1008-∗-DF-I-13 P.134	LSXK-1008-∗-DF-I-8 P.134	LSXK-1008-∗-DF-I-4 P.134
Length Variation	6 types 0150, 0300, 0510, 0880, 1170, 1460 *Refer to the product page for actual length.	6 types 0150, 0300, 0510, 0880, 1170, 1460 *Refer to the product page for actual length.	10 types 0074, 0259, 0388, 0509, 0573, 0702, 0823, 1008, 1137, 1451		
Diffuser Cover	○	○	○	○	○
Input voltage	DC24V	DC24V	DC24V	DC24V	DC24V
Power consumption	20.6W/m	20.6W/m	13.1W/m	8.1W/m	4.3W/m
Cross section	17.4x42.5mm	17.4x42.5mm	12x14mm	12x14mm	12x14mm
LED beam angle	—	—	—	—	—
Max. length per circuit	5m	5m	6m	6m	6m
Cuttable unit	—	—	—	—	—

Light source color ○ = Device inventory ∗ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent

D 7100K	-	-	-	-	-
N 5300K	-	-	(5000K) Ra93 ○ 620lm	(5000K) Ra93 ○ 450lm	(5000K) Ra93 ○ 213lm
W 4200K	(4000K) Ra92 ○ 1527lm	(4000K) Ra92 ○ 1565lm	(4000K) Ra94 ○ 620lm	(4000K) Ra94 ○ 450lm	(4000K) Ra94 ○ 213lm
WW 3500K	Ra93 ○ 1477lm	Ra93 ○ 1514lm	Ra94 ○ 594lm	Ra94 ○ 431lm	Ra94 ○ 204lm
L30 3000K	Ra94 ○ 1428lm	Ra94 ○ 1478lm	Ra93 ○ 581lm	Ra93 ○ 421lm	Ra93 ○ 199lm
L27 2700K	Ra93 ○ 1379lm	Ra93 ○ 1399lm	Ra93 ○ 554lm	Ra93 ○ 402lm	Ra93 ○ 190lm
L24 2400K	Ra93 ○ 1280lm	Ra93 ○ 1310lm	Ra94 ○ 515lm	Ra94 ○ 373lm	Ra94 ○ 177lm
L21 2100K	-	-	Ra90 ○ 515lm	Ra90 ○ 351lm	Ra90 ○ 166lm
L19 1900K	-	-	-	-	-

Specification may be subject to change without announcement.
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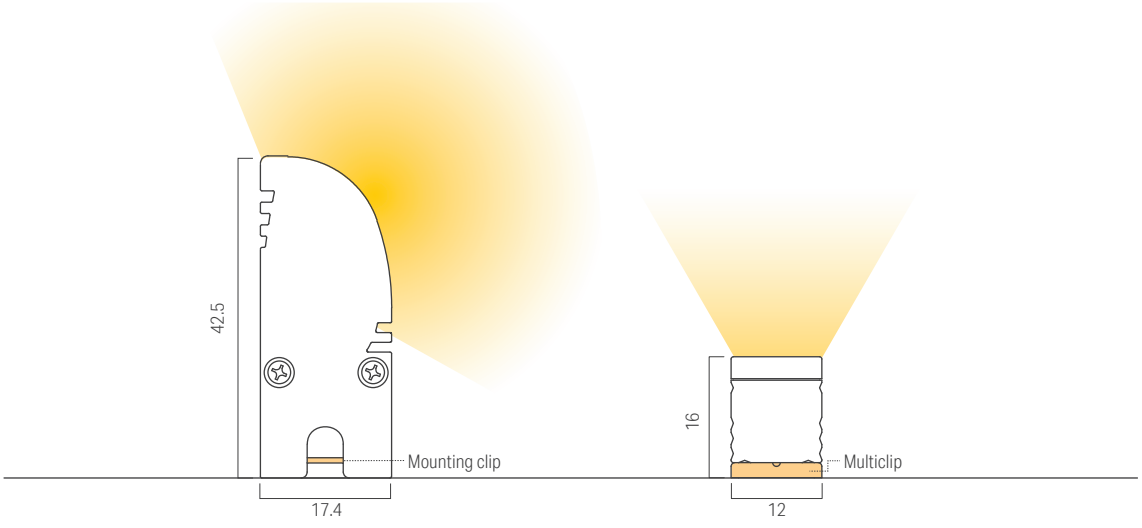
Please use as reference materials for your planning.

Cross-sectional sizes when mounted

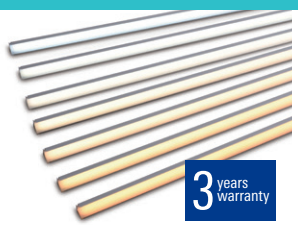
scale=1:1



Luci Creide® lens Luci Creide® F Luci silux® K

Indoor

Rigid Light



Product name	Luci silux® wide K (13.1 W/m)	Luci silux® wide K (8.1 W/m)	Luci silux® wide K (4.3 W/m)	Luci nano line
Model No. Description page	LSXWK-1008-∗-DF-I-13 P.144	LSXWK-1008-∗-DF-I-8 P.144	LSXWK-1008-∗-DF-I-4 P.144	LNL-0984-∗-DF-I P.154
Length Variation	10 types 0074, 0259, 0388, 0509, 0573, 0702, 0823, 1008, 1137, 1451			10 types 0109, 0206, 0303, 0400, 0498, 0595, 0692, 0789, 0886, 0984
Diffuser Cover	○	○	○	○
Input voltage	DC24V	DC24V	DC24V	DC24V
Power consumption	13.1W/m	8.1W/m	4.3W/m	7.2W/m
Cross section	12x18mm	12x18mm	12x18mm	5.5x18.8mm
LED beam angle	—	—	—	—
Max. length per circuit	6m	6m	6m	5m
Cuttable unit	—	—	—	—

Light source color ○ = Device inventory ∗ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent

D	7100K			-					-					-				-	
N	5300K	(5000K)	Ra93	○	811lm	(5000K)	Ra93	○	589lm	(5000K)	Ra93	○	279lm	-		○	-		
W	4200K	(4000K)	Ra94	○	811lm	(4000K)	Ra94	○	589lm	(4000K)	Ra94	○	279lm	Ra92		○	66lm		
WW	3500K		Ra94	○	777lm		Ra94	○	564lm		Ra94	○	267lm	Ra91		○	58lm		
L30	3000K		Ra93	○	759lm		Ra93	○	551lm		Ra93	○	261lm	Ra87		○	65lm		
L27	2700K		Ra93	○	725lm		Ra93	○	526lm		Ra93	○	249lm	Ra87		○	59lm		
L24	2400K		Ra94	○	673lm		Ra94	○	488lm		Ra94	○	231lm	Ra85		○	52lm		
L21	2100K		Ra90	○	-		Ra90	○	426lm		Ra90	○	201lm			-			
L19	1900K			-				-				-				-			

Specification may be subject to change without announcement.
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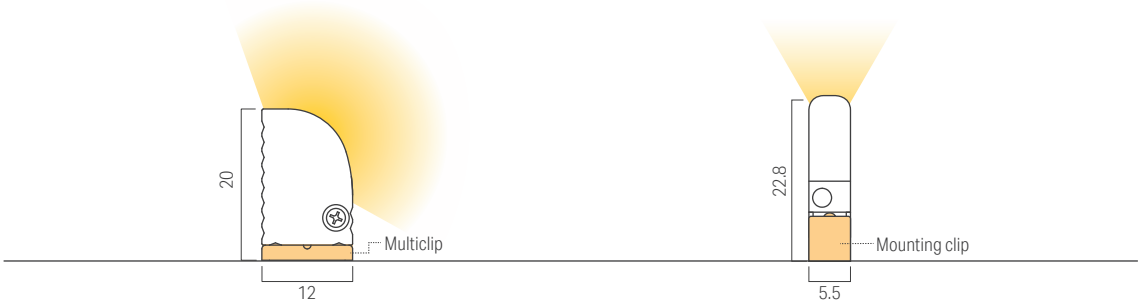
Please use as reference materials for your planning.

Cross-sectional sizes when mounted

scale=1:1



Luci silux® wide K

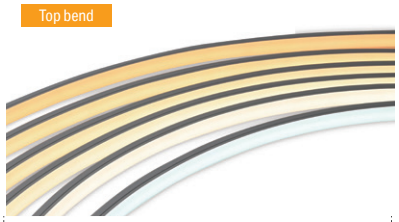
Luci nano line

Lamp fitting list

Outdoor

Strip Light

Top bend



Product name	Renewal Luci UQ FLEX IP67 (15.8W/m)	Renewal Luci UQ FLEX IP67 (12.6W/m)	Renewal Luci UQ FLEX IP67 (8.4W/m)
LED pitch	-	-	-
Model No. Description page	LFU-T＊＊＊-＊-DF-0-15 P.176	LFU-T＊＊＊-＊-DF-0-12 P.176	LFU-T＊＊＊-＊-DF-0-8 P.176
Custom order	○	○	○
Max. customised Length	2m	2m	2m
Diffuser Tube	○	○	○
Input voltage	DC24V	DC24V	DC24V
Power consumption	15.8 W/m	12.6 W/m	8.4 W/m
Dimension	(Length)x16x15mm	(Length)x16x15mm	(Length)x16x15mm
LED beam angle	—	—	—
Max. length per circuit	10m	10m	10m
Cuttable unit	Not available to cut		
Delivered CCT	○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent		
D 6000K Ra92	＊ 937 lm	＊ 747 lm	＊ 498 lm
N - -	＊ -	＊ -	＊ -
W 4000K Ra93	○ 966 lm	○ 770 lm	○ 513 lm
WW 3200K Ra93	○ 865 lm	○ 689 lm	○ 460 lm
L30 2700K Ra94	○ 803 lm	○ 640 lm	○ 427 lm
L27 2500K Ra93	○ 781 lm	○ 623 lm	○ 415 lm
L24 2300K Ra93	○ 730 lm	○ 582 lm	○ 388 lm
L21 - -	＊ -	＊ -	＊ -
L19 - -	＊ -	＊ -	＊ -

Specification may be subject to change without announcement.
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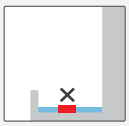
Caution

Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

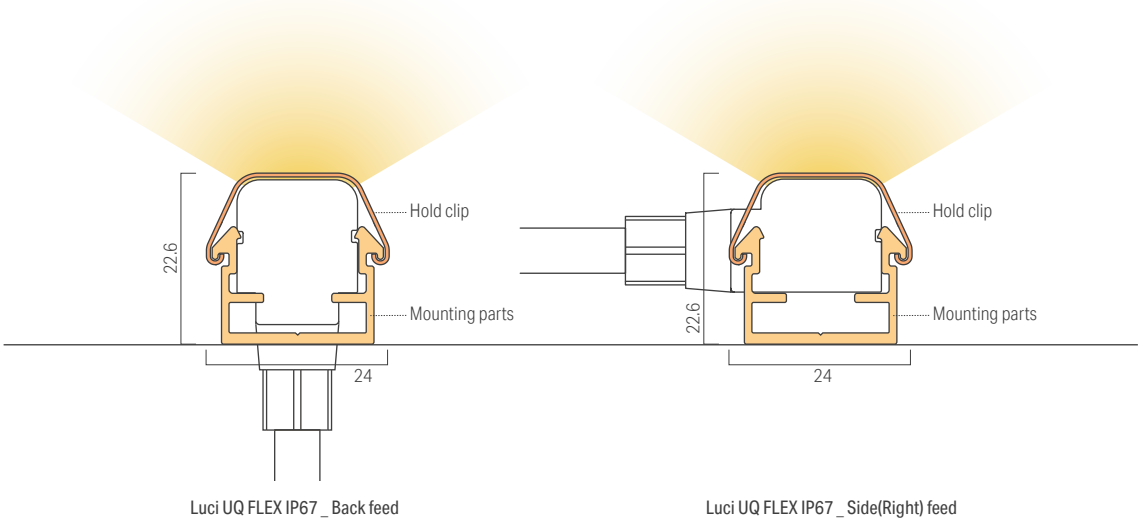
Prohibited installation places

- pooling of water
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



Cross-sectional sizes when mounted

scale=1:1

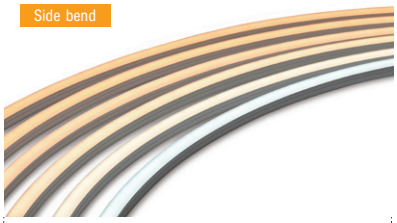


Luci UQ FLEX IP67 _ Back feed

Luci UQ FLEX IP67 _ Side(Right) feed

Outdoor

Strip Light



Product name	New Luci UQ FLEX α IP67 (15.8W/m)	New Luci UQ FLEX α IP67 (12.6W/m)	New Luci UQ FLEX IP67 (8.4W/m)
LED pitch	-	-	-
Model No. Description page	LFUA-T＊＊＊-＊-DF-O-15 P.178	LFUA-T＊＊＊-＊-DF-O-12 P.178	LFUA-T＊＊＊-＊-DF-O-8 P.178
Custom order	○	○	○
Max. customised Length	2m	2m	2m
Diffuser Tube	○	○	○
Input voltage	DC24V	DC24V	DC24V
Power consumption	15.8 W/m	12.6 W/m	8.4 W/m
Dimension	(Length)x16x15mm	(Length)x16x15mm	(Length)x16x15mm
LED beam angle	—	—	—
Max. length per circuit	10m	10m	10m
Cuttable unit	Not available to cut		
Delivered CCT	○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent		
D 6000K Ra92	＊ 656lm	＊ 523lm	＊ 349lm
N - -	＊ -	＊ -	＊ -
W 4000K Ra93	○ 666lm	○ 531lm	○ 354lm
WW 3200K Ra93	○ 603lm	○ 481lm	○ 320lm
L30 2700K Ra94	○ 592lm	○ 472lm	○ 315lm
L27 2500K Ra93	○ 547lm	○ 436lm	○ 291lm
L24 2300K Ra93	○ 514lm	○ 410lm	○ 273lm
L21 - -	＊ -	＊ -	＊ -
L19 - -	＊ -	＊ -	＊ -

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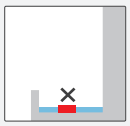
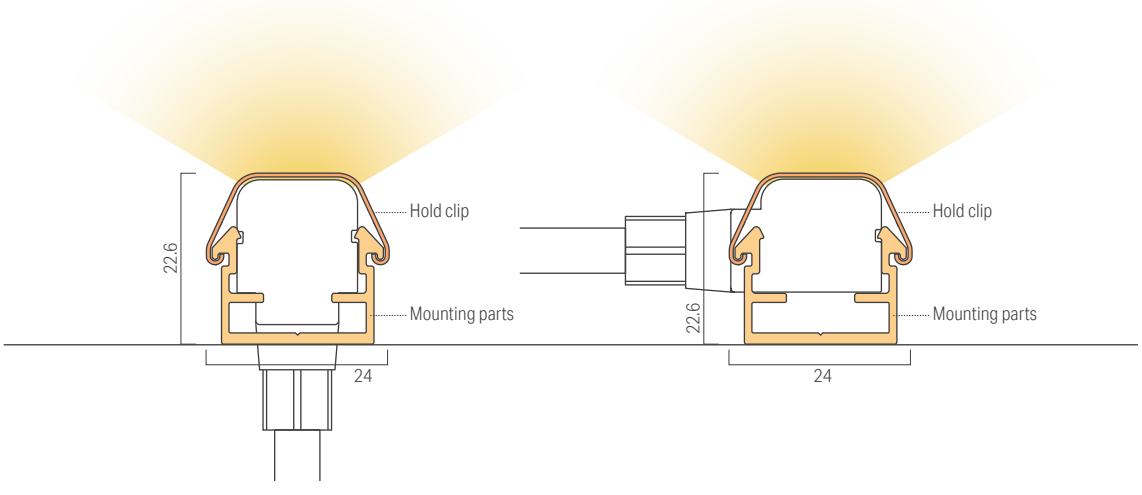
Please use as reference materials for your planning.

Caution	Prohibited installation places
Do not cut the LED fixture and the lead wire of outdoor product at a job site. Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.	- pooling of water - liquids including chroline or chemicals - high temperature and high humidity such as saunas - coastal areas which are affected by sea spray



Cross-sectional sizes when mounted

scale=1:1



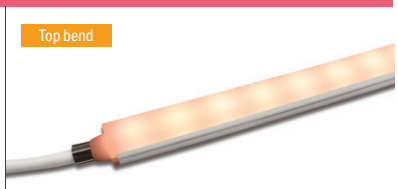
Luci UQ FLEX α IP67 _ Back feed

Luci UQ FLEX α IP67 _ Side(Right) feed

Lamp fitting list

Outdoor

Strip Light



		New Luci Vivoxy FLEX IP67 (24 W/m)				New Luci Vivoxy FLEX IP67 (16 W/m)				New Luci UQ FLEX Sauna		
Product name												
LED pitch		-				-				-		
Model No. Description page		LVF40-1000＊-＊-＊＊-0-24-＊ P.162				LVF40-1000＊-＊-＊＊-0-16-＊ P.162				LFUS-T＊＊＊-＊-DF-0 P.170		
Custom order		○				○				○		
Max. customised Length		2m				2m						
Diffuser Tube		○				○				○		
Input voltage		DC24V				DC24V				DC24V		
Power consumption		24 W/m				16 W/m				5.1 W/m		
Dimension		*x27x33mm				*x27x33mm				*x16x15mm		
LED beam angle		22°×35°, 35°, 50°				22°×35°, 35°, 50°				—		
Max. length per circuit		5m				5m				5m		
Cuttable unit		Not available to cut										
Light source color		○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent										
D	6500K		Ra 85	○	1844 lm		Ra 85	○	1230 lm	-		
N	5000K		Ra 84	○	1970 lm		Ra 84	○	1314 lm	-		
W	4000K		Ra 94	○	1587 lm		Ra 94	○	1059 lm	-		
WW	3500K		Ra 82	○	1880 lm		Ra 82	○	1253 lm	-		
L30	3000K		Ra 92	○	1614 lm		Ra 92	○	1076 lm	-		
L27	2700K		Ra 93	○	1605 lm		Ra 93	○	1071 lm	Ra83	○	234 lm*
L24	2400K			-				-		-		
L21	2100K	(L22 2200K)	Ra 81	○	1563 lm	(L22 2200K)	Ra 81	○	1042 lm	-		
L19	1900K			-				-		-		

Specification may be subject to change without announcement.
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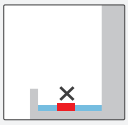
Please use as reference materials for your planning.

Caution

Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

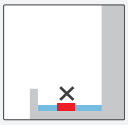
Prohibited installation places

- pooling of water
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



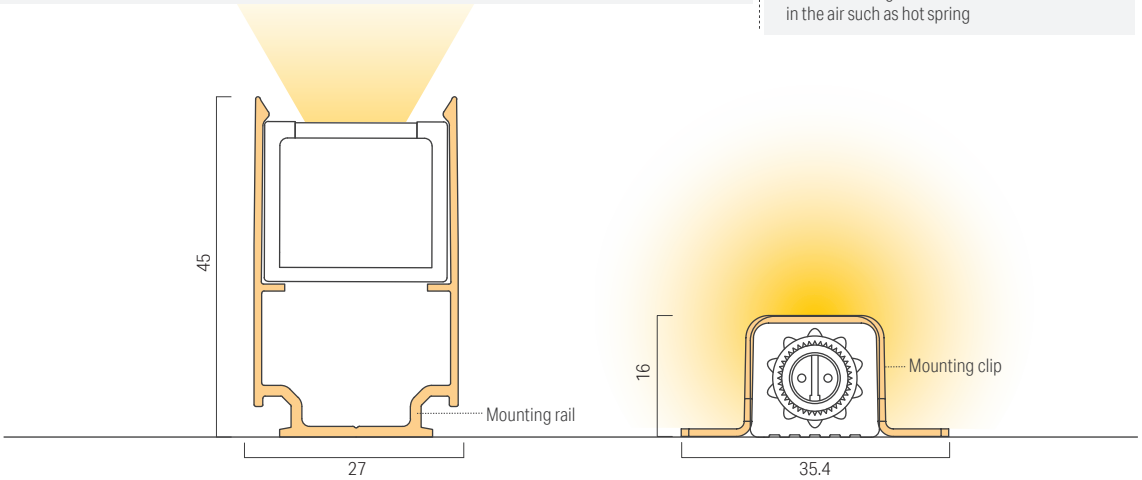
Prohibited installation places

- pooling water
- liquids including chlorine or chemicals
- coastal areas which are affected by sea spray
- where sulfide gas is contained in the air such as hot spring



Cross-sectional sizes when mounted

scale=1:1



Luci Vivoxy FLEX IP67

Luci UQ FLEX Sauna IP67

Outdoor

Strip Light

Product name	Luci Power FLEX EX IP65				
LED pitch	15mm pitch	20mm pitch	30mm pitch (9.5W)	30mm pitch (6.5W)	30mm pitch (4.5W)
Model No. Description page	LFPEX15-1000-＊-CL-O P.190	LFPEX20-1000-＊-CL-O P.190	LFPEX30-1000-＊-CL-O-9 P.190	LFPEX30-1000-＊-CL-O-6 P.190	LFPEX30-1000-＊-CL-O-4 P.190
Custom order	○	○	○	○	○
Max. customised Length	3.5m	5m	5m	5m	5m
Diffuser Tube	N/A	N/A	N/A	N/A	N/A
Input voltage	DC24V	DC24V	DC24V	DC24V	DC24V
Power consumption	18.2W/m	12.1W/m	9.5W/m	6.5W/m	4.5W/m
Dimension	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm
LED beam angle	120°	120°	120°	120°	120°
Max. length per circuit	3.5m	5m	5m	5m	5m
Cuttable unit	Not available to cut				
Light source color	○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent				
D 6500K	-	-	-	-	-
N 5300K Ra92	＊ 1692lm	＊ 1150lm	＊ 847lm	＊ 536lm	＊ 405lm
W 4200K Ra93	○ 1680lm	○ 1125lm	○ 812lm*	○ 556lm*	○ 388lm*
WW 3500K Ra93	○ 1620lm	○ 1101lm	○ 704lm*	○ 564lm*	○ 337lm*
L30 3000K Ra94	○ 1493lm	○ 1008lm	○ 644lm*	○ 522lm*	○ 308lm*
L27 2700K Ra93	○ 1496lm	○ 1016lm	○ 643lm*	○ 516lm*	○ 307lm*
L24 2400K Ra93	○ 1260lm	○ 856lm	○ 592lm*	○ 494lm*	○ 283lm*
L21 2100K Ra93	＊ 1100lm	＊ 748lm	＊ 550lm	＊ 348lm	＊ 263lm
L19 1900K Ra63	＊ 1405lm	＊ 955lm	＊ 703lm	＊ 445lm	＊ 336lm

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed.
Please use as reference materials for your planning.

Caution

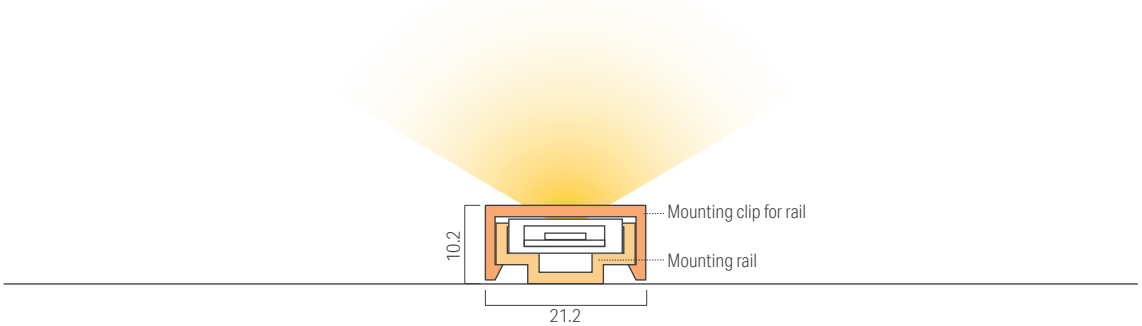
Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Prohibited installation places

- Direct exposed to water / pooling of water
- Direct sunlight
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Cross-sectional sizes when mounted

scale=1:1



Luci Power FLEX EX IP65

Lamp fitting list

Outdoor

Strip Light

Product name		Luci Power FLEX IP65						Luci Flat FLEX F IP65						Luci FLEX α F IP65		
LED pitch		15mm pitch			20mm pitch			10mm pitch			16mm pitch			10mm pitch		
Model No. Description page		LFP15-0900-＊-CL-O P.196			LFP20-1000-＊-CL-O P.196			LFTF10-1000-＊-CL-O P.202			LFTF16-1000-＊-CL-O P.202			LFXF10-1000-＊-CL-O P.208		
Custom order		○			○			○			○			○		
Max. customised Length		4.5m			5m			5m			5m			5m		
Diffuser Tube		○			○			○			○			○		
Input voltage		DC24V			DC24V			DC24V			DC24V			DC24V		
Power consumption		15.4W/m			10.5W/m			3.9W/m			2.5W/m			3.9W/m		
Dimension		911x15x4.5mm			1011x15x4.5mm			1010x9.8x4mm			1010x9.8x4mm			1010x9.8x4mm		
LED beam angle		120°			120°			120°			120°			120°		
Max. length per circuit		4.5m			5m			5m			5m			5m		
Cuttable unit		Not available to cut														
Light source color		○ = Device inventory ＊ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent														
D	7100K	Ra 90	＊	875 lm	Ra 90	＊	698 lm	Ra 94	＊	324 lm	Ra 94	＊	-	Ra 74	＊	331 lm*
N	5300K	Ra 90	＊	875 lm	Ra 90	＊	639 lm	Ra 94	○	329 lm*	Ra 94	○	-		-	
W	4200K	Ra 90	○	818 lm	Ra 90	○	667 lm	Ra 90	○	294 lm	Ra 90	○	-	Ra 70	○	330 lm*
WW	3500K	Ra 90	○	774 lm	Ra 90	○	639 lm	Ra 90	○	305 lm	Ra 90	○	-	Ra 75	○	281 lm*
L30	3000K	Ra 90	○	710 lm	Ra 90	○	579 lm	Ra 90	○	300 lm	Ra 90	○	187 lm*	Ra 70	○	302 lm
L27	2700K	Ra 90	○	711 lm	Ra 90	○	563 lm	Ra 87	○	282 lm	Ra 87	○	176 lm*	Ra 71	○	253 lm*
L24	2400K	Ra 90	○	608 lm	Ra 90	○	459 lm	Ra 83	○	229 lm*	Ra 83	○	143 lm*	Ra 65	＊	245 lm
L21	2100K	-	-	-	-	＊	-		-			-			-	
L19	1900K	-	＊	-	-	＊	-		-			-			-	
B	Blue	-	＊	-	-	＊	-		-			-			-	

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed.
Please use as reference materials for your planning.

Caution

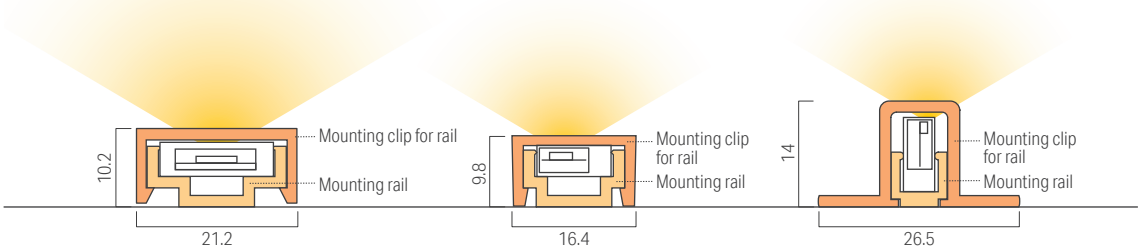
Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Prohibited installation places

- direct expose to water / pooling of water
- direct sunlight
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Cross-sectional sizes when mounted

scale=1:1



Luci Power FLEX IP65 | Luci Flat FLEX F IP65 | Luci FLEX α F IP65

Outdoor

Rigid Light

Product name	Luci EFRO IP65	Power LEDs Line IP65	LEDs Bar IP65	LEDs Line IP67
Model No. Description page	LRO-1142- ∗ -DF-IW P.214	L-ELA9K2-096 ∗ ∗ ∗ -24C-P P.222	L-ELS7K1-098 ∗ ∗ ∗ -24 P.228	L-ELR9K2-098 ∗ ∗ ∗ -M-24 P.234
Length Variation	5 types 0162, 0302, 0582, 0862, 1142	12 types 012, 024, 036, 048, 060, 072, 084, 096, 108, 120, 132, 144 *Refer to the product page for actual length.	12 types 014, 026, 038, 050, 062, 074, 086, 098, 110, 122, 134, 146 *Refer to the product page for actual length.	12 types 014, 026, 038, 050, 062, 074, 086, 098, 110, 122, 134, 146 *Refer to the product page for actual length.
Diffuser Cover	○	N/A	○	○
Input voltage	DC24V	DC24V	DC24V	DC24V
Power consumption	8.4W/m	19.2 W/965mm	7.7 W/983mm	7.7 W/980mm
Cross section	24.6x28.3mm	35x22mm	13.2x13.6mm	14.6x13.8mm
LED beam angle	—	—	—	—
Max. length per circuit	4.5 m	9m	9m	9m
Cuttable unit	—	—	—	—
Light source color	○ = Device inventory * = Equivalent			
D 7100K	-	-	-	-
N 5300K	-	-	-	-
W 4200K	(4000K) Ra94 ○ 802lm	(4000K) Ra83 ○ 1820lm	(4000K) Ra82 ○ 850lm	(4000K) Ra83 ○ 960lm
WW 3500K	Ra94 ○ 862lm	Ra83 ○ 1820lm	Ra82 ○ 810lm	Ra83 ○ 960lm
L30 3000K	Ra93 ○ 688lm	Ra83 ○ 1820lm	Ra82 ○ 790lm	Ra83 ○ 960lm
L27 2700K	Ra93 ○ 697lm	Ra83 ○ 1760lm	Ra82 ○ 780lm	Ra83 ○ 930lm
L24 2400K	Ra94 ○ 662lm	-	-	-
L21 2100K	-	-	-	-
L19 1900K	-	-	-	-

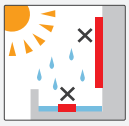
Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed.
Please use as reference materials for your planning.

Caution

Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Prohibited installation places

- direct expose to water / pooling of water
- direct sunlight
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

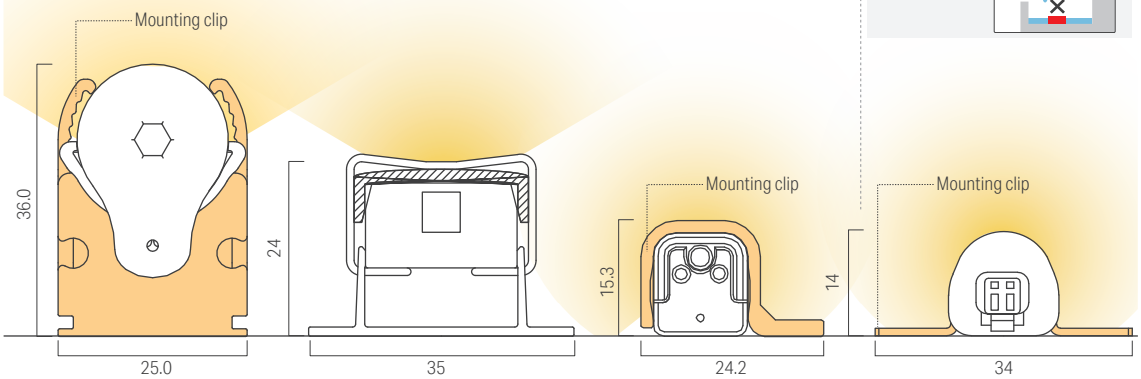


Prohibited installation places

- direct expose to water / pooling of water
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Cross-sectional sizes when mounted

scale=1:1



Luci EFRO IP65 | Power LEDs Line IP65 | LEDs Bar IP65 | LEDs Line IP67

Product size & Brightness

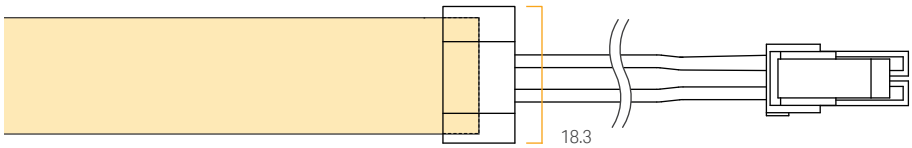
Indoor Strip Light

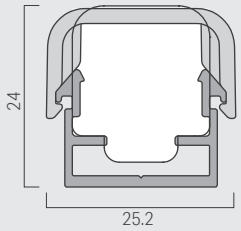
All of these data belong to L27.

Top bend

Luci UQ FLEX Indoor P.32 New

774 lm/m | Ra 94 | 15.8 w/m | D* | N* | W | WW | L30 | L27 | L24 | L21* | L19*



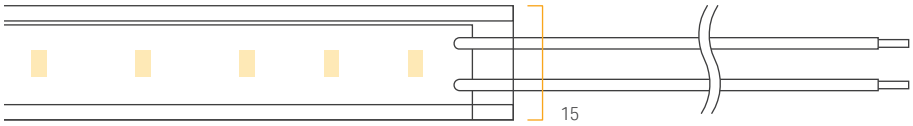


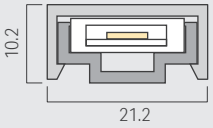
Luci Power FLEX EX 15mm pitch Indoor P.46

1496 lm/m | Ra 93 | 18.2 w/m | N* | W | WW | L30 | L27 | L24 | L21* | L19*

Luci Power FLEX Spect C 20mm pitch Indoor P.56

- lm/m | Ra 97 | 14.2 w/m | D* | N*





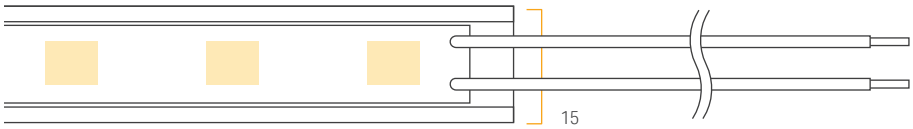
Luci Power FLEX 15mm pitch Indoor P.60

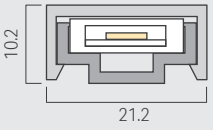
790 lm/m | Ra 90 | 15.4 w/m | D* | N* | W | WW | L30 | L27 | L24 | L19* | B*

Luci Power FLEX THOF Indoor P.68 Renewal

326 lm/m | Ra 86 | 11 w/m | NL27 | L30L19 | Choice of N-L19 Blue

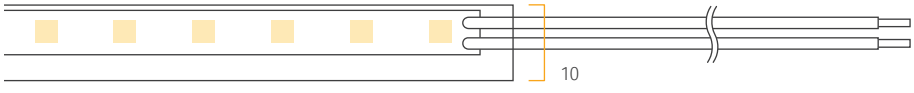
(NL27 N:0% L27:100%)

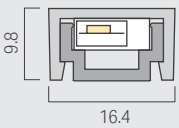




Luci Flat FLEX F 10mm pitch Indoor P.74

282 lm/m | Ra 87 | 3.9 w/m | D* | N* | W* | WW* | L30 | L27 | L24





Indoor **Strip Light**

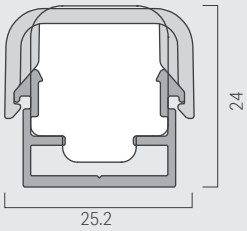
All of these data belong to L27.

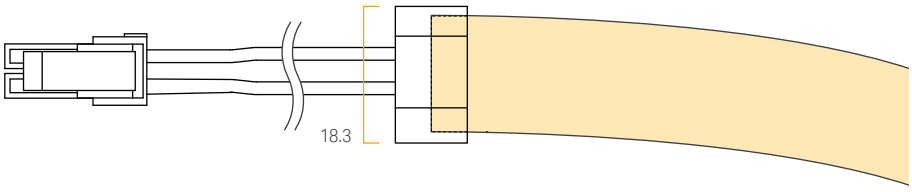
Side bend

Luci UQ FLEX α P.32 New

573 lm/m | Ra 90 | 15.8 w/m

D* N* W WW L30 L27 L24 L21* L19*

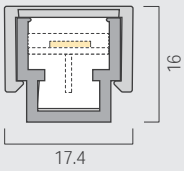


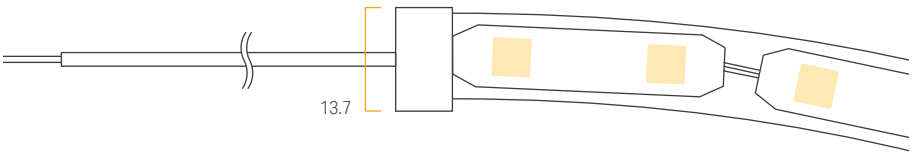


Luci Power FLEX α 20mm pitch Indoor P.82

540 lm/m | Ra 90 | 10.4 w/m

D* N W WW L30 L27 L24 L19*

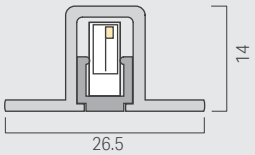




Luci FLEX α F 10mm pitch Indoor P.88

252 lm/m | Ra 71 | 3.9 w/m

D* W WW* L30 L27 L24*



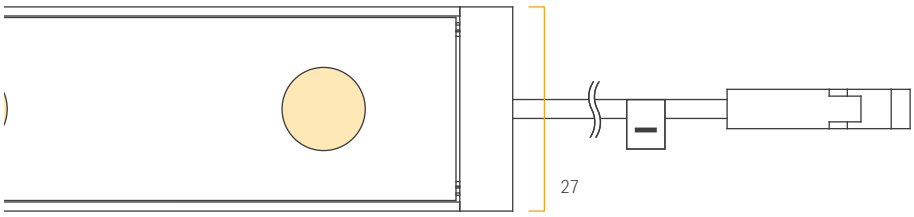
Product size & Brightness

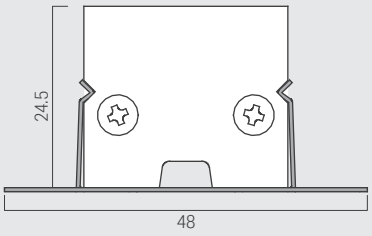
Indoor | Rigid Light

All of these data belong to L27.

Luci Vivoxy Graze Indoor P.96 Renewal

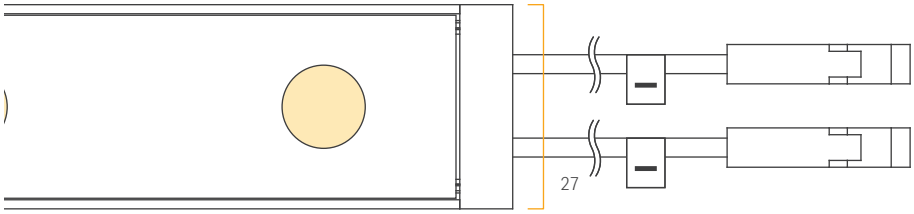
3268 lm/m (700mA) | Ra 94 | 38.9 w/m | N | W | WW | L30 | L27 | L22

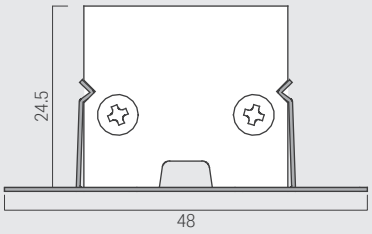




Luci Vivoxy Graze THOF® Indoor P.104 New

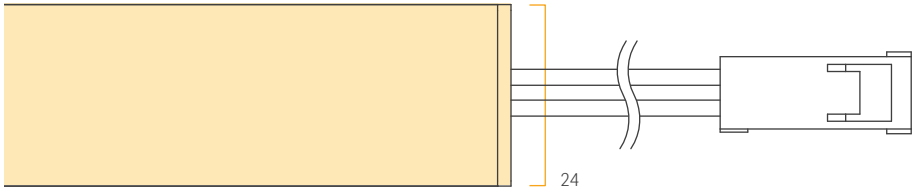
3655 lm/m (700mA N 100%, L27 100%) | Ra 92 | 38.9 w/m | NL27 | Choice N ⇄ L27

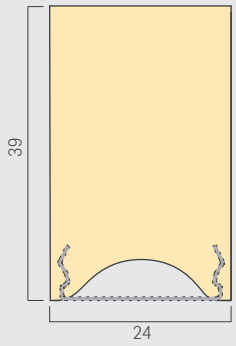




Luci RECTA P.112

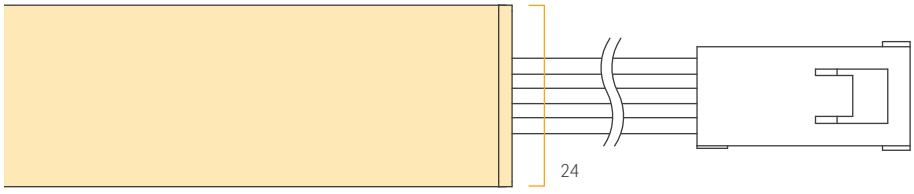
2150 lm/m | Ra 93 | 31.2 w/m | N | W | WW | L30 | L27 | L24

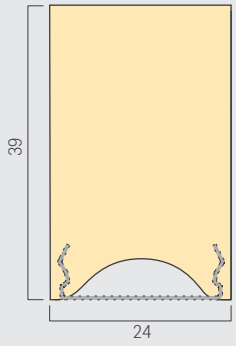




Luci THOF® P.118 Renewal

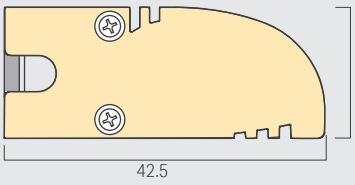
1096 lm/m (NL27 N:0% L27:100%) | Ra 94 | 31.2 w/m (Max) | NL27 | Choice N - L24





Indoor | Rigid Light

All of these data belong to L27.

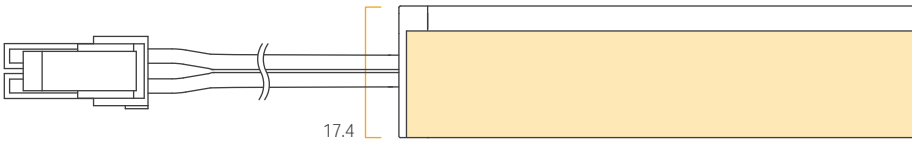


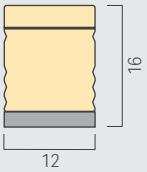
Luci Creide® lens P.124

1178lm/m | Ra 93 | 20.6 w/m | W | WW | L30 | L27 | L24

Luci Creide® F P.124

1195 lm/m | Ra 93 | 20.6 w/m | W | WW | L30 | L27 | L24



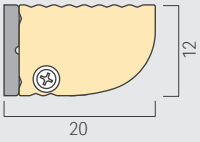


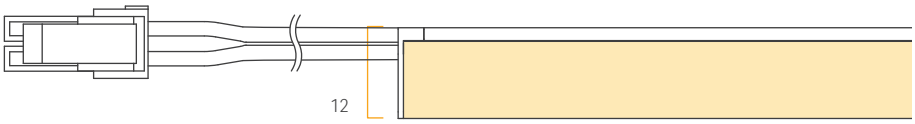
Luci silux® K P.134

549 lm/m | Ra 93 | 13.1 w/m | N | W | WW | L30 | L27 | L24 | L21

Luci silux® wide K P.144

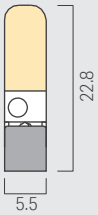
719 lm/m | Ra 93 | 13.1 w/m | N | W | WW | L30 | L27 | L24 | L21





Luci nano line P.154

59 lm/m | Ra 87 | 7.2 w/m | N | W | WW | L30 | L27 | L24



Product size & Brightness

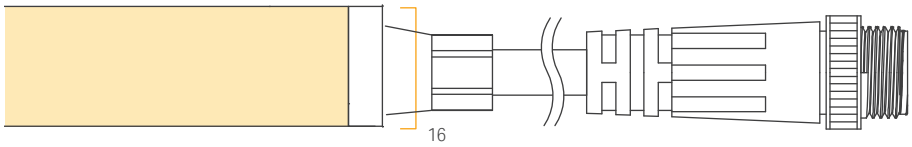
Outdoor | **Strip Light**

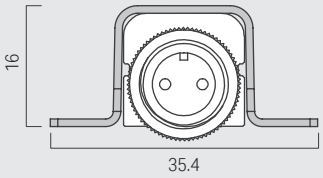
All of these data belong to L27.

Top bend

Luci UQ FLEX Sauna IP67 P.170 New

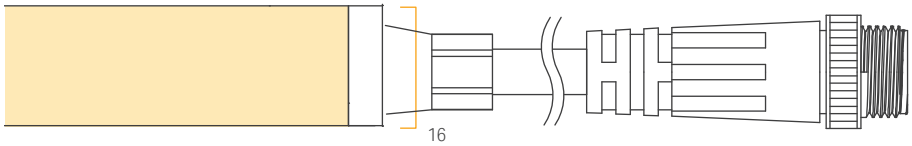
234 lm/m | Ra 83 | 5.1 w/m | L27

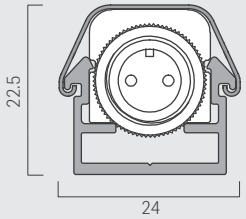




Luci UQ FLEX IP67 P.176 Renewal

803 lm/m | Ra 94 | 15.8 w/m | D | N* | W | WW | L30 | L27 | L24 | L21* | L19*





Outdoor **Strip Light**

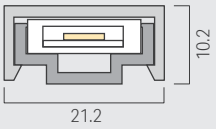
All of these data belong to L27.

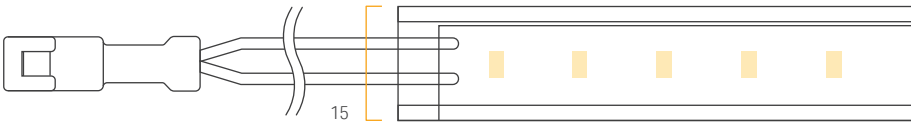
Top bend

Luci Power FLEX EX 15mm pitch IP65 P.190

1496 lm/m | Ra 93 | 18.2 w/m

N* | W | WW | L30 | L27 | L24 | L21* | L19*

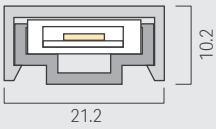


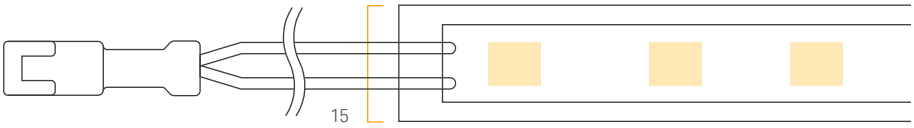


Luci Power FLEX 15mm pitch IP65 P.196

790 lm/m | Ra 90 | 15.4 w/m

D* | N* | W | WW | L30 | L27 | L24 | L19* | B*

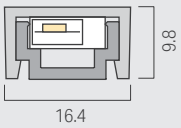


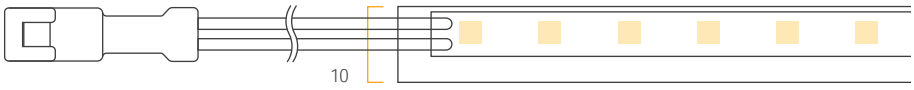


Luci Flat FLEX F 10mm pitch IP65 P.202

282 lm/m | Ra 87 | 3.9 w/m

D* | N* | W* | WW* | L30 | L27 | L24





Product size & Brightness

Outdoor | **Strip Light**

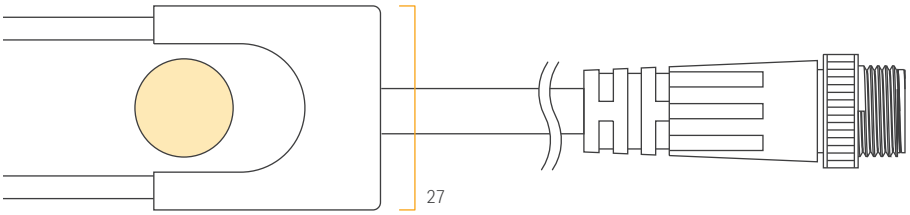
All of these data belong to L27.

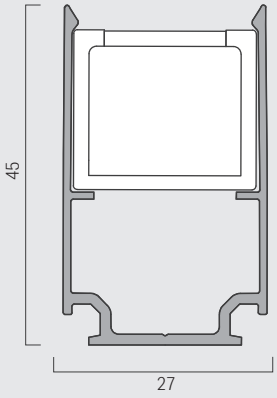
Side bend

Luci Vivoxy FLEX IP67 P.162 New

1605 lm/m | Ra 93 | 66.9 w/m

D | N | W | WW | L30 | L27 | L24 | L22

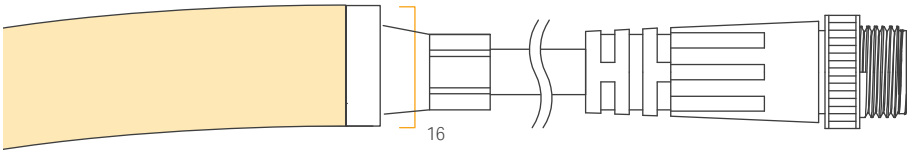


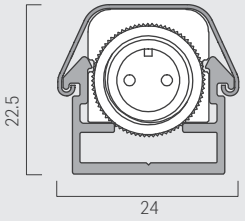


Luci UQ FLEX α IP67 P.176 New

592 lm/m | Ra 90 | 15.8 w/m

D* | N* | W | WW | L30 | L27 | L24 | L21* | L19*

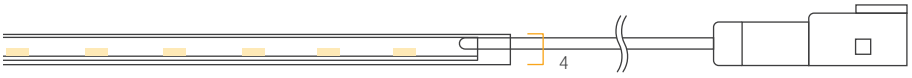


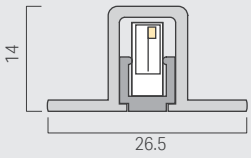


Luci FLEX α F 10mm pitch IP65 P.208

252 lm/m | Ra 71 | 3.9 w/m

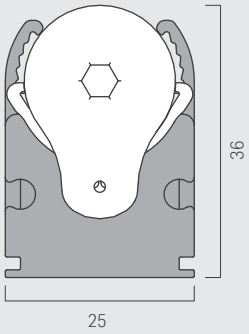
D* | W | WW* | L30 | L27 | L24*





Outdoor | **Rigid Light**

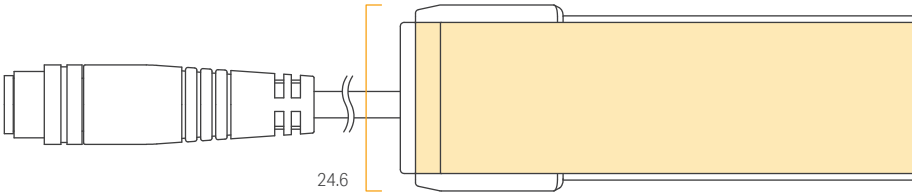
All of these data belong to L27.

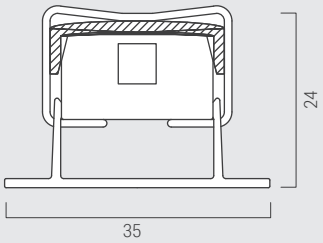


Luci EFRO IP65 P.214

606 lm/m | Ra 93 | 8.4 w/m

W | WW | L30 | L27 | L24

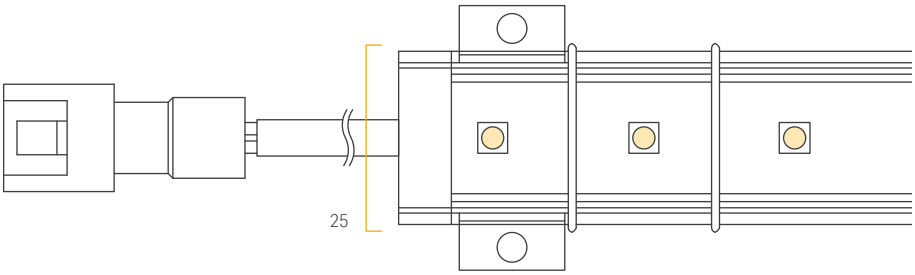




Power LEDs Line IP65 P.222

1575 lm/m | Ra 83 | 19.8 w/m

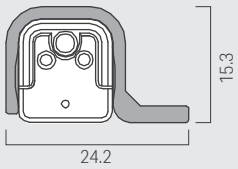
W | WW | L30 | L27

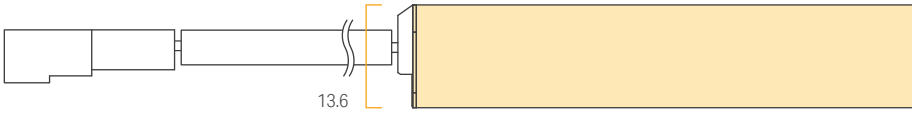


LEDs Bar IP65 P.228

780 lm/m | Ra 82 | 7.8 w/m

W | WW | L30 | L27

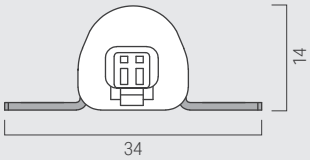


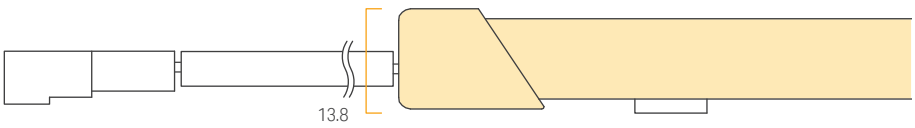


LEDs Line IP67 P.234

930 lm/m | Ra 83 | 7.8 w/m

W | WW | L30 | L27





Application

The stated luminous flux values are at 2700 K and 1 m.

A Direct view for facade, indirect light for high rise building

Directly expose light with the straight or curved installation. The random layout can make a futuristic design and install along the shape of the building can emphasise the shape of the building. It is necessary to consider the weather resistance and UV resistance of the LED fixture. IP67 products are suggested to use.

- **Luci UQ FLEX IP67** 15.8W 781lm | 12.6W 623lm | 8.4W 415lm P.176

  Dot-free flexible linear light with min. bending R150mm. Highly customizable which is up to 2m. Original silicone material with high weather resistance is used, and it is less deteriorated by UV.
  Newly available side bend in addition to top bend.

B Under canopy, indirect light for low rise building

Appropriate brightness as well as warm glow without dot to welcome customers. For indirect lighting of glass surfaces and shiny wall materials, dot-free LED fixtures are recommended. IP65 lighting fixture can be used on areas where there are no pooling of water and no direct sunlight.

- **Luci EFRO IP65** 8.4W 610 lm P.214

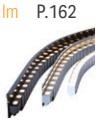
  Ideal for large installation space. Can bring the indirect lighting of soft and smooth effect by the circular cross-section lighting.

- **LEDs Bar IP65** 7.7 W | 780lm P.228

  Ideal for small installation space. Light spreads beautifully with three sided light emission.

- **Luci Vivoxy FLEX IP67** 24W 1605lm | 16W 1071lm P.162

  With the choice of 35, 50 lens, this is suitable for canopy and entrance lighting. wattage up to 24W/m powerful enough to accentuate main entrances. Available with glare cut shield or glare cut silicone



C Grazing light for facade (upward / downward)

Illuminate the outdoor wall surface upwards or downwards to make eye-catching facade. To get gradual stretch of the light, using fixture with narrow beam angle is recommended. It is necessary to consider to making water drains to aviod LED fixtures submerged.

- **Luci Vivoxy FLEX IP67** 24W 1605lm | 16W 1071lm P.162

  With 22*35 spread lens, beautiful graze lighting. Suitable for curved facade or organic shape buildings as it is bendable. For high foot traffic area, glare cut shield is also available.

- **Power LEDs line IP65 (for downward)** 19.2W 1570lm P.222

  Since it has compact cross-section, it is ideal for the facade wall of a roadside shop where installation space is small. Because of the extrusion lens, unexpected scalloped pattern hardly comes out even if the distance from the wall is short.

D Light box

Surface Light from diffused glass or stretching sheet needs to have appropriate distance of the depth and place lighting at an equal pitch, which creates less unevenness flat light.

- **Luci Power FLEX EX series IP65** P.190

  18.2W 1450lm | 12.1W 1020lm | 9.5W 700lm | 6.5W 520lm | 4.5W 370lm

  High efficient, MacAdam 3steps, suitable for lightsource of surface lighting. Various brightness, power consumption and LED pitching provide wide selection depending on installation area. For making uniform light surface, at least 100mm depth is required.

- **Luci Flat FLEX F series IP65** 3.9W 280lm | 2.5W 180lm P.202

  When making the line of a recessed light, the minimum depth may be required. Flat FLEX has 10mm pitch and 16mm pitch of LED package gap so that can make the box at least 30mm depth.

E Handrail, steps and stairs

Light installed inside a handrail to illuminate walkway and baluster. Side bend flexible light is suitable for a curved area. Stairs require various lengths and mounting parts to prevent fixtures from falling.

- **Luci FLEX α F IP65** 3.9W 250lm P.208
  Only 14 x 18.5mm dimension size including mounting rail and clip is ideal for under the edge of steps. Custom length is available every 62.4mm up to 5m.

F Under bench

Enhance the texture of the reflected tile and stones for night landscape.

- **Luci EFRO IP65** 8.4W 610 lm P.214
  700lm/m which is appropriate brightness for landscape. High CRI is good for real color of tile and stone material.

- **Luci Flat FLEX F series IP65** 3.9W 280lm | 2.5W 180lm P.202
  2.5W/m or 3.9W/m could be chosen which is ideal for landscape lighting where is not necessary for high brightness..

- **Luci UQ FLEX α IP67** 15.8W 547lm | 12.6W 436lm | 8.4W 291lm P.176
  Side bend dot-free flexible linear light with min. bending R150mm. Up to 10m per run, ideal for restricted driver installation locations.

G Sauna Lighting

Lighting for saunas must withstand high temperatures and humidity and require less frequent maintenance.

- **Luci UQ FLEX Sauna** 5.1W 234lm P.170
  Withstand up to 100°C and 95% humidity, suitable for traditional, infrared and steam sauna. Customizable in length from 250mm to 5M. Avairable color is only 2700K.

H Bathroom cove, cornice, grazing light

Steam-proof is required for everyday bathroom use. The cove and grazing lighting are suitable for bathroom enhancing relaxing effect. Downward installation with a narrow beam angle highlights the texture of wall-surface and get the feeling of brightness without downlight.

- **Luci EFRO IP65** 8.4W 610 lm P.214
  Steam proof by both-end gasket and integrated fuse guarantee safety. Bright enough for bathroom indirect lighting.

- **Power LEDs line IP65** 15.4W 1570lm P.222
  Powerful 1500lm light and choice of extrusion lens provide ideal grazing light for bathroom.

I Mirror light, vanity light

When doing make-up in front of a mirror, lighting from an appropriate position is required. It is recommended to light both sides of the mirror, as the downlight alone will cast shadows on the face. It is good to light up the whole space by shining light from under the mirror or under the counter.

- **Luci EFRO IP65** 8.4W 610 lm P.214
  No glare with fully diffused fixture,using High CRI LED which is over 90. Refined design with aluminium rail which can conceal the cables.

- **Luci UQ FLEX IP67** 15.8W 781lm | 12.6W 623lm | 8.4W 415lm P.176
  For curve mirror light or indirect light on reflected surface, fully dot less and bendable UQ FLEX is recommended. The wattage can be chosen from 15W/m, 12W/m or 8W/m.

Application

A Wall grazing, curtain box

Lighting walls evenly to make space brighter and brings out wall texture.

- **Luci Vivoxy Graze Indoor** 39W 3268lm | 28W 2447lm | 19W 1759 lm P.96
  Ideal for a pattern panel wall and high ceiling wall. Beam angle of 15° x 32° enhances the texture of the wall surface. By using an adjustable clip, you can adjust the angle to which the maximized spreading of light.

- **Luci Creide lens** 20.6W 1180lm P.124
  There is an extrusion lens in the diffuse cover, it will not be glaring even if you see it directly. Since the thickness of the fixture is 17.4mm, it is suitable for places with small installation dimensions such as curtain boxes.

B Cove / cornice light

To show the higher ceiling and get even light in the space, a linear light is being hidden into a ledge on the ceiling or wall. It is important to make a line of light continuously, choose seamless LED fixture and get enough space to hide the fixture and to do maintenance.

- **Luci Creide F** 20.6W 1190lm P.124
  Dot-free, high enough lumen output with good appearance for direct lighting or cove lighitng.

- **Luci Power FLEX EX series** P.46
  18.2W 1450lm | 12.1W 1020lm | 9.5W 700lm | 6.5W 520lm | 4.5W 370lm
  High efficient, MacAdam 3steps, suitable for curved cove or cornice as well. Various brightness, power consumption and LED pitching provide wide selection depending on the installation area. Using 45° rail can spread light to furthermore.

- **Luci UQ FLEX Indoor series** P.32
  Top bend) 15.8W 781lm | 12.6W 623lm | 6.4W 415lm
  Dot less flexible and cuttable on site. Both top bend and side bend are the same 16mm × 15 mm squarish shape, suitable for cove lighting with glossy finish on ceiling.

C Recessed line

Recessed line light in walls expands the possibilities of space design.

- **Luci nano Line** 7.2W 59lm P.154
  nano line with ultra fine line light of 5.5mm width gives a sharp impression of space. Magnet installation parts can be used for where the maintenance is difficult.

- **Luci silux K** 13.3W 550lm | 8.1W 400lm | 4.3W 190lm P.134
  12*16mm Squared shape fitting, dot free, seamless connection. Available lower wattage for glare-less accent line.

D Curved indirect light

Emphasizing the design by adding lights to curved cove lighting and the like.

- **Luci Power FLEX α** 10.4W 550lm P.82
  Side bend type strip with minimum 300mm bending radius. Since light is emitted perpendicular to the direction of bending, the light can be efficiently applied to the ceiling surface of the curved cove.

- **Luci Power FLEX EX series** P.46
  18.2W 1450lm | 12.1W 1020lm | 9.5W 700lm | 6.5W 520lm | 4.5W 370lm
  Top bend type strip, high efficient, MacAdam 3steps, suitable for lightsource of surface lighting. Various brightness, power consumption and LED pitching provide wide selection depending on installation area.

- **Luci UQ FLEX α** 15.8W 573 lm | 12.6W 457 lm | 8.4W 305 lm P.32
  Side bend dot-free flexible linear light with min. bending R150mm. Cuttable on site. Up to 10m per run, ideal for restricted driver installation locations.

E Surface mount

As an ambient or task lighting, a linear light can be installed on the ceiling or the wall.

- **Luci RECTA** 31.2W 2150lm P.112
  Square shape with 3 surface light-emitting makes space simple and clean. Variety of fixture length is ideal for installing a random pattern of line or matching the length with site conditions. Over 2000lm/m is bright enough for use as ceiling light instead of fluorescent light.

F Display shelf, wardroab

Since light does not reach the inside of the shelf or wardrobe only by using the lighting from the ceiling surface, it is common to install lighting inside the furniture. In stores, select dotless linear lighting to make the product look beautiful. The lighting is preferred to be hidden under the shelf by using small dimension one.

- Luci silux K, silux wide K P.134, 144

silux K 13.3W 550lm | 8.1W 400lm | 4.3W 190lm
silux wide K 13.3W 730lm | 8.1W 530lm | 4.3W 250lm

High color rendering, Ra>93 for retail stores.
silux K; squared shape, only 12 x 16mm dimension, suitable for using as recessed light at the edge of shelf board to light the light on the objects.
silux wide K; quarter circular shape, suitable for lighting to the back of the shelf.

G Headboard

H Mirror Lighting

Soft light wraps space from the head of the bed. Also, lighting around mirrors to make the appearance of faces brighter and more beautiful.

- Luci silux K 13.3W 550lm | 8.1W 400lm | 4.3W 190lm P.134

Covered with the polycarbonate cover, square shape rigid light can be easy to install in the headboard. Variation of power consumption, 4, 8 and 13 W/m meets the requirement of brightness and limitation of power density.

- Luci Power FLEX EX series P.46

18.2W 1450lm | 12.1W 1020lm | 9.5W 700lm | 6.5W 520lm | 4.5W 370lm

Strip light with high color rendering Ra>93, suitable for mirror light. Use as backlit or as lightsource of diffused line light on the mirror.

I Step / floor

Improve safety with increased visibility of steps and floor surfaces, and highlight stairs in space by adding light to steps and foot lights.

- Luci Flat FLEX F series 3.9W 280lm | 2.5W 180lm P.74

Only 14x 18.5mm dimension size including mounting rail and clip is ideal for under the edge of steps. Custom length is available every 62.4mm up to 5m.

- Luci UQ FLEX Indoor series P.32

Top bend) 15.8W 781lm | 12.6W 623lm | 6.4W 415lm

Dot less flexible and cuttable on site. Both top bend and side bend are the same 16mm × 15mm squarish shape, suitable for glossy floor finish and curved step.

Dynamic white series

Create an appropriate atmosphere for a scene by the color and light adjustable lighting. Suitable for office, hospital and all day restaurant. Contributes to a healthy life in a lighting space that does not break the circadian rhythm.

- Luci THOF 31.2W 2370lm P.118

Square shaped rigid light, max 2370 lm/m. Ideal for surface mount, cove light where is required high brightness. Free choice of two different CCT from 2400K to 5000K.

- Luci Power FLEX THOF 11W 660lm P.68

Strip light with soft acrylic clear tube, max 660 lm/m. Ideal for indirect light, curved cove light. Free choice of two different CCTs from 1900K to 5000K and Blue..

- Luci Vivoxy Graze THOF 38.9W 3655lm P.104

The brightest dynamic white option in Luci. Maximum 3520lm which is sufficient for task lighting as well as wall grazing light. Upgraded to CRI 90 for most of the color range, available from 2200K to 5000K.

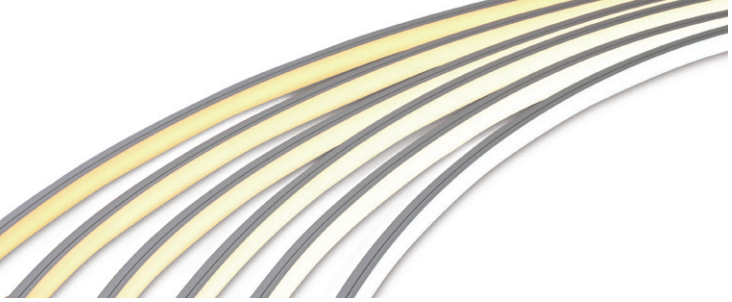
LFU / LFUA NEW

TOKYO MIDTOWN HIBIYA
Location: Japan
Architect office: NOMURA Co., Ltd.

Lighting Design: Noosa Design Co., Ltd.
Construction: KAJIMA CORPORATION
Photo: Nacása & Partners Inc.

JG Dubai
Location: Dubai
Architects Office: Curiosity

Lighting Design: L'Observatoire International
Construction: RK Gulf LLC
Photo: Nacása & Partners Inc.



Luci UQ FLEX / Luci UQ FLEX α

Homogenius bendable liear light cuttable every 50mm at site
Ideal choice to avoid unpleasant dot reflection
for any curved concealed lightling
LFU: Verical (Top) bend
LFUA: Horizontal (Side) bend

Specifications

Dimensions

Cross section W 16 x H 15 mm
Custom order up to 5m at every 50 mm length with both ends or one end feed cable

Up to 5 m in 50 mm increment

Feed cables are available in two directions: side or back freed

Cuttable the LED fixture every 50mm at site. If a luminaire with a both-side feed cable is cut, the left and right sides of the luminaire can be used separately, as if the luminaire were a one-side feed.

Electrical & Output

Model		15	12	8
Power Consumption (W/m)		15.8	12.6	8.4
Luminous flux @ 3000K (lm/m)				
UQ FLEX (LFU)	Top bend	774	617	411
UQ FLEX α (LFUA)	Side bend	573	457	305

Color temperature

7100K | 5300K | 4200K | 3500K | 3000K | 2700K | 2400K | 2100K | 1900K

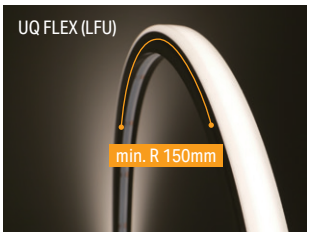
Ra 90

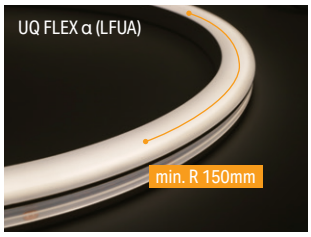
Please refer to the product specification page for the delivered CCT.

Optics

- Unique rounded corner light emitting surface for wide light distribution for less unpleasant peaks on the illuminated surface
- Cross-sectional size common to LFU-I and LFUA-I

Min Bending radius





Features

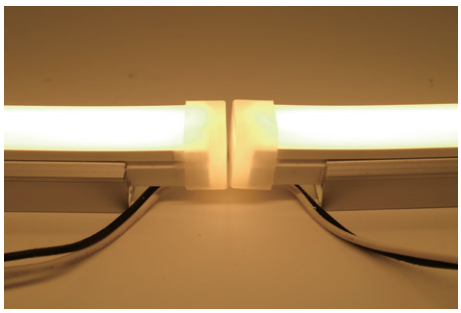
Cable feed directions

Back feed

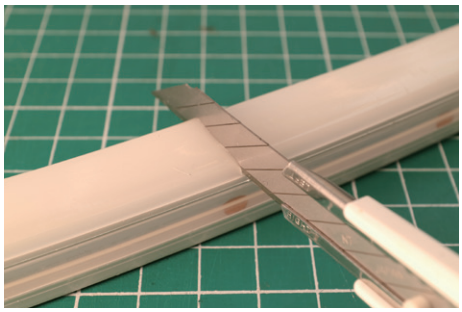
For cove/recessed light in various cable outgoing directions

Side(Right) feed

For indirect cove

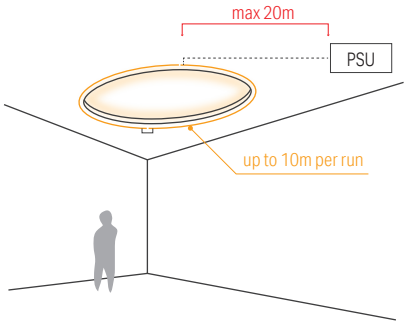


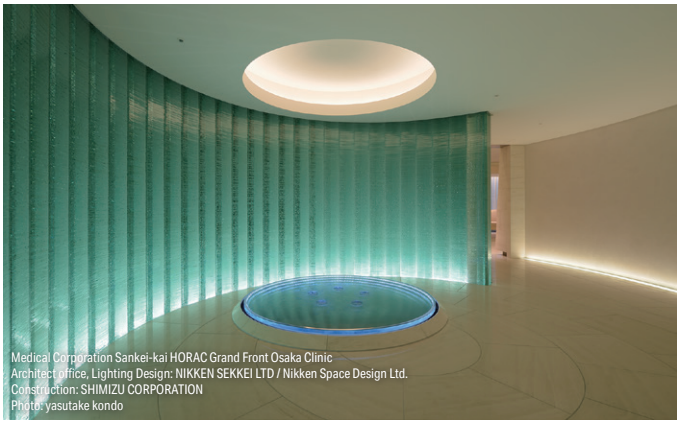
Less visible dark spot at joint
Easy and safe connection of two fixtures
with attached connector



Customise and cuttable at site every 50mm length
Suitable for complex length projects
which can't expect accurate length when ordering

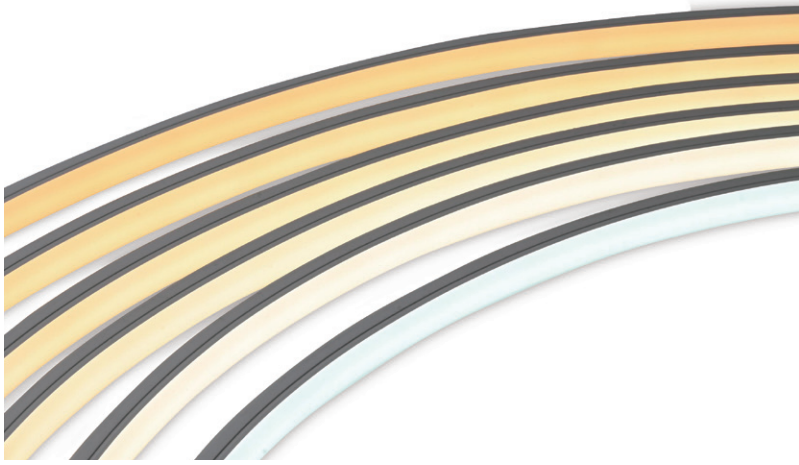
Up to 10m of luminaire per run. Less concern of PSU location!





Medical Corporation Sankei-kai HORAC Grand Front Osaka Clinic
Architect office, Lighting Design: NIKKEN SEKKEI LTD / Nikken Space Design Ltd.
Construction: SHIMIZU CORPORATION
Photo: yasutake kondo

LFU NEW



Color management
MacAdam 3 step

CE

- Top bend dot-free flexible light, cuttable every 50mm at site
- Indoor usage only, custom length max.5m per roll, connectable 10m in run

Model No.

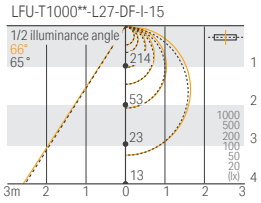
LFU - T□□□□ □ □ - □ - DF - I - □

Product Name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFU	Refer to Custom order length	W: Bothends S : One end	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K L19 : Warm white 1900K	DF : Diffuser	I : Indoor	15 : 15.8 W/m 12 : 12.6 Wm 8 : 8.4 W/m

Lead wire
B : Back feed
R : Side(Right) feed

Light Intensity

Refer to P.44



Specification

Model No.				LFU-T1000S/W S/R-□-DF-I-15		LFU-T1000S/W S/R-□-DF-I-12		LFU-T1000S/W S/R-□-DF-I-8	
Power consumption				15.8 W/m		12.6 W/m		8.4 W/m	
Fitting length(L)				1000mm (Refer to Custom order length)		1000mm (Refer to Custom order length)		1000mm (Refer to Custom order length)	
Weight				-		-		-	
Luminaire efficacy(2700K)				49 lm/W		49 lm/W		49 lm/W	
Light source color			Delivered CCT	○ = Device inventory	* = Equivalent	✳ = Please contact us since it is made-to-order products and has MOQ.			
D	6500K	Ra92	6000K	908lm	✳	724lm	✳	483lm	✳
N	5300K	-	-	-	✳	-	✳	-	✳
W	4200K	Ra93	4000K	921lm	○	734lm	○	490lm	○
WW	3500K	Ra93	3200K	856lm	○	683lm	○	455lm	○
L30	3000K	Ra94	2700K	774lm	○	617lm	○	411lm	○
L27	2700K	Ra93	2500K	781lm	○	623lm	○	415lm	○
L24	2400K	Ra93	2300K	718lm	○	573lm	○	382lm	○
L21	2100K	-		-	✳	-	✳	-	✳
L19	1900K	-		-	✳	-	✳	-	✳

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length	5m
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicone
Attachments	-
Option parts	❶ Mounting rail set ❷ Mounting parts set ❸ Mounting Clip ❹ End cap ❺ Power supply cable ❻ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

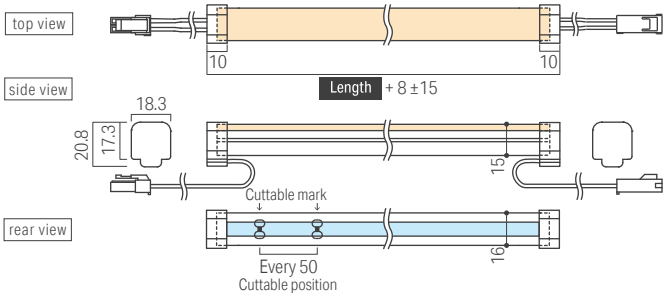
Luci UQ FLEX (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to Length of Model No. and External dimensions

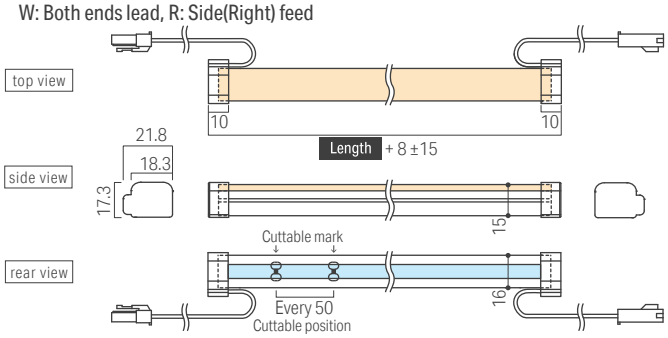
0050	0650	1250	1850	2450	3050	3650	4250	4850
0100	0700	1300	1900	2500	3100	3700	4300	4900
0150	0750	1350	1950	2550	3150	3750	4350	4950
0200	0800	1400	2000	2600	3200	3800	4400	5000
0250	0850	1450	2050	2650	3250	3850	4450	
0300	0900	1500	2100	2700	3300	3900	4500	
0350	0950	1550	2150	2750	3350	3950	4550	
0400	1000	1600	2200	2800	3400	4000	4600	
0450	1050	1650	2250	2850	3450	4050	4650	
0500	1100	1700	2300	2900	3500	4100	4700	
0550	1150	1750	2350	2950	3550	4150	4750	
0600	1200	1800	2400	3000	3600	4200	4800	

External dimensions

W: Both ends lead, B: Back feed

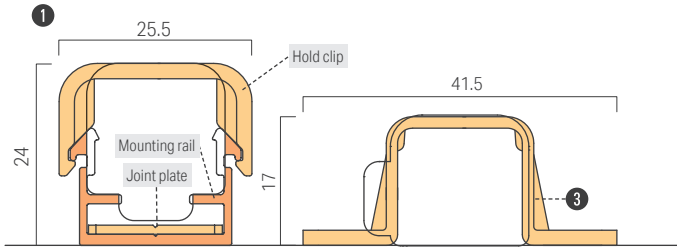


W: Both ends lead, R: Side(Right) feed

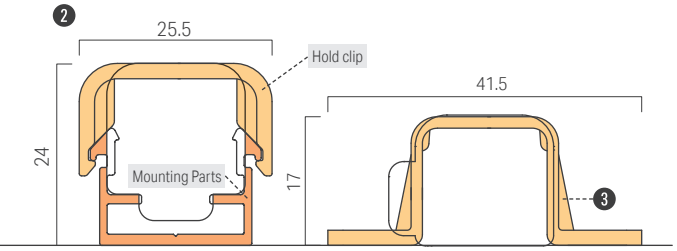


Cross sectional view when installing optional items

Straight installation



Curved installation



Option parts

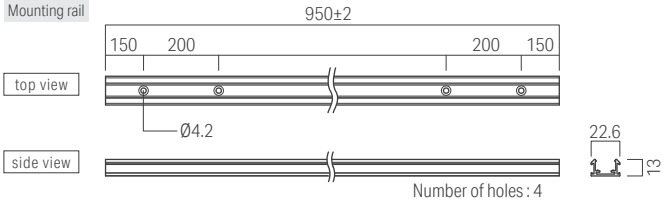
1 Aluminium mounting rail 950 set for UQ FLEX Indoor

Model No : LFU-RL0950-AL-C-I

The set includes Mounting rail (1pc) and PC Hold clip (5 pcs/bag) and Joint plate (1pc)

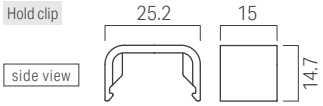
For straight installation (Back/Side feed)

Mounting rail

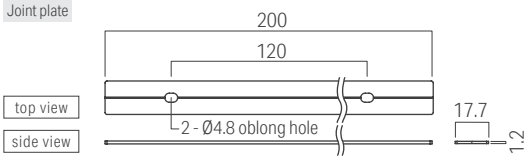


* Specification may subject to change.

Hold clip



Joint plate

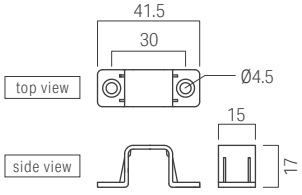


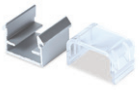
3 PC Mounting clip for UQ FLEX

Model No : LFU-RC

5 pcs/bag

Recommended 5 pcs/m
For curved installation (Side feed)
*When back feed, need a hole for endcap on installation surface.





2 AL mounting parts set for UQ FLEX Indoor

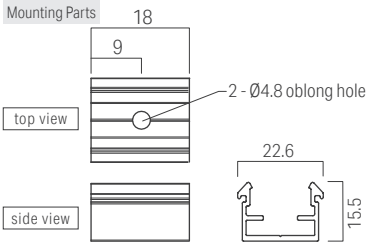
Model No : LFU-RL0018-AL-C-I

The set include Mounting parts (5 pcs/bag) and PC Hold clip (5 pcs/bag)

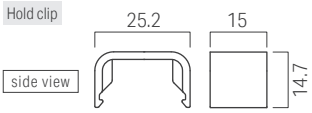
Recommended each 5 pcs/m

For curved installation (Back/Side feed)

Mounting Parts



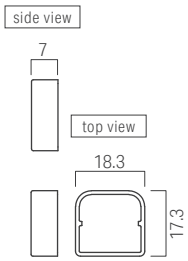
Hold clip



4 Endcap for UQ FLEX indoor

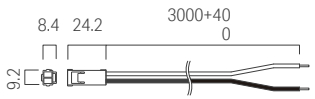
Model No : LFU-EC

Attached with LED fixture (2pcs/bag)
for extra order 2pcs/bag



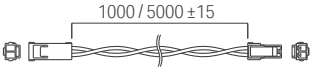
5 Power supply cable 3000mm for SL connector Required

Model No : CAD-3000-MCNN-I



6 Joint cable 1000mm / 5000mm for SL connector

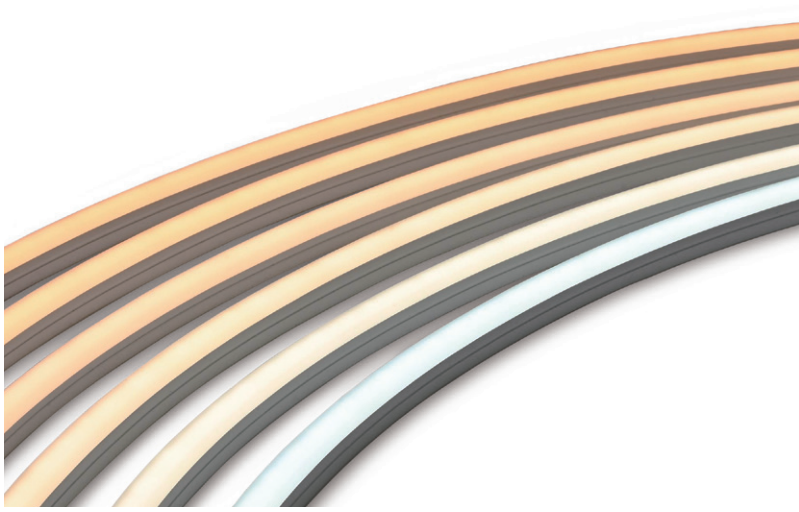
Model No : CAD-1000-MCFC-I / CAD-5000-MCFC-I



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
15.8W/m	12.6W/m	8.4W/m	
~2.2m	~2.9m	~4.3m	50W power supply
~4.4m	~5.8m	~8.7m	100W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

LFUA NEW



Color management
MacAdam 3 step

CE

- Side bend dot-free flexible light, cuttable every 50mm at site
- Indoor usage only, custom length max.5m per roll, connectable 10m in run

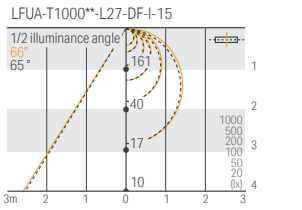
Model No.

LFUA - T□□□□ □ □ - □ - DF - I - □

Product Name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFUA	Refer to Custom order length	W: Bothends S: One end **Lead wire** B: Back feed R: Side(Right) feed	D: Daylight white N: Natural white W: White WW: Warm white 3500K L30: Warm white 3000K L27: Warm white 2700K L24: Warm white 2400K L21: Warm white 2100K L19: Warm white 1900K	DF: Diffuser	I: Indoor	15: 15.8 W/m 12: 12.6 Wm 8: 8.4 W/m

Light Intensity

Refer to P.45



Specification

Model No.				LFUA-T1000S/W S/R-□-DF-I-15		LFUA-T1000S/W S/R-□-DF-I-12		LFUA-T1000S/W S/R-□-DF-I-8	
Power consumption				15.8 W/m		12.6 W/m		8.4 W/m	
Fitting length(L)				1000mm (Refer to Custom order length)		1000mm (Refer to Custom order length)		1000mm (Refer to Custom order length)	
Weight				-		-		-	
Luminaire efficacy(2700K)				36.3 lm/W		36.3 lm/W		36.3 lm/W	
Light source color			Delivered CCT	○ = Device inventory	* = Equivalent	✳ = Please contact us since it is made-to-order products and has MOQ.			
D	6500K	Ra92	6000K	687 lm	✳	548 lm	✳	365 lm	✳
N	5300K	-	-	-	✳	-	✳	-	✳
W	4200K	Ra93	4000K	694 lm	○	553 lm	○	369 lm	○
WW	3500K	Ra93	3200K	632 lm	○	504 lm	○	336 lm	○
L30	3000K	Ra94	2700K	573 lm	○	457 lm	○	305 lm	○
L27	2700K	Ra93	2500K	561 lm	○	448 lm	○	298 lm	○
L24	2400K	Ra93	2300K	522 lm	○	416 lm	○	278 lm	○
L21	2100K	-		-	✳	-	✳	-	✳
L19	1900K	-		-	✳	-	✳	-	✳

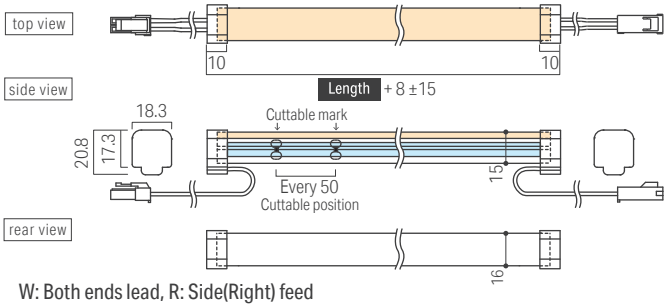
Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

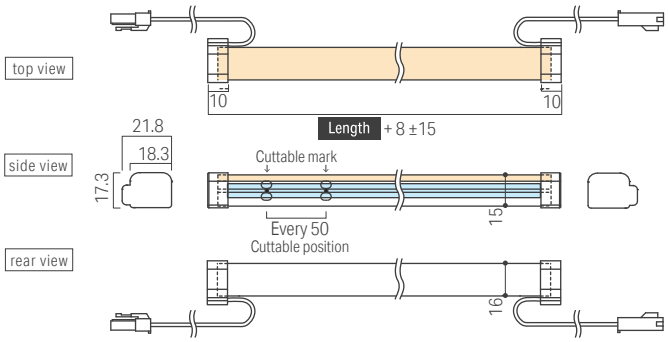
Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length	5m
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicone
Attachments	-
Option parts	❶ Mounting rail set ❷ Mounting parts set ❸ Mounting Clip ❹ End cap ❺ Power supply cable ❻ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

W: Both ends lead, B: Back feed



W: Both ends lead, R: Side(Right) feed



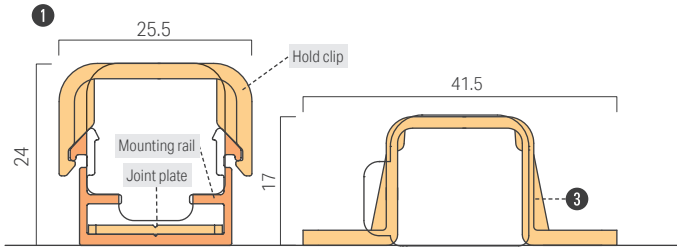
Luci UQ FLEX α (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to Length of Model No. and External dimensions

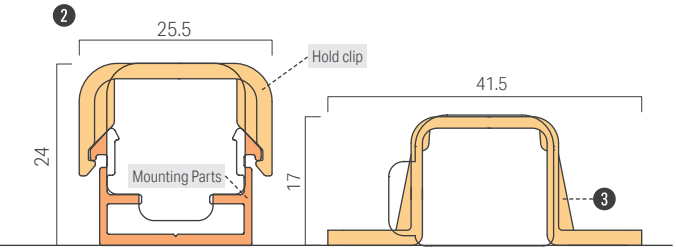
0050	0650	1250	1850	2450	3050	3650	4250	4850
0100	0700	1300	1900	2500	3100	3700	4300	4900
0150	0750	1350	1950	2550	3150	3750	4350	4950
0200	0800	1400	2000	2600	3200	3800	4400	5000
0250	0850	1450	2050	2650	3250	3850	4450	
0300	0900	1500	2100	2700	3300	3900	4500	
0350	0950	1550	2150	2750	3350	3950	4550	
0400	1000	1600	2200	2800	3400	4000	4600	
0450	1050	1650	2250	2850	3450	4050	4650	
0500	1100	1700	2300	2900	3500	4100	4700	
0550	1150	1750	2350	2950	3550	4150	4750	
0600	1200	1800	2400	3000	3600	4200	4800	

Cross sectional view when installing optional items

Straight installation



Curved installation



Option parts

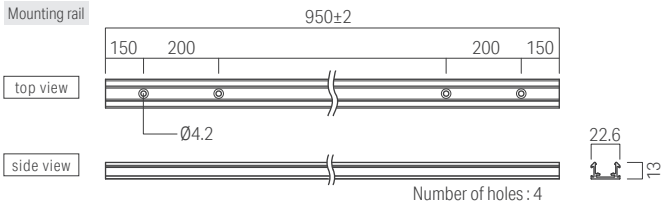
1 Aluminium mounting rail 950 set for UQ FLEX Indoor

Model No : LFU-RL0950-AL-C-I

The set include Mounting rail (1pc) and PC Hold clip (5 pcs/bag) and Joint plate (1pc)

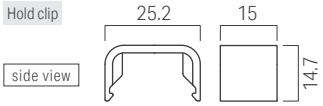
For straight installation (Back/Side feed)

Mounting rail

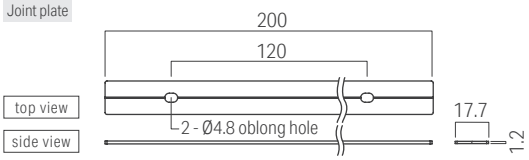


* Specification may subject to change.

Hold clip



Joint plate

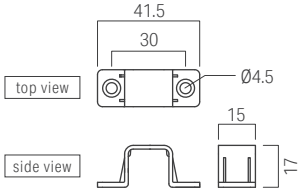


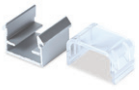
3 PC Mounting clip for UQ FLEX

Model No : LFU-RC

5 pcs/bag

Recommended 5 pcs/m
For curved installation (Side feed)
*When back feed, need a hole for endcap on installation surface.





2 AL mounting parts set for UQ FLEX Indoor

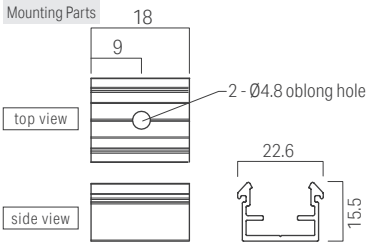
Model No : LFU-RL0018-AL-C-I

The set include Mounting parts (5 pcs/bag) and PC Hold clip (5 pcs/bag)

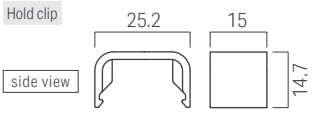
Recommended each 5 pcs/m

For curved installation (Back/Side feed)

Mounting Parts



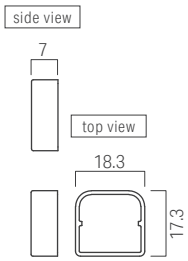
Hold clip



4 Endcap for UQ FLEX indoor

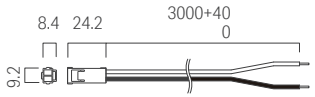
Model No : LFU-EC

Attached with LED fixture (2pcs/bag)
for extra order 2pcs/bag



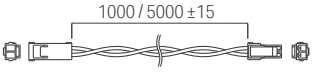
5 Power supply cable 3000mm for SL connector Required

Model No : CAD-3000-MCNN-I



6 Joint cable 1000mm / 5000mm for SL connector

Model No : CAD-1000-MCFC-I / CAD-5000-MCFC-I



Max. connectable length per power supply

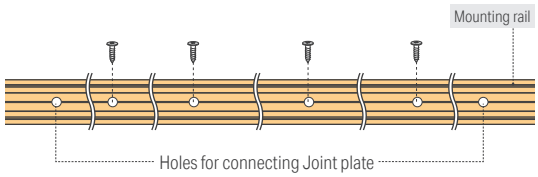
Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
15.8W/m	12.6W/m	8.4W/m	
~2.2m	~2.9m	~4.3m	50W power supply
~4.4m	~5.8m	~8.7m	100W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

Installing the product

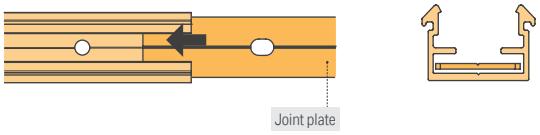
Installation with Mounting rail

❶ Aluminium mounting rail 950 set for UQ FLEX Indoor (LFU-RL0950-AL-C-I)

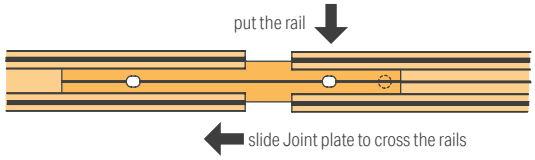
① Fix the alminium rail by screws (pan head screw M4 recommended) supplied by installer. The screw holes at both ends should be left unused for installing with the Joint plate.



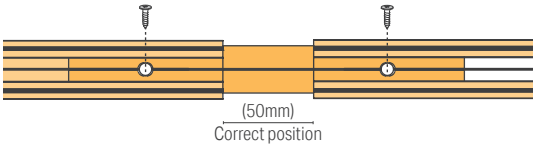
② When two or more rails are installed in a straight line, insert the Joint plate into bottom of the rail.



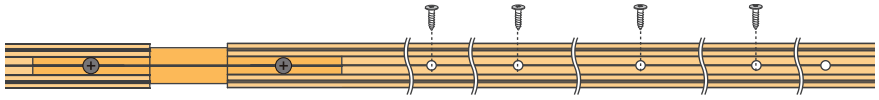
③ Put the second rail and slide the Joint plate as below.



④ Fix the holes of rails and plate altogether by screws.

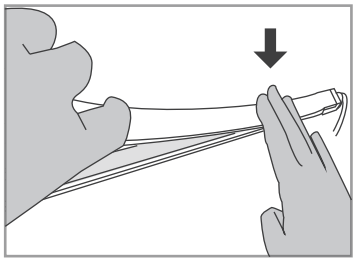


⑤ Fix the holes of second rail for installation like ①...



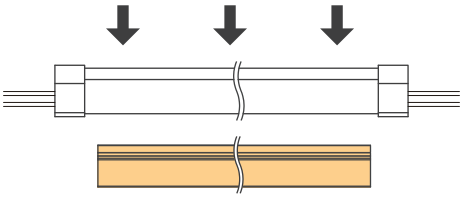
LFU-I Top / Vertical bend only

⑥ Hold one side of the LED fixture and gradually push on the other side into the aluminum rail.

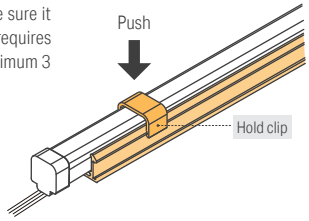


LFUA-I Side / Horizontal bend only

⑥ When installing LFUA (side bend) on the mounting rail, the LED fixture shall first be placed horizontally on the rail and the entire LED fixture shall be pushed gradually horizontally into the rail so that the LED fixture does not bend vertically.



⑦ Push the PC hold clip for UQ FLEX rail (LFU-PT-B) until click sound and make sure it is securely locked. SUS hold clip is recommended in the environment where requires durability or downwards installation. Recommended number of LFU-PT-B is minimum 3 pcs/m.

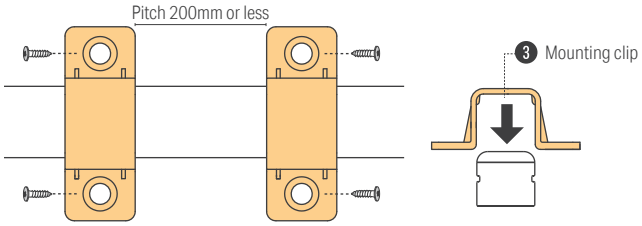


Installation with Mounting clip

❸ PC Mounting clip for UQ FLEX (LFU-RC)

① Place the LED fixture on the surface to be installed. Do not twist and bend the LED fixture in the wrong direction.

② Fix the mounting clip by 2pcs of screws supplied by installer.(pan head screw M4 recommended) The recommended distance between clips is 200 mm or less. The clips at both ends should be 50 mm away from the ends of the LED luminaire to prevent it from lifting.



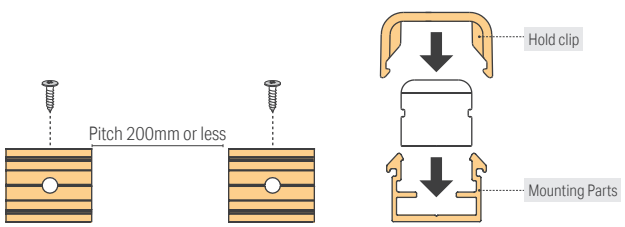
Installation with Mounting parts

❷ AL mounting parts set for UQ FLEX Indoor (LFU-RL0018-AL-C-I)

① Fix the aluminum mounting parts by 1 pc of screw to the points where the LED fixture is to be installed. (pan head screw M4 recommended) The recommended distance between clips is 200 mm or less. The mounting parts at both ends should be 50 mm away from the ends of the LED fixture to prevent it from lifting.

② Push the LED fixture into the clip while keeping the correct bending direction. Caution: Do not bend the LED fixture in the wrong direction.

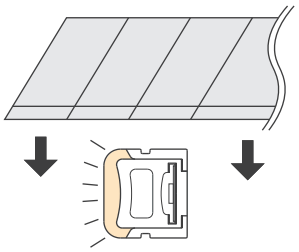
③ Put the PC hold clip (LFU-PT-B) until click sound and make sure it is securely locked. The hold clips should be used if the LED fixture is easily dislodged or installed downward.

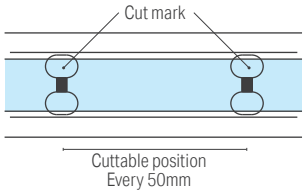


Cutting and terminal sealing

LFU-I Top / Vertical bend only

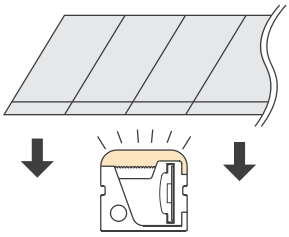
Pen knife/Box cutter
Push the blade straight down

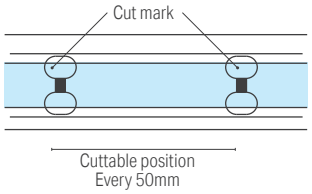




LFUA-I Side / Horizontal bend only

Pen knife/Box cutter
Push the blade straight down





Wipe off any dirt, etc. from the adhesive area.

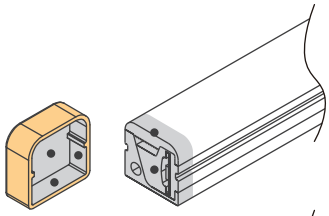
Use a thin blade such as a Pen knife/Box cutter for cutting.
Use of thick blades, scissors, nippers, etc. will bend the board and cause malfunctions.

When cutting the LED fixture, be sure to cut at the cutting marks shown above. If anywhere other than the cut mark is cut, the LED fixture will not turn on. When cutting, push the blade straight down along the cutting mark. Pulling the blade back and forth like a saw may cause the circuit
board to fold, resulting in malfunction.

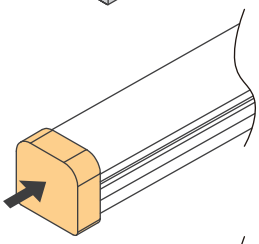
Cutting should always be done on a flat, stable surface.

The cut and insulated LED fixture with end cap can only be used indoors. Do not install the products in wet or humid places.

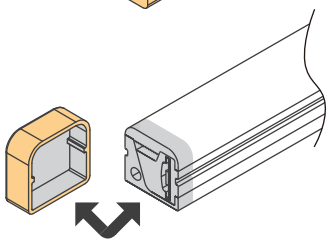
Before installation and lighting, check that the cap adheres properly.



Apply primer on the cut area of the light fixture and the inside of the cap (gray area in the figure).

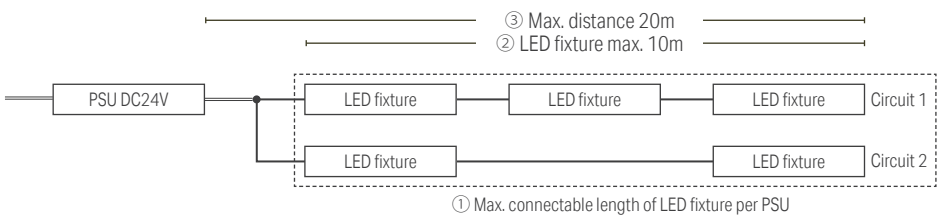


Apply sufficient adhesive on the cut area of the LED fixture and the inside of the cap (gray area in the figure).



Immediately attach the end cap to the LED fixture and dry it for at least 30 minutes.

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits			**Power supply**
15.8W/m	12W/m	8W/m	
～2.2m	～2.9m	～4.3m	50W power supply
～4.4m	～5.8m	～8.7m	100W power supply
～6.6m	～8.7m	～13.1m*	150W power supply

Luci UQ FLEX / Luci UQ FLEX α

Luci UQ FLEX Indoor -Custom order-

Model No.

LFU - T□□□□ □□ - □ - DF - I - □

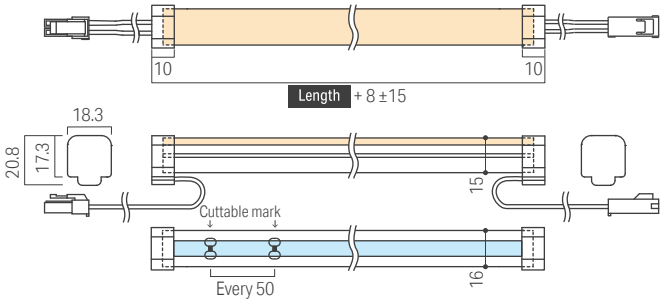
Product name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFU	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire B Back feed R Side(Right) feed	D Daylightl white 6500K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K L21 Warm white 2100K 2100K L19 Warm white 1900K 1900K	DF Diffuser	I Indoor	15 15.8W 12 12.6W 8 8.4W

External dimension

Luci UQ FLEX Indoor / W Both ends lead wire, B Back feed

LFU - T□□□□WB - □ - DF - I - □

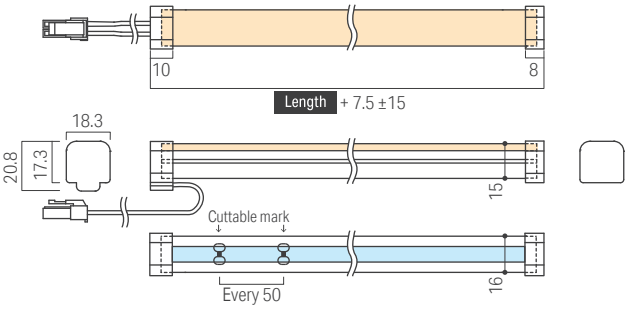
(Length / Color / Wattage)



Luci UQ FLEX Indoor / S One end lead wire, B Back feed

LFU - T□□□□SB - □ - DF - I - □

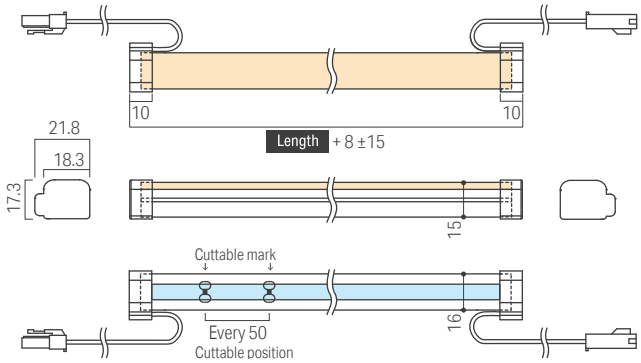
(Length / Color / Wattage)



Luci UQ FLEX Indoor / W Both ends lead wire, R Side(Right) feed

LFU - T□□□□WR - □ - DF - I - □

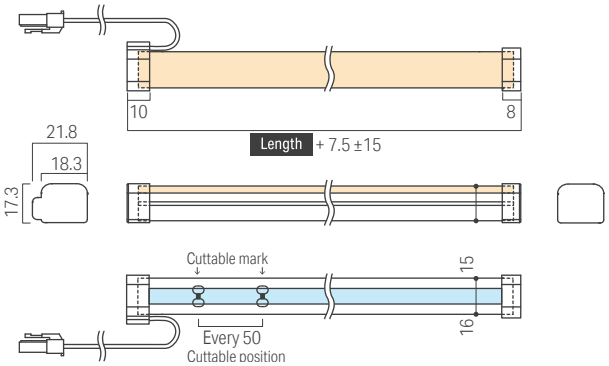
(Length / Color / Wattage)



Luci UQ FLEX Indoor / S One end lead wire, R Side(Right) feed

LFU - T□□□□SR - □ - DF - I - □

(Length / Color / Wattage)



Custom order products size

Luci UQ FLEX (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to Length of Model No. and External dimensions

0050	0350	0650	0950	1250	1550	1850	2150	2450	2750	3050	3350	3650	3950	4250	4550	4850
0100	0400	0700	1000	1300	1600	1900	2200	2500	2800	3100	3400	3700	4000	4300	4600	4900
0150	0450	0750	1050	1350	1650	1950	2250	2550	2850	3150	3450	3750	4050	4350	4650	4950
0200	0500	0800	1100	1400	1700	2000	2300	2600	2900	3200	3500	3800	4100	4400	4700	5000
0250	0550	0850	1150	1450	1750	2050	2350	2650	2950	3250	3550	3850	4150	4450	4750	
0300	0600	0900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800	

Luci UQ FLEX α Indoor -Custom order-

Model No.

LFUA - T□□□□ □□ - □ - DF - I - □

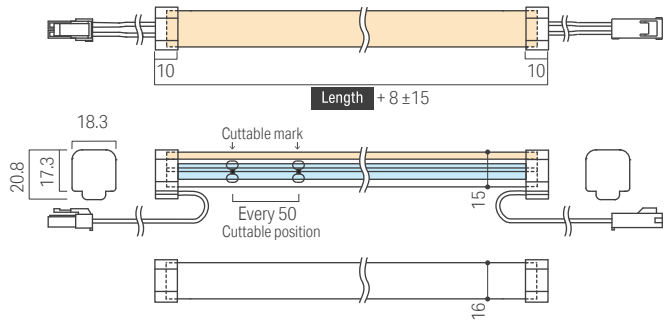
Product name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFUA	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire B Back feed R Side(Right) feed	D Daylightl white 6500K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K L21 Warm white 2100K 2100K L19 Warm white 1900K 1900K	DF Diffuser	I Indoor	15 15.8W 12 12.6W 8 8.4W

External dimension

Luci UQ FLEX α Indoor / W Both ends lead wire, B Back feed

LFUA - T□□□□ WB - □ - DF - I - □

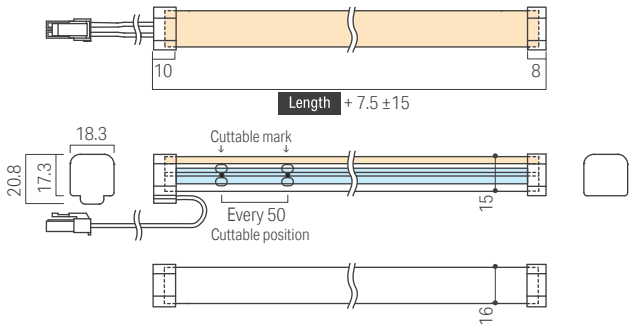
Length / Color / Wattage



Luci UQ FLEX α Indoor / S One end lead wire, B Back feed

LFUA - T□□□□ SB - □ - DF - I - □

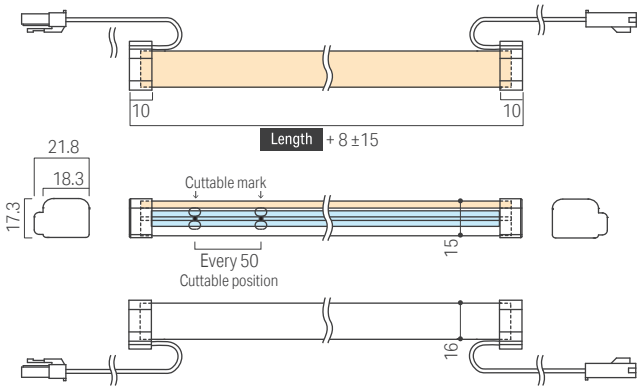
Length / Color / Wattage



Luci UQ FLEX α Indoor / W Both ends lead wire, R Side(Right) feed

LFUA - T□□□□ WR - □ - DF - I - □

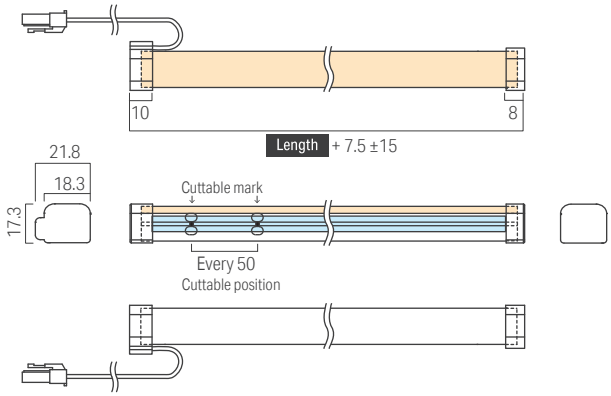
Length / Color / Wattage



Luci UQ FLEX α Indoor / S One end lead wire, R Side(Right) feed

LFUA - T□□□□ SR - □ - DF - I - □

Length / Color / Wattage



Custom order products size

Luci UQ FLEX α (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to Length of Model No. and External dimensions

0050	0350	0650	0950	1250	1550	1850	2150	2450	2750	3050	3350	3650	3950	4250	4550	4850
0100	0400	0700	1000	1300	1600	1900	2200	2500	2800	3100	3400	3700	4000	4300	4600	4900
0150	0450	0750	1050	1350	1650	1950	2250	2550	2850	3150	3450	3750	4050	4350	4650	4950
0200	0500	0800	1100	1400	1700	2000	2300	2600	2900	3200	3500	3800	4100	4400	4700	5000
0250	0550	0850	1150	1450	1750	2050	2350	2650	2950	3250	3550	3850	4150	4450	4750	
0300	0600	0900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800	

Luci UQ FLEX / Luci UQ FLEX α

Illuminance data

LFU
Luci UQ FLEX

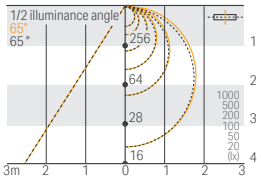
Color temparature

6500K 5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

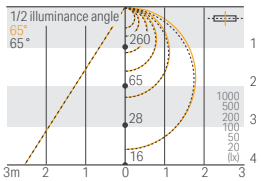
LFU-T1000**-D-DF-I-15

Light source color	6500K
Brightness	256 cd
Luminous flux	909 lm
Color rendering index	Ra 93



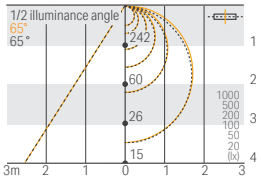
LFU-T1000**-W-DF-I-15

Light source color	4200K
Brightness	260 cd
Luminous flux	921 lm
Color rendering index	Ra 92



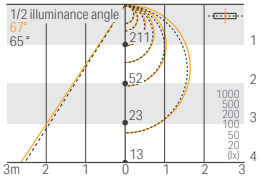
LFU-T1000**-WW-DF-I-15

Light source color	3500K
Brightness	242 cd
Luminous flux	857 lm
Color rendering index	Ra 95



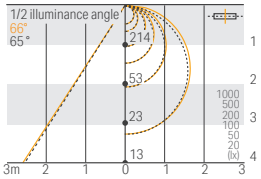
LFU-T1000**-L30-DF-I-15

Light source color	3000K
Brightness	211 cd
Luminous flux	774 lm
Color rendering index	Ra 97



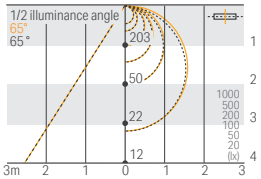
LFU-T1000**-L27-DF-I-15

Light source color	2700K
Brightness	214 cd
Luminous flux	781 lm
Color rendering index	Ra 96



LFU-T1000**-L24-DF-I-15

Light source color	2400K
Brightness	203 cd
Luminous flux	712 lm
Color rendering index	Ra 97



Illuminance data

LFUA
Luci UQ FLEX α

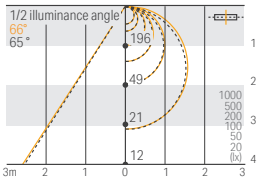
Color temparature

6500K 5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

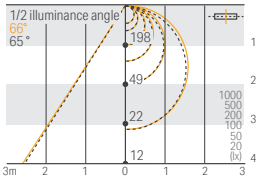
LFUA-T1000**-D-DF-I-15

Light source color	6500K
Brightness	196 cd
Luminous flux	687 lm
Color rendering index	Ra 94



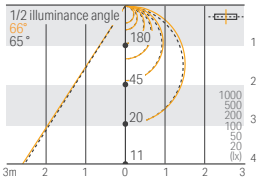
LFUA-T1000**-W-DF-I-15

Light source color	4200K
Brightness	198 cd
Luminous flux	694 lm
Color rendering index	Ra 92



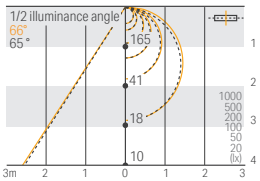
LFUA-T1000**-WW-DF-I-15

Light source color	3500K
Brightness	180 cd
Luminous flux	632 lm
Color rendering index	Ra 95



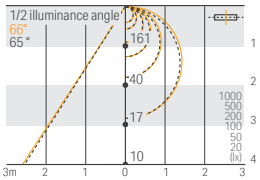
LFUA-T1000**-L30-DF-I-15

Light source color	3000K
Brightness	165 cd
Luminous flux	573 lm
Color rendering index	Ra 97



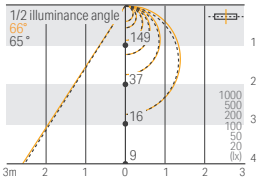
LFUA-T1000**-L27-DF-I-15

Light source color	2700K
Brightness	161 cd
Luminous flux	562 lm
Color rendering index	Ra 97



LFUA-T1000**-L24-DF-I-15

Light source color	2400K
Brightness	149 cd
Luminous flux	523 lm
Color rendering index	Ra 97



LFPEX / LFPSC / LFP / LFPTH / LFTF / LFPA / LFXF

Luci FLEX series

3 years warranty

Top bend

Luci Power FLEX EX

Our next FLEX standard with preferable price

- Renewed to High CRI LED package, >Ra90
- High-energy efficacy achieving up to 92.4lm/W
- 3 steps MacAdam ellipse LED package
- 5 types of wattage and lumen output
(18.2W, 12.1W, 9.5W, 6.5W, 4.5W per meter)
- 3 types of LED pitch(15mm, 20mm, 30mm)
- No need to attach aluminum profile for heat sink
- Customized length available up to 5m per roll

Luci Power FLEX Spect C

- High color rendering Ra>96 in 6500K and 5000K
- Ideal for inspection lighting, museum, office lighting
- Covered with soft acrylic tube
- Cuttabble every 6 LEDs (125 mm)

Ra96

ISO 23603 Color evaluation

Luci Power FLEX THOF

RENEWAL Dynamic White

Dynamic white strip light

- Change atmosphere by tuning the color temperature
- Arrange 2 colors of LED package alternately
- Free choice of two different CCTs from 1900K, 2400K, 2700K, 3000K, 4200K, 5300K and Blue
- Cuttable every 4 LEDs (83.2mm)
- Customized length available up to 5m per roll

Luci Power FLEX

- Short cuttable unit suitable for furniture lighting, and for unpredictable requirements on site (30mm in LFP15, 40mm in LFP20)
- 2 types of wattage (15.4W, 10.5W per meter)
- Customised length available up to 4.5m (LFP15), 5m (LFP20)

Luci Flat FLEX F

- Narrow LED pitch suitable for limited space installation (10mm pitch, 16mm pitch)
- Small section W10mm * H4mm
- 2 types of wattage (3.9W, 2.5W per meter)
- Customized length available up to 5m per roll

Why we use soft acrylic tube

-Maintain high transparency
Silicon is not contained in tube of Luci FLEX series.
Luci original soft acrylic prevents yellowing and preserves the original LED colors.

-High durability
The material properties of the tube for FLEX series are verified with resistant to secular changes such as deformation, discoloration, and deterioration by outdoor weather-resistant test* result.

-Protection against dust and external force
Compared to bare type LED strip, tube type LED strip is superior in terms of protection performance against external force and environmental factors which may cause damage to the circuit board and components.

Side bend

Luci Power FLEX α

High-powered LED strip with bending sideways

- Suitable for curved light trough
- Cuttable every 2 LEDs (40mm)
- Accessory for curved installation

Luci FLEX α F

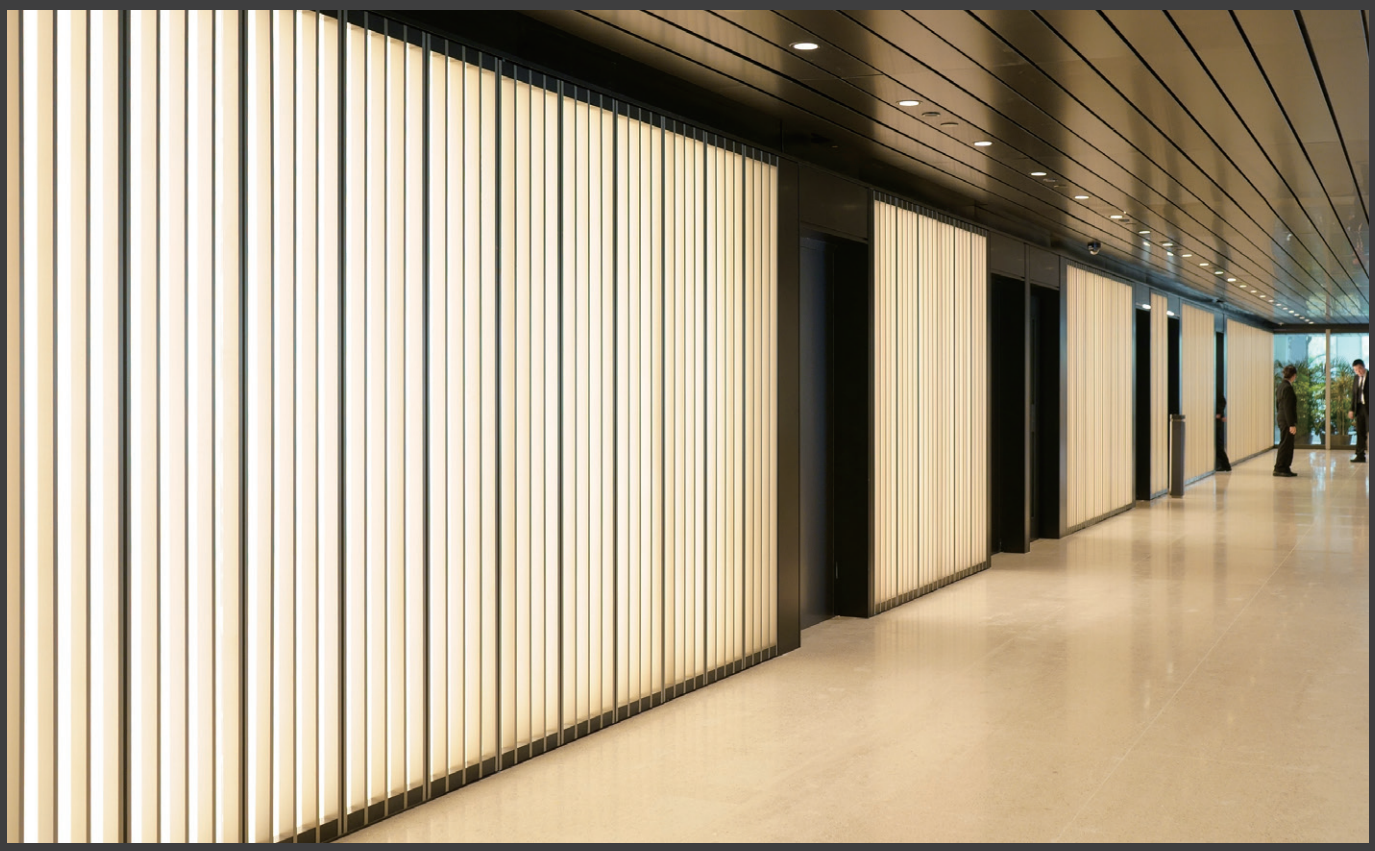
- Low-powered LED strip with bending sideways
- Side view LED package
- Small bending radius (Min. R 50mm)
- Narrow LED pitch suitable for limited space installation (10mm pitch)
- Small section W4mm * H10mm
- Customized length available up to 5m per roll

	Product Series	Series code	Wattage/m	Lumen/m (Warm white 2700K)	CRI	Cuttable unit	Custom order			IP65 avaiable
								Max. length	Differ Tube	
Top bend	Luci Power FLEX EX LFPEX P.46	LFPEX15	18.2 W/m	1496 lm/m	Ra 93	83.2 mm				
		LFPEX20	12.1 W/m	1016 lm/m	Ra 92	125 mm				
		LFPEX30(9.5W)	9.5 W/m	695 lm/m	Ra 91	166.2 mm	○	5m	N/A	○ P.190
		LFPEX30(6.5W)	6.5 W/m	516 lm/m	Ra 93	166.2 mm				
		LFPEX30(4.5W)	4.5 W/m	371 lm/m	Ra 93	166.2 mm				
	Luci Power FLEX Spect C LFPSC P.56	LFPSC20	14.2 W/m	965 lm/m	Ra96	125 mm	N/A	N/A	N/A	N/A
	Luci Power FLEX LFP P.60	LFP15	15.4 W/m	790 lm/m	Ra 90	30 mm	○	4.5m	○	○ P.196
		LFP20	10.5 W/m	563 lm/m		40 mm		5m		
	Luci Power FLEX THOF LFPTH Dynamic White P.68	LFPTH	11 W/m	281 lm/m	Ra 86	83.2 mm	○	5m	N/A	N/A
	Luci Flat FLEX F LFTF P.74	LFTF10	3.9 W/m	282 lm/m	Ra 87	62.4 mm	○	5m	○	○ P.202
		LFTF16	2.5 W/m	176 lm/m		100 mm				
Side bend	Luci Power FLEX α LFPA P.82	LFPA20	10.4 W/m	586 lm/m	Ra 90	40 mm	N/A	N/A	N/A	N/A
	Luci FLEX α F LFXF P.88	LFXF10	3.9 W/m	252 lm/m	Ra 71	62.4 mm	○	5m	○	○ P.208

LFPEX

TOKYO MIDTOWN HIBIYA
Location: Japan
Architect office: NOMURA Co., Ltd.

Lighting Design: Noosa Design Co., Ltd.
Construction: KAJIMA CORPORATION
Photo: Nacása & Partners Inc.



Sun House
Location: Hong Kong
Client: The Sun Company Limited
Architect: Shadow Design

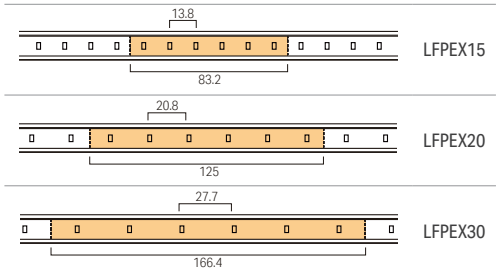
Luci Power FLEX EX

Best - selling strip light with superb price-performance
ideal for large scale projects.
Application is ideal for concealed lighting
with sufficient depth, backlit for light box.

Specifications

Dimensions

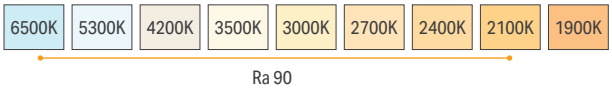
LED pitch and cuttable unit length (mm)



Cross section	W 15 x H 4.5 mm
Standard length	1m with both ends open end wire
Custom order	up to 5m lengths at every unit length with both ends or one end feed cable

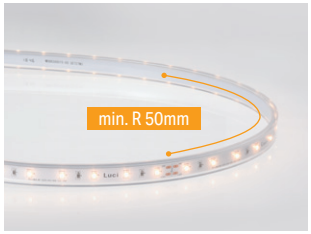
Cuttable luminaire at site at scissor mark. If a luminaire with a both side feed cable is cut, the left and right sides of the luminaire can be used separately, as if the luminaire were one side feed.

Color temperature



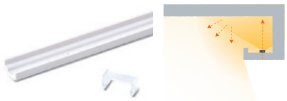
Min Bending radius

R 50mm in top (vertical) bend direction

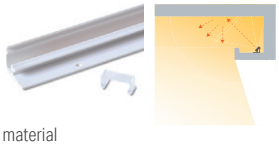


Accessories

Mounting rail 1000 for Power FLEX



45°Mounting rail 1000 for Power FLEX



Easy to cut these rails at site as it's made by AES material

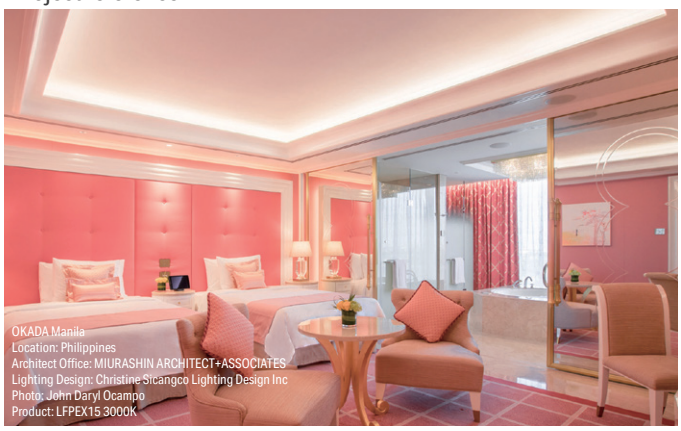
Electrical & Output

Model	LFPEX15	LFPEX20	LFPEX30	LFPEX30	LFPEX30
Power Consumption (W/m)	18.2	12.1	9.5	6.5	4.5
Luminous flux @ 3000K (lm/m)	1493	1008	644	408	308

Soft acrylic tube

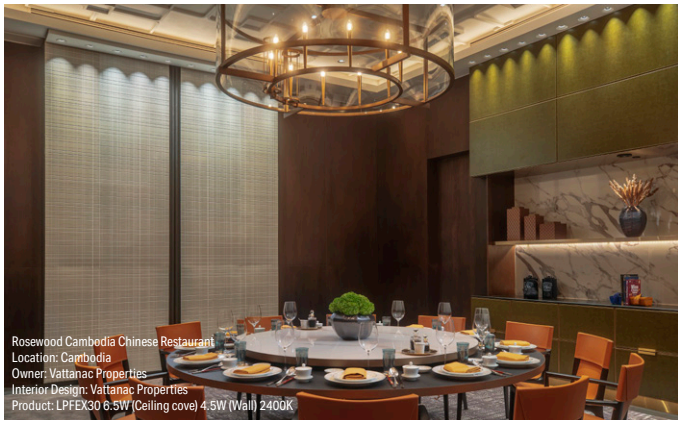
- Higher protection performance than bare LED strip against unexpected static electricity, external force and environmental factors which may cause damage to the circuit board and components.
- Long-lasting characteristics are maintained against deformation, discolouration, and deterioration certify by sunshine weather-resistant tests applied in the automotive industry.

Project reference

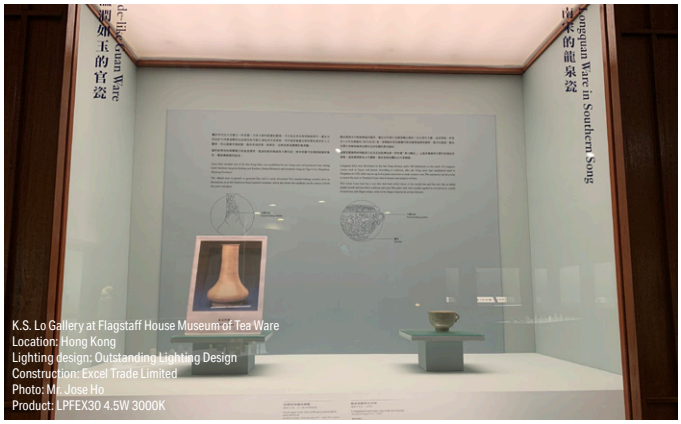


OKADA Manila
Location: Philippines
Architect Office: MIURASHIN ARCHITECT+ASSOCIATES
Lighting Design: Christine Sicangco Lighting Design Inc
Photo: John Daryl Ocampo
Product: LFPEX15 3000K

EVOLUTION JAPAN Location: Japan
Lighting design: MAXRAY INC. KENJI ITO
Construction: HASEGAWA CO.,LTD
Photo: ©SEIRYO YAMADA
Product: LFPEX20 4200K



Rosewood Cambodia Chinese Restaurant
Location: Cambodia
Owner: Vattanac Properties
Interior Design: Vattanac Properties
Product: LPFEX30 6.5W (Ceiling cove) 4.5W (Wall) 2400K



K.S. Lo Gallery at Flagstaff House Museum of Tea Ware
Location: Hong Kong
Lighting design: Outstanding Lighting Design
Construction: Excel Trade Limited
Photo: Mr. Jose Ho
Product: LPFEX30 4.5W 3000K

Luci Power FLEX EX

LFPEX

Color management
MacAdam 3 step

3 years warranty

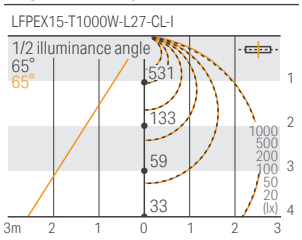
- High-energy efficacy achieving up to 92lm/W
- 5 types of wattage and lumen output in 3 kinds of LED pitch
- Covered by soft acrylic tube

Model No.

LFPEX□□ -T□□□□□- □ - CL - I - □

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment	Wattage
LFPEX15 : 15mm pitch LFPEX20 : 20mm pitch LFPEX30 : 30mm pitch	Custom order length P.51 W : Both ends S : One ends	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K L19 : Warm white 1900K	CL : Clear	I : Indoor	only for LFPEX30 9 : 9.5W 6 : 6.5W 4 : 4.5W

Light Intensity Refer to P.52



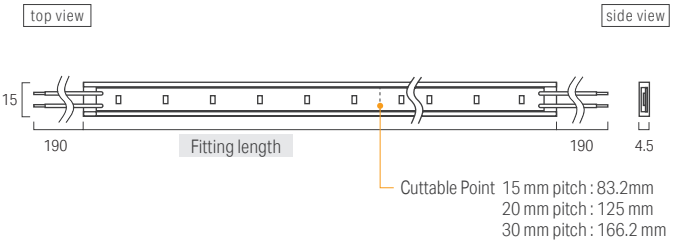
Specification @ Clear cover

LED pitch		15mm pitch			20mm pitch			30mm pitch								
Model No.		LFPEX15-T1000W-□-CL-I			LFPEX20-T1000W-□-CL-I			LFPEX30-T1000W-□-CL-I-9			LFPEX30-T1000W-□-CL-I-6			LFPEX30-T1000W-□-CL-I-4		
Power consumption		18.2W/m			12.1W/m			9.5W/m			6.5W/m			4.5W/m		
Fitting length		1011mm			1011mm			1011mm								
Weight		60g			60g			60g								
Cuttable unit		83.2mm (6 LED)			125mm (6 LED)			166.2mm (6 LED)								
Luminaire efficacy (2700K)		86.6 lm/W			88.2 lm/W			85.2 lm/W			89.6 lm/W			92 lm/W		
Light source color		○ = Device inventory		✳ = Please contact us since it is made-to-order products and has MOQ.			* = Equivalent									
D	6500K	-			-			-			-			-		
N	5300K	Ra 92	✳	1692 lm	Ra 92	✳	1150 lm	Ra 92	✳	847 lm	Ra 92	✳	536 lm	Ra 92	✳	405 lm
W	4200K	Ra 93	○	1680 lm	Ra 93	○	1125 lm	Ra 93	○	812 lm*	Ra 93	○	514 lm*	Ra 93	○	388 lm*
WW	3500K	Ra 93	○	1620 lm	Ra 93	○	1101 lm	Ra 93	○	704 lm*	Ra 93	○	446 lm*	Ra 93	○	337 lm*
L30	3000K	Ra 94	○	1493 lm	Ra 94	○	1008 lm	Ra 94	○	644 lm	Ra 94	○	408 lm	Ra 94	○	308 lm
L27	2700K	Ra 93	○	1496 lm	Ra 92	○	1016 lm	Ra 92	○	643 lm	Ra 92	○	407 lm	Ra 92	○	307 lm
L24	2400K	Ra 93	○	1260 lm	Ra 93	○	856 lm	Ra 93	○	592 lm	Ra 93	○	375 lm	Ra 93	○	283 lm
L21	2100K	Ra 93	✳	1100 lm	Ra 96	✳	748 lm	Ra 96	✳	550 lm	Ra 96	✳	348 lm	Ra 96	✳	263 lm
L19	1900K	Ra 63	✳	1405 lm	Ra 63	✳	955 lm	Ra 63	✳	703 lm	Ra 63	✳	445 lm	Ra 63	✳	336 lm

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	❻ End cap 2pcs
Option parts	❶❷❸ Mounting rail ❹❺ Mounting clip ❻ End cap ❼ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

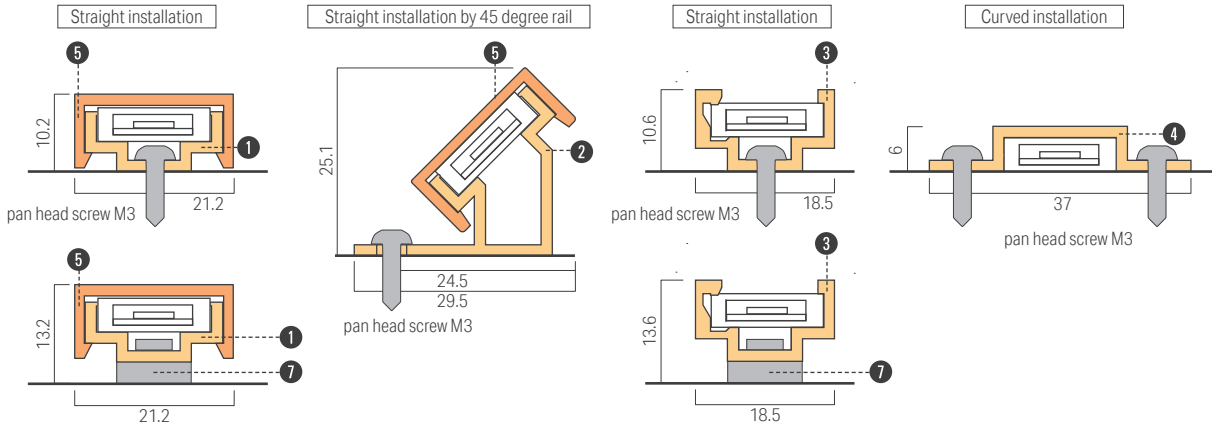
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits					
		30mm pitch			
15mm pitch	20mm pitch	9.5W	6.5W	4.5W	Power supply
~1.9m	~2.8m	~3.6m	~5.3m*	~7.7m*	50W power supply
~3.8m	~5.7m*	~7.3m*	~10.7m*	~15.5m*	100W power supply
~5.7m*	~8.6m*	~11m*	~16.1m*	~23.3m*	150W power supply

Cross sectional view when installing optional items

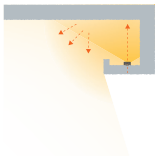


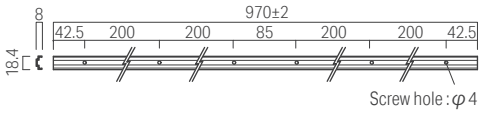
Option parts

❶ Mounting rail 1000 for Power FLEX

Model No : LFP-RL1000
Material: AES

❺ Mounting clip for rail (5pcs) is included.

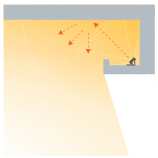


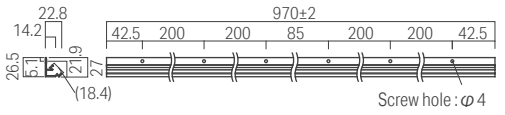


❷ 45° Mounting rail 1000 for Power FLEX

Model No : LFP-45RL1000
Material: AES

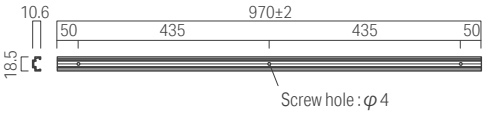
❺ Mounting clip for rail (5pcs) is included.





❸ Aluminum mounting rail 1000 for Power FLEX

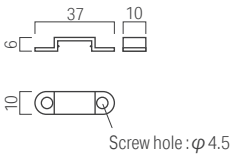
Model No : LFP-RL1000-AL



❹ Mounting clip for Power FLEX

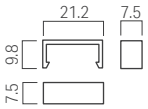
Model No : LFP-RC
5 pcs / bag

For curved installation



❺ Mounting clip for rail Attachments for ❶ & ❷

Model No : LFP-PT
For extra order, 5 pcs / bag

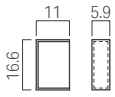


❻ End cap for Power FLEX

Model No : LFP-EC
Attached with LED fixture on request
2 pcs / bag per LED fixture

For sealing the open end of LED fixture after cutting.
Sealing glue is required to supply by installer.
Acrylic glue is recommended.

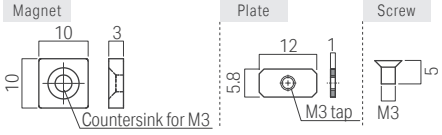
For extra order, 2 pcs / bag



❼ Magnet set for rail

Model No : MG-R
4 pcs / bag

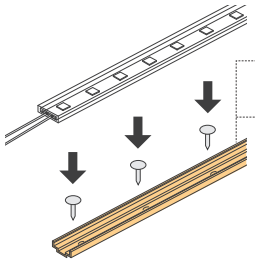
Used for installing LED fixture with mounting rail ❶ or ❸ on metal plate.
Metal plate is required by installer.



Luci Power FLEX EX

Installing the product

Straight installation

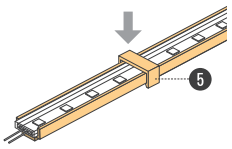


❶ Mounting rail 1000 for Power FLEX (LFP-RL1000)

❸ Aluminum mounting rail 1000 for Power FLEX (LFP-RL1000-AL)

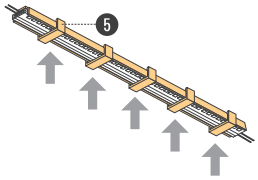
Pan head screws M3 recommended.

Cove lighting



❺ Mounting clip for rail (LFP-PT)

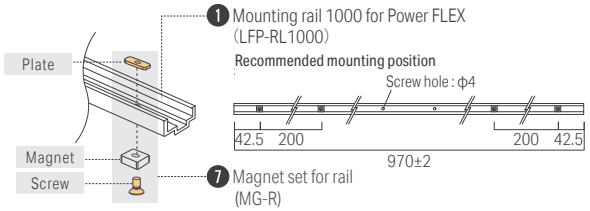
Cornice lighting



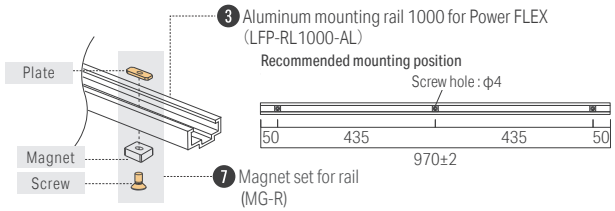
For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m
* In case of Aluminum mounting rail 1000 for Power FLEX, Mounting clip for rail is not necessary.

Magnet Installation

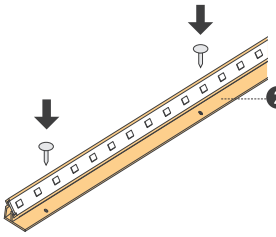
Mounting rail 1000 for Power FLEX



Aluminum mounting rail 1000 for Power FLEX



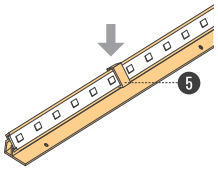
Straight installation by 45 degree rail



❷ 45°Mounting rail 1000 for Power FLEX (LFP-45RL1000)

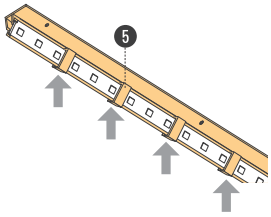
Pan head screws M3 recommended.

Cove lighting



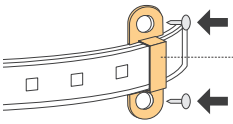
❺ Mounting clip for rail (LFP-PT)

Cornice lighting



For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m

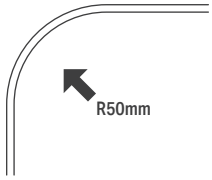
Curved installation



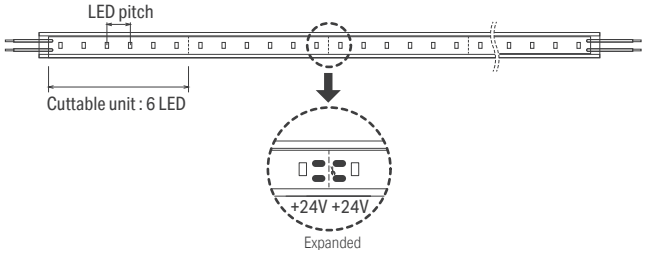
❹ Mounting clip for Power FLEX (LFP-RC)

Pan head screws M3 recommended.

Minimum bending radius



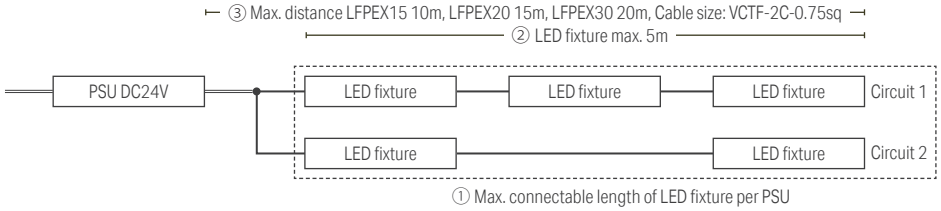
Cutting of lamp fitting



The cuttable unit of Luci Power FLEX EX is 6 LEDs.

Cutting the LED fixture at the wrong point may cause failure or a non-lit. End caps are required to seal the open end of the LED fixture after cutting. Acrylic adhesive is recommended. Do not solder cables to the circuit board of the cut LED fixture.

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci Power FLEX EX Indoor -Custom order-

Model No.

LFPEX□□ - T□□□□ □ - □ - CL - I -□

LED Pitch

- 15 15mm Pitch
- 20 20mm Pitch
- 30 30mm Pitch

Length

Refer to "Custom order products size"

Lead Wire

- W Both ends lead wire
- S One end lead wire

Light source color

N	Natural white	5300K
W	White	4200K
WW	Warm white 3500K	3500K
L30	Warm white 3000K	3000K
L27	Warm white 2700K	2700K
L24	Warm white 2400K	2400K
L21	Warm white 2100K	2100K
L19	Warm white 1900K	1900K

Tube type

- CL Clear

Environment

- I Indoor

Wattage

only for LFPEX30

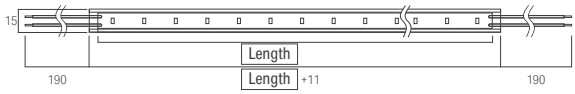
- 9 9.5W
- 6 6.5W
- 4 4.5W

External dimension

Luci Power FLEX EX Indoor / W Both ends lead wire

LFPEX□□ - T□□□□W - □ - CL - I - □

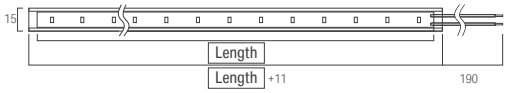
(Pitch / Length / Color / Wattage)



Luci Power FLEX EX Indoor / S One end lead wire

LFPEX□□ - T□□□□S - □ - CL - I - □

(Pitch / Length / Color / Wattage)



- The lead wires are delivered without connectors. Contact us if indoor connectors are needed.

Custom order products size

Luci Power FLEX EX 15mm pitch (18.2 W/m)

Corresponds to Length of Model No. and External dimensions

0083	1082	2080	3078	4077
0166	1165	2163	3162	4160
0250	1248	2246	3245	4243
0333	1331	2330	3328	4326
0416	1414	2413	3411	4410
0499	1498	2496	3494	4493
0582	1581	2579	3578	4576
0666	1664	2662	3661	4659
0749	1747	2746	3744	4742
0832	1830	2829	3827	4826
0915	1914	2912	3910	4909
1000	2000	3000	4000	5000

Luci Power FLEX EX 20mm pitch (12.1 W/m)

Corresponds to Length of Model No. and External dimensions

0125	1123	2122	3120	4118
0250	1248	2246	3245	4243
0374	1373	2371	3370	4368
0499	1498	2496	3494	4493
0624	1622	2621	3619	4618
0749	1747	2746	3744	4742
0874	1872	2870	3869	4867
1000	2000	3000	4000	5000

Luci Power FLEX EX 30mm pitch (9.5 W/m, 6.5 W/m, 4.5W/m)

Corresponds to Length of Model No. and External dimensions

0166	1165	2163	3162	4160
0333	1331	2330	3328	4326
0499	1498	2496	3494	4493
0666	1664	2662	3661	4659
0832	1830	2829	3827	4826
1000	2000	3000	4000	5000

Illuminance data

LFPEX15
Luci Power FLEX EX 15mm pitch

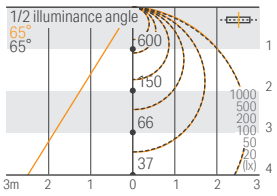
Color temparature

5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

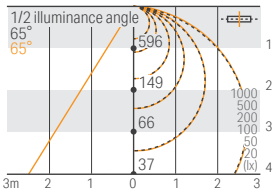
LFPEX15-T1000W-N-CL-I

Light source color	5300K
Brightness	600 cd
Luminous flux	1692 lm
Color rendering index	Ra 92



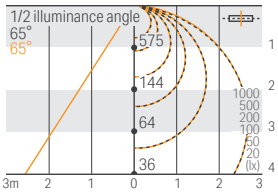
LFPEX15-T1000W-W-CL-I

Light source color	4200K
Brightness	596 cd
Luminous flux	1680 lm
Color rendering index	Ra 93



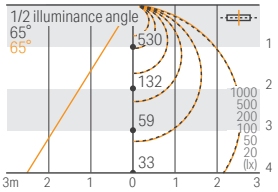
LFPEX15-T1000W-WW-CL-I

Light source color	3500K
Brightness	575 cd
Luminous flux	1620 lm
Color rendering index	Ra 93



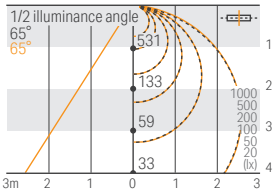
LFPEX15-T1000W-L30-CL-I

Light source color	3000K
Brightness	530 cd
Luminous flux	1493 lm
Color rendering index	Ra 94



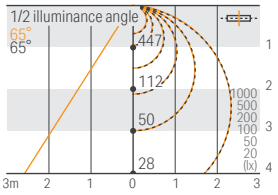
LFPEX15-T1000W-L27-CL-I

Light source color	2700K
Brightness	531 cd
Luminous flux	1496 lm
Color rendering index	Ra 93



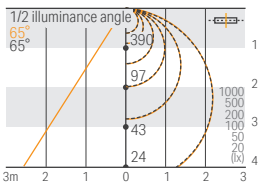
LFPEX15-T1000W-L24-CL-I

Light source color	2400K
Brightness	447 cd
Luminous flux	1260 lm
Color rendering index	Ra 93



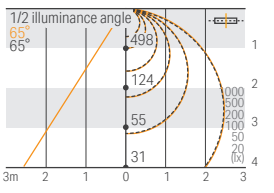
LFPEX15-T1000W-L21-CL-I

Light source color	2100K
Brightness	390 cd
Luminous flux	1100 lm
Color rendering index	Ra 93



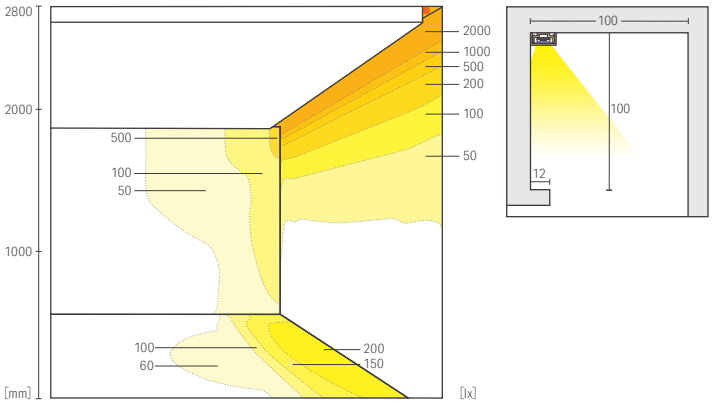
LFPEX15-T1000W-L19-CL-I

Light source color	1900K
Brightness	498 cd
Luminous flux	1405 lm
Color rendering index	Ra 63

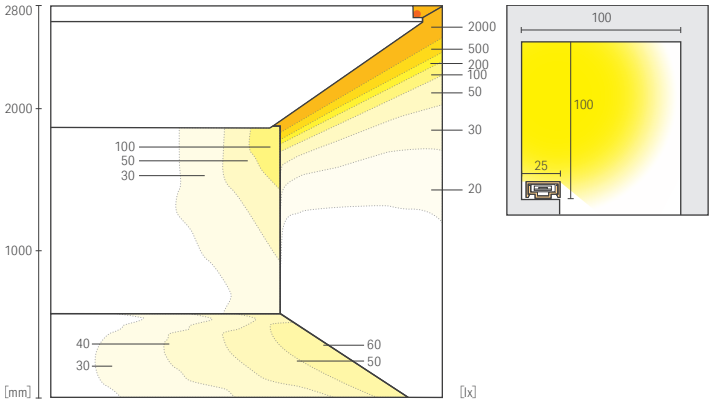


Recommendend dimensions and illumination distribuitions @2700K

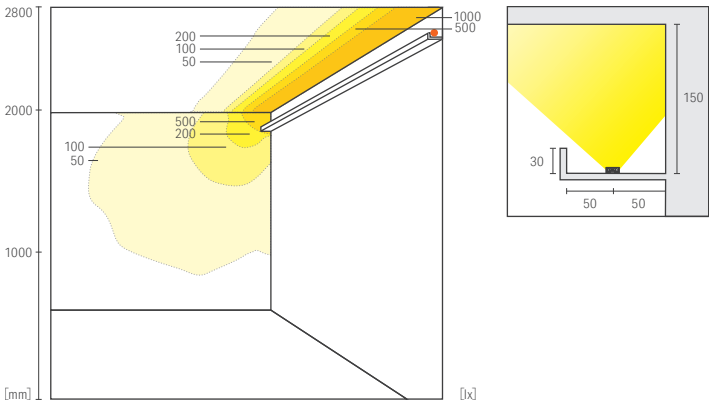
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data

LFPEX20
Luci Power FLEX EX 20mm pitch

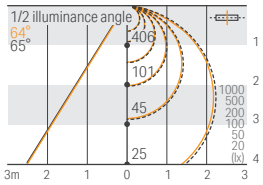
Color temparature

5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

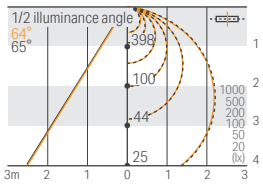
LFPEX20-T1000W-W-CL-I

Light source color	5300K
Brightness	406 cd
Luminous flux	1150 lm
Color rendering index	Ra 93



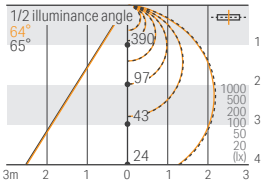
LFPEX20-T1000W-W-CL-I

Light source color	4200K
Brightness	398 cd
Luminous flux	1125 lm
Color rendering index	Ra 93



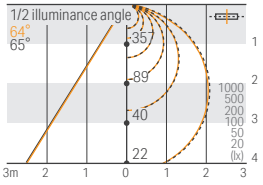
LFPEX20-T1000W-WW-CL-I

Light source color	3500K
Brightness	390 cd
Luminous flux	1101 lm
Color rendering index	Ra 93



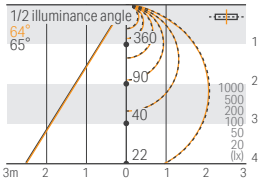
LFPEX20-T1000W-L30-CL-I

Light source color	3000K
Brightness	357 cd
Luminous flux	1008 lm
Color rendering index	Ra 94



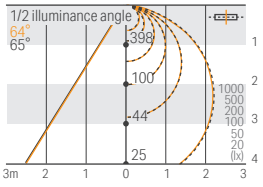
LFPEX20-T1000W-L27-CL-I

Light source color	2700K
Brightness	360 cd
Luminous flux	1016 lm
Color rendering index	Ra 92



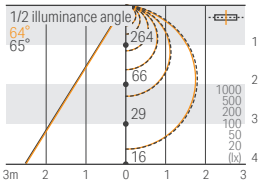
LFPEX20-T1000W-L24-CL-I

Light source color	2400K
Brightness	398 cd
Luminous flux	856 lm
Color rendering index	Ra 93



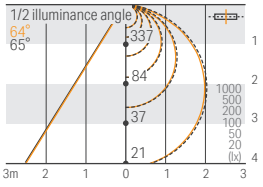
LFPEX20-T1000W-L21-CL-I

Light source color	2100K
Brightness	264 cd
Luminous flux	748 lm
Color rendering index	Ra 96



LFPEX20-T1000W-L19-CL-I

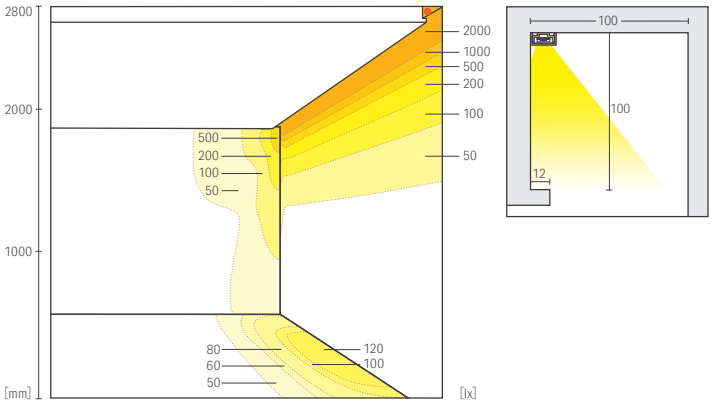
Light source color	1900K
Brightness	337 cd
Luminous flux	955 lm
Color rendering index	Ra 63



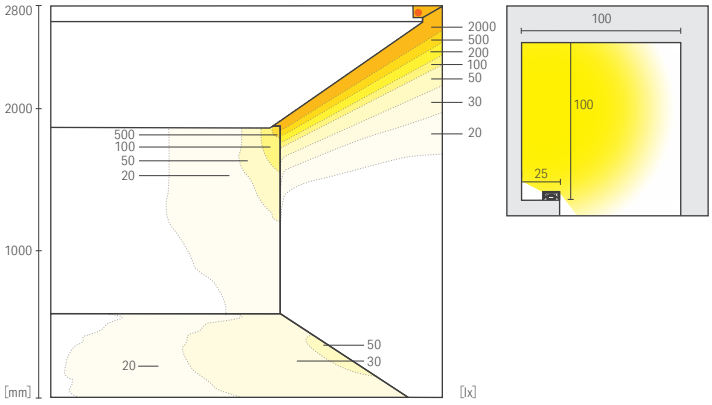
Recommendend dimensions and illumination distribuitions

@2700K

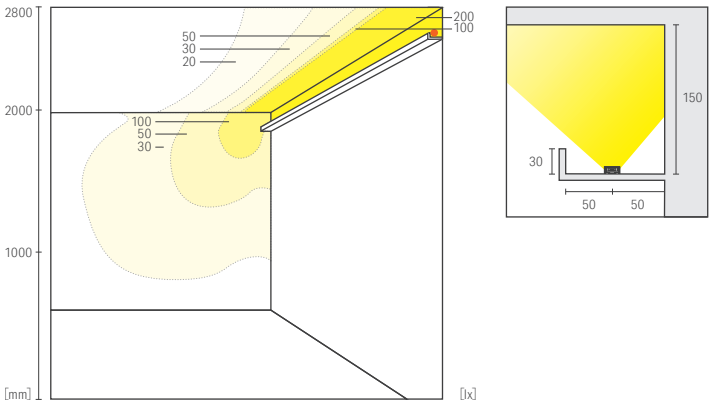
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data

LFPEX30
Luci Power FLEX EX 30mm pitch

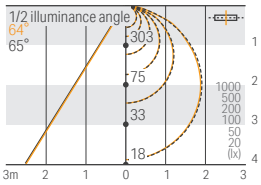
Color temparature

5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

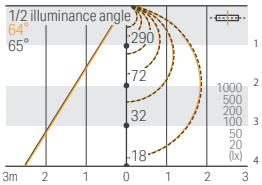
9.5W

Direct horizontal surface light intensity distribution chart

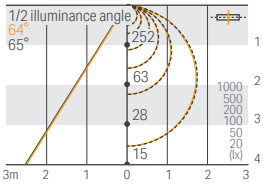
LFPEX30-T1000W-N-CL-I-9
Light source color 5300K
Brightness 303 cd
Luminous flux 847 lm
Color rendering index Ra 92



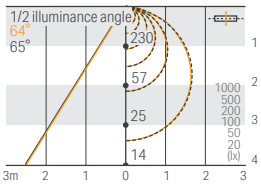
LFPEX30-T1000W-W-CL-I-9
Light source color 4200K
Brightness 290 cd
Luminous flux 812 lm
Color rendering index Ra 93



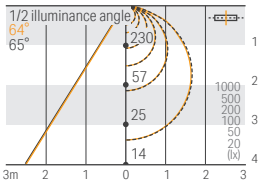
LFPEX30-T1000W-WW-CL-I-9
Light source color 3500K
Brightness 252 cd
Luminous flux 704 lm
Color rendering index Ra 93



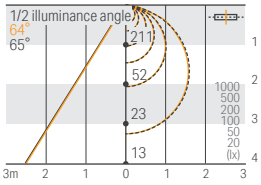
LFPEX30-T1000W-L30-CL-I-9
Light source color 3000K
Brightness 230 cd
Luminous flux 644 lm
Color rendering index Ra 94



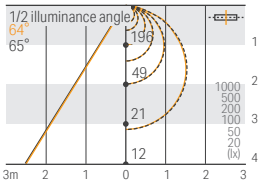
LFPEX30-T1000W-L27-CL-I-9
Light source color 2700K
Brightness 230 cd
Luminous flux 643 lm
Color rendering index Ra 92



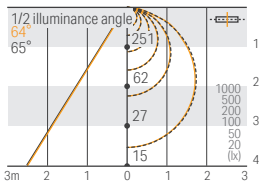
LFPEX30-T1000W-L24-CL-I-9
Light source color 2400K
Brightness 211 cd
Luminous flux 592 lm
Color rendering index Ra 93



LFPEX30-T1000W-L21-CL-I-9
Light source color 2100K
Brightness 196 cd
Luminous flux 550 lm
Color rendering index Ra 96



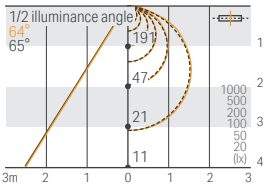
LFPEX30-T1000W-L19-CL-I-9
Light source color 1900K
Brightness 251 cd
Luminous flux 703 lm
Color rendering index Ra 63



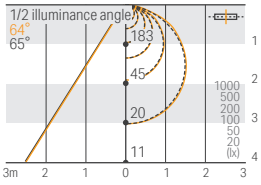
6.5W

Direct horizontal surface light intensity distribution chart

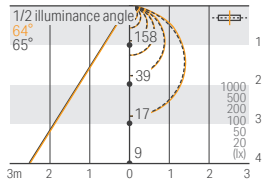
LFPEX30-T1000W-N-CL-I-6
Light source color 5300K
Brightness 191 cd
Luminous flux 536 lm
Color rendering index Ra 92



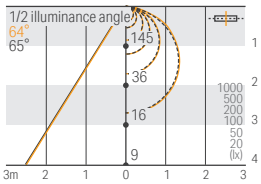
LFPEX30-T1000W-W-CL-I-6
Light source color 4200K
Brightness 183 cd
Luminous flux 514 lm
Color rendering index Ra 93



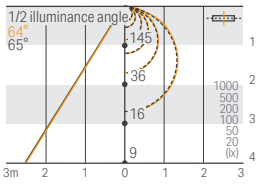
LFPEX30-T1000W-WW-CL-I-6
Light source color 3500K
Brightness 158 cd
Luminous flux 446 lm
Color rendering index Ra 93



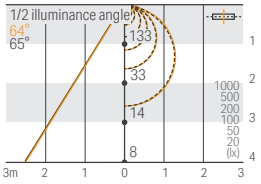
LFPEX30-T1000W-L30-CL-I-6
Light source color 3000K
Brightness 145 cd
Luminous flux 408 lm
Color rendering index Ra 94



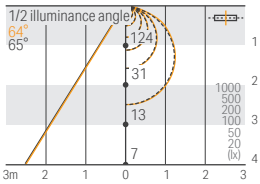
LFPEX30-T1000W-L27-CL-I-6
Light source color 2700K
Brightness 145 cd
Luminous flux 407 lm
Color rendering index Ra 92



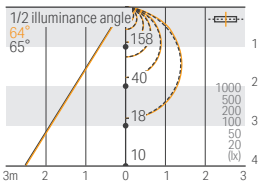
LFPEX30-T1000W-L24-CL-I-6
Light source color 2400K
Brightness 133 cd
Luminous flux 375 lm
Color rendering index Ra 93



LFPEX30-T1000W-L21-CL-I-6
Light source color 2100K
Brightness 124 cd
Luminous flux 348 lm
Color rendering index Ra 96



LFPEX30-T1000W-L19-CL-I-6
Light source color 1900K
Brightness 158 cd
Luminous flux 445 lm
Color rendering index Ra 63



Illuminance data

LFPEX30
Luci Power FLEX EX 30mm pitch

Color temparature

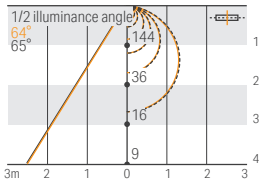
5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

4.5W

Direct horizontal surface light intensity distribution chart

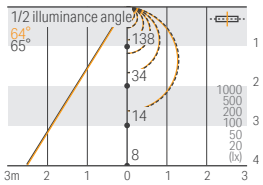
LFPEX30-T1000W-N-CL-I-4

Light source color	5300K
Brightness	144 cd
Luminous flux	405 lm
Color rendering index	Ra 92



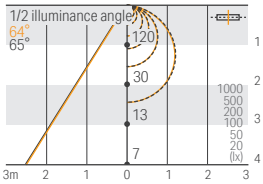
LFPEX30-T1000W-W-CL-I-4

Light source color	4200K
Brightness	138 cd
Luminous flux	388 lm
Color rendering index	Ra 93



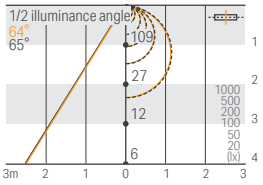
LFPEX30-T1000W-WW-CL-I-4

Light source color	3500K
Brightness	120 cd
Luminous flux	337 lm
Color rendering index	Ra 93



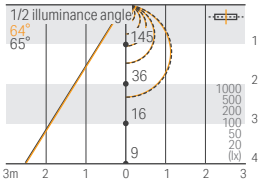
LFPEX30-T1000W-L30-CL-I-4

Light source color	3000K
Brightness	109 cd
Luminous flux	308 lm
Color rendering index	Ra 94



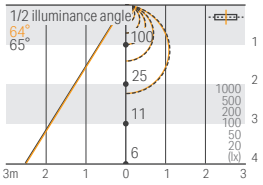
LFPEX30-T1000W-L27-CL-I-4

Light source color	2700K
Brightness	109 cd
Luminous flux	307 lm
Color rendering index	Ra 92



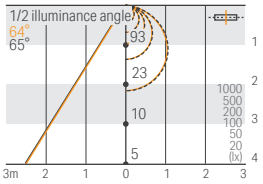
LFPEX30-T1000W-L24-CL-I-4

Light source color	2400K
Brightness	100 cd
Luminous flux	283 lm
Color rendering index	Ra 93



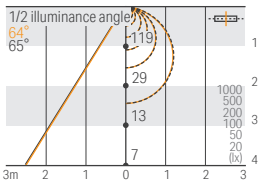
LFPEX30-T1000W-L21-CL-I-4

Light source color	2100K
Brightness	93 cd
Luminous flux	263 lm
Color rendering index	Ra 96



LFPEX30-T1000W-L19-CL-I-4

Light source color	1900K
Brightness	119 cd
Luminous flux	336 lm
Color rendering index	Ra 63



LFPSC

Cosmetic company office
Architect office: tashiromasafumiDESIGNROOM
Construction: CBK CO.,LTD.
Photo: Satoshi Shigeta

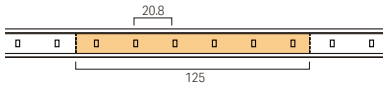
Luci Power FLEX Spect C

Flexible strip light with high color rendering >Ra 96,
ideal for backlit lighting with an artificial sunlight effect,
light for shelves in retail shops,
and inspection lighting of printing, cosmetics and textile, etc.

Specifications

Dimensions

LED pitch and cuttable unit length (mm)



LFPSC20

Cross section : W 15 x H 4.5 mm
Standard length : 1010 mm with both ends open end wire

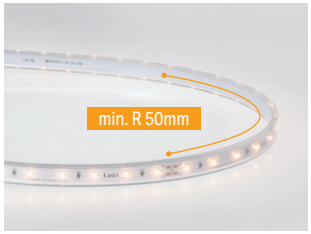
Color temperature

6500K | 5000K

Ra 97

Min Bending radius

R 50mm in top (vertical) bend direction

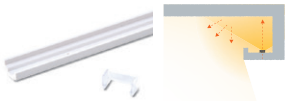


Electrical & Output

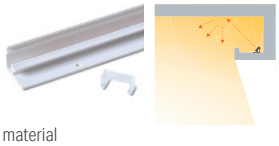
Model	LFPSC20
Power Consumption (W/m)	14.2
Luminous flux @ 5000K (lm/m)	869

Accessories

Mounting rail 1000 for Power FLEX



45°Mounting rail 1000 for Power FLEX



Easy to cut these rails at site as it's made by AES material

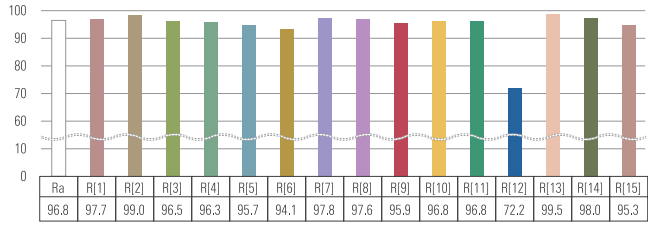
Features

Differences in vision of colors

Value of Ra96

The reproducibility of colors on illuminated objects
by a light source is called "color rendering property".
The benchmark of light source for color rendering property is sunlight,
whose Ra ("average of color Rendering index") is defined as 100.
That means color rendering property level is higher if Ra value is closer to 100.
Luci Power FLEX SpectC maintains Ra96 in "average of Rendering index" (R1 to R8),
while it also achieves high property value in "special color rendering index".

Luci Spect C series



Ra	R[1]	R[2]	R[3]	R[4]	R[5]	R[6]	R[7]	R[8]	R[9]	R[10]	R[11]	R[12]	R[13]	R[14]	R[15]
96.8	97.7	99.0	96.5	96.3	95.7	94.1	97.8	97.6	95.9	96.8	96.8	72.2	99.5	98.0	95.3

Light source color : Natural White

Luci Power FLEX Spect C

LFPSC

Ra96

ISO 23603 Color evaluation

Color management ANSI BIN

CE

3 years warranty

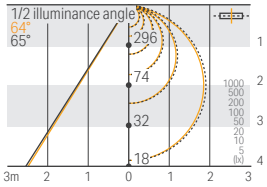
- Flexible strip with bending sideways suitable for curved light trough
- Cuttable every 2 LEDs (40mm)
- Accessory for straight/curved installation

Model No.

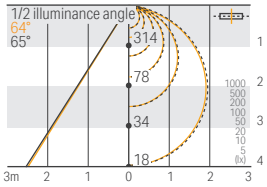
LFPSC20	-	1000	-	□	-	CL	-	I
Product Name / LED pitch		Length		Light source color		Tube type		Environment
LFPSC20 : 20mm pitch		1000		D : Daylight white N : Natural white		CL : Clear		I : Indoor

Light Intensity

LFPSC20-1000-D-CL-I



LFPSC20-1000-N-CL-I



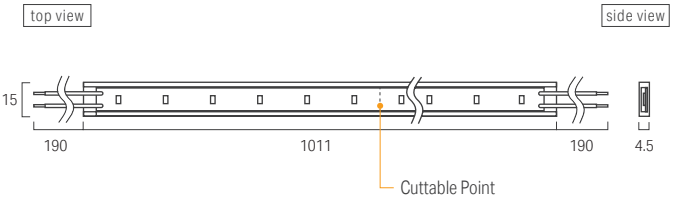
Specification

Model No.	LFPSC20-1000 - □ - CL - I
Power consumption	14.2W/m
Fitting length(L)	1011mm
Weight	60g
Cuttable unit	125mm (6 LED)
Light source color	＊ = Please contact us since it is made-to-order products and has MOQ
D 6500K Ra 97	＊ 817 lm
N 5000K Ra 97	＊ 869 lm

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	❻ End cap 2pcs
Option parts	❶❷❸ Mounting rail ❹❺ Mounting clip ❻ End cap ❼ Magnet
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

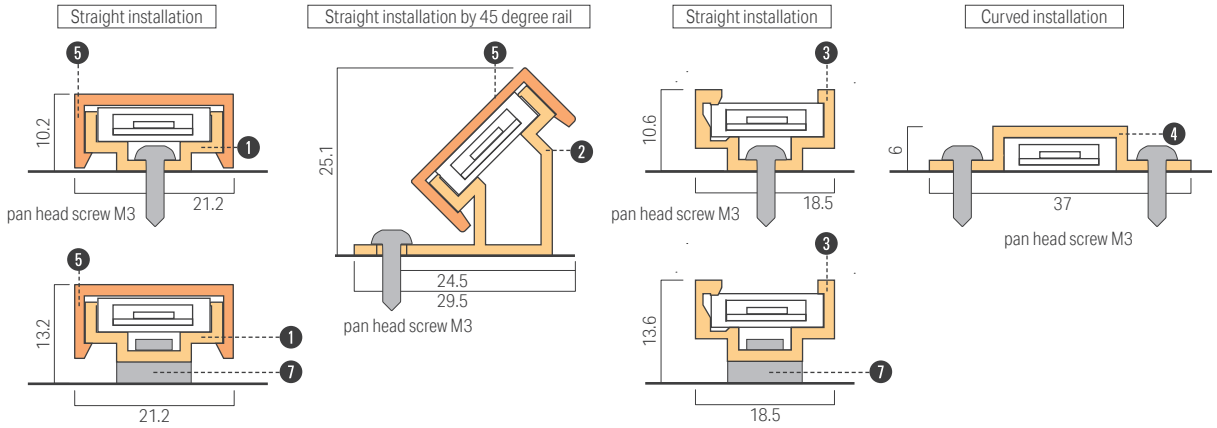
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) During dimmer use *: split into multiple circuits	Power supply
～1.4m	50W power supply
～3.6m	100W power supply
～7.3m*	150W power supply

Cross sectional view when installing optional items

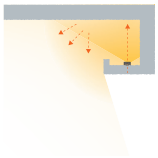


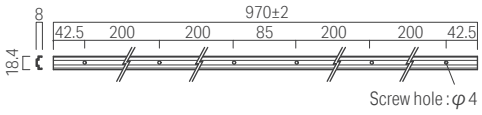
Option parts

❶ Mounting rail 1000 for Power FLEX

Model No : LFP-RL1000
Material: AES

❺ Mounting clip for rail (5pcs) is included.

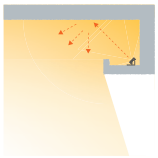


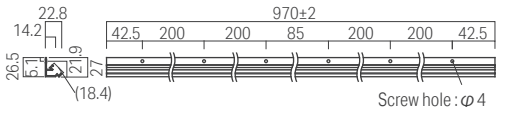


❷ 45° Mounting rail 1000 for Power FLEX

Model No : LFP-45RL1000
Material: AES

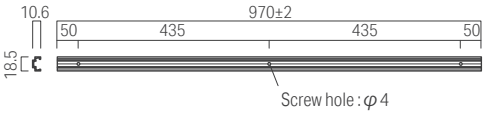
❺ Mounting clip for rail (5pcs) is included.





❸ Aluminum mounting rail 1000 for Power FLEX

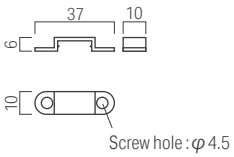
Model No : LFP-RL1000-AL



❹ Mounting clip for Power FLEX

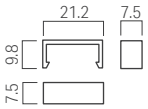
Model No : LFP-RC
5 pcs / bag

For curved installation



❺ Mounting clip for rail Attachments for ❶ & ❷

Model No : LFP-PT
For extra order, 5 pcs / bag

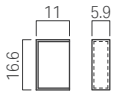


❻ End cap for Power FLEX

Model No : LFP-EC
Attached with LED fixture on request
2 pcs / bag per LED fixture

For sealing the open end of LED fixture after cutting.
Sealing glue is required to supply by installer.
Acrylic glue is recommended.

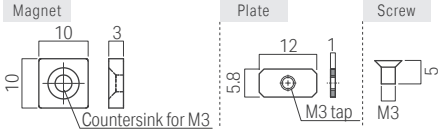
For extra order, 2 pcs / bag



❼ Magnet set for rail

Model No : MG-R
4 pcs / bag

Used for installing LED fixture with mounting rail ❶ or ❸ on metal plate.
Metal plate is required by installer.



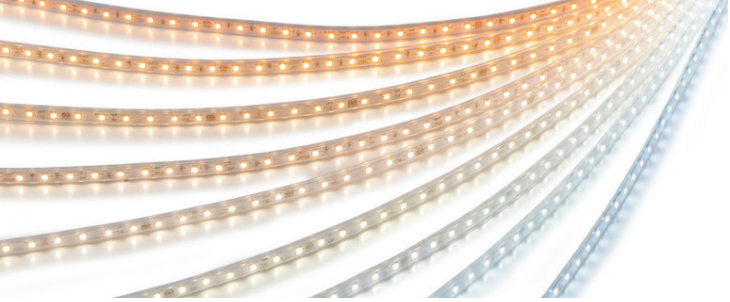
Installing the product P.50

LFP

Ritz Carlton Langkawi
Location:Malaysia
Architect office: Light moment
Photo:Zoom

Raikouji
Location: Japan
Architect office: Atelier Sotaro Yamamoto

Lighting Design: Nakajima Tatsuoki Lighting Design Laboratory Inc.
Construction: SATOHIDE CORPORATION
Photo: Shigeo Ogawa Studio



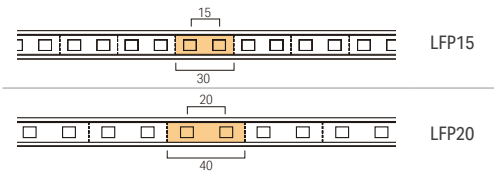
Luci Power FLEX

Luci's long-selling strip light best use for concealed light,
furniture and ceiling cove
Short unit lengths for delicate designs,
with easy custom length order and on-site adjustment

Specifications

Dimensions

LED pitch and cuttable unit length (mm)



Cross section	W 15 x H 4.5 mm
Standard length	1m with both ends open end wire
Custom order	up to 4.5m in LFP15 and 5m in LFP20 length at every the unit length with both ends or one end feed cable.

Cuttable luminaire at site at scissor mark. If a luminaire with a both side feed cable is cut, the left and right sides of the luminaire can be used separately, as if the luminaire were one side feed.

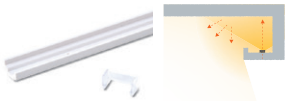
Color temperature

Min Bending radius

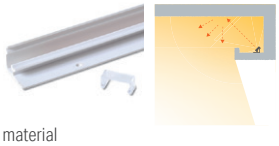
R 50mm in top (vertical) bend direction

Accessories

Mounting rail 1000 for Power FLEX



45°Mounting rail 1000 for Power FLEX



Easy to cut these rails at site as it's made by AES material

Electrical & Output

Model	LFP15	LFP20
Power Consumption (W/m)	15.4	10.5
Luminous flux @ 3000K (lm/m)	789	510

Soft acrylic tube

- Higher protection performance than bare LED strip against unexpected static electricity, external force and environmental factors which may cause damage to the circuit board and components.
- Long-lasting characteristics are maintained against deformation, discolouration, and deterioration certify by sunshine weather-resistant tests applied in the automotive industry.

Project reference

chagama Hong Kong
Location: Hong Kong
Client: MARUMO MORI Co.,Ltd.
Design: Sakai Design Associate
Product: LFP20 2700K Diffuser tube

The Warehouse Hotel Singapore
Location: Singapore
Lighting Design: Switch
Lighting Supplier: Brilink Associates
Product: LFP30 2400K

Nuo Hotel, Beijing
Location: Beijing
Lighting design: Illuminate Lighting Design
Photo: Kylie Hood
Product: LFP15 2700K

da GIORGIO
Location: Japan
Design: Haruo Furuuchi
Lighting Design: ModuleX Inc.
Architect office,Construction: Wood planning CO.LTD
Photo: Nacásа & Partners Inc.
Product: LFP20 3000K

Luci Power FLEX

LFP

Color management
ANSI BIN

3 years warranty

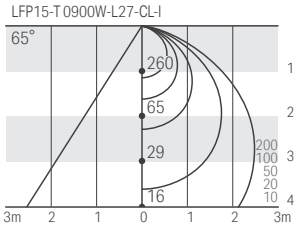
- Short cuttable unit (30mm in LFP15, 40mm in LFP20)
- 2 types of wattage and LED pitch: 15.4W/m (LFP15), 10.5W/m (LFP20)
- Covered with soft acrylic tube

Model No.

LFP□□ - T□□□□□ - □ - □ - I

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFP15 : 15mm pitch LFP20 : 20mm pitch	Custom order length P.65 W : Both ends S : One ends	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L19 : Warm white 1900K B : Blue	CL : Clear DF : Diffuser	I : Indoor

Light Intensity Refer to P.66



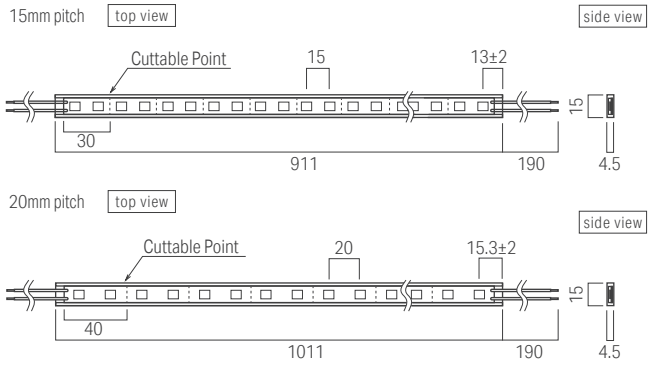
Specification @ Clear cover

LED pitch	15mm pitch	20mm pitch
Model No.	LFP15-T0900W-□-CL-I	LFP20-T1000W-□-CL-I
Power consumption	13.9W/900mm	10.5W/m
Fitting length	911mm	1011mm
Weight	55g	60g
Cuttable unit	30mm (2 LED)	40mm (2 LED)
Luminaire efficacy (2700K)	65.8 lm/W	62.6 lm/W
Light source color	◯ = Device inventory * = Equivalent ✳ = Please contact us since it is made-to-order products and has MOQ.	
D 7100K Ra90	✳ 875lm	✳ 698lm
N 5300K Ra90	✳ 875lm	✳ 639lm
W 4200K Ra90	◯ 818lm	◯ 667lm
WW 3500K Ra90	◯ 774lm	◯ 639lm
L30 3000K Ra90	◯ 710lm	◯ 579lm
L27 2700K Ra90	◯ 711lm	◯ 563lm
L24 2400K Ra90	◯ 608lm	◯ 459lm
L19 1900K Ra70	✳ -	✳ 512lm
B -	✳ -	✳ -

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	15 mm pitch : 4.5m 20 mm pitch : 5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachment	❼ End cap 2pcs
Option parts	❶❷❸❹ Mounting rail ❺❻ Mounting clip ❼ End cap ❽ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

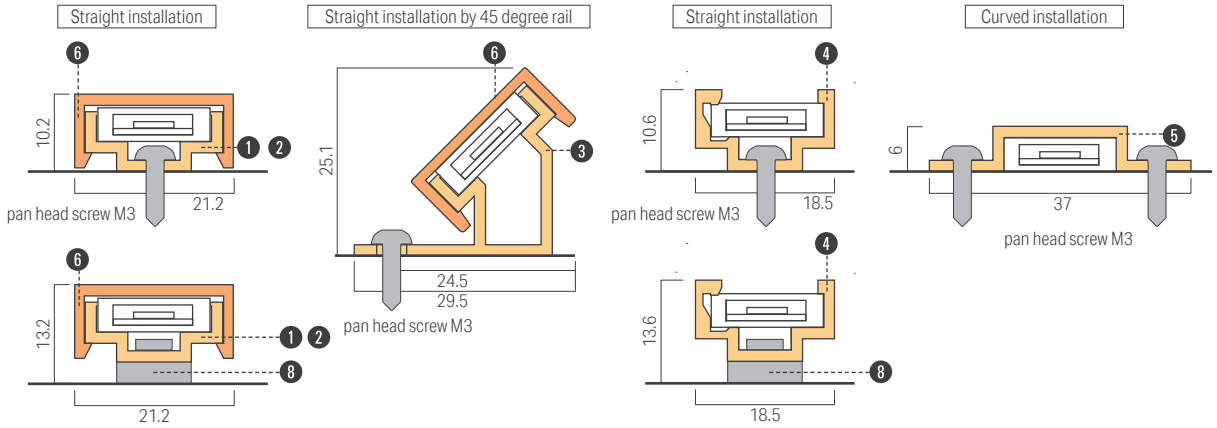


Max. connectable length per power supply

Length of LED fixture (70% loading factor)
*: split into multiple circuits

15mm pitch	20mm pitch	Power supply
~2.2m	~3.3m	50W power supply
~4.5m	~6.6m*	100W power supply
~6.8m*	~10m*	150W power supply

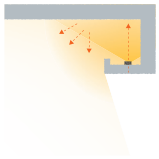
Cross sectional view when installing optional items

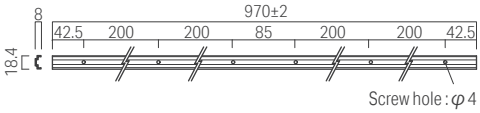


Option parts

1 Mounting rail 1000 for Power FLEX

Model No : LFP-RL1000
Material: AES
6 Mounting clip for rail (5pcs) is included.

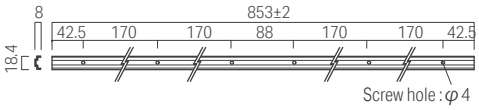




Screw hole : φ 4

2 Mounting rail 900 for Power FLEX

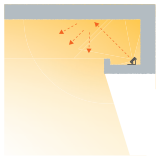
Model No : LFP-RL0900
6 Mounting clip for rail (5pcs) is included.

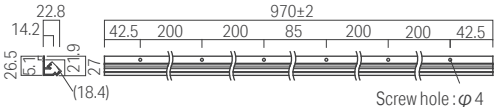


Screw hole : φ 4

3 45° Mounting rail 1000 for Power FLEX

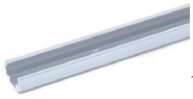
Model No : LFP-45RL1000
Material: AES
6 Mounting clip for rail (5pcs) is included.



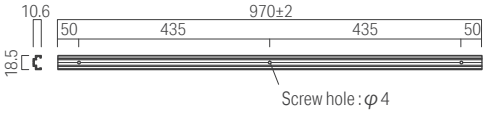


Screw hole : φ 4

4 Aluminum mounting rail 1000 for Power FLEX



Model No : LFP-RL1000-AL

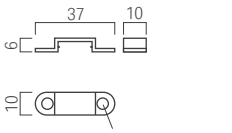


Screw hole : φ 4

5 Mounting clip for Power FLEX

Model No : LFP-RC
5 pcs / bag

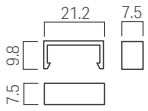
For curved installation



Screw hole : φ 4.5

6 Mounting clip for rail Attachments for 1 & 2 & 3

Model No : LFP-PT
For extra order, 5 pcs / bag

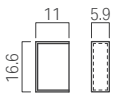


7 End cap for Power FLEX

Model No : LFP-EC
Attached with LED fixture on request
2 pcs / bag per LED fixture

For sealing the open end of LED fixture after cutting.
Sealing glue is required to supply by installer.
Acrylic glue is recommended.

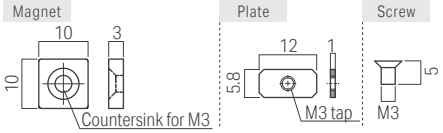
For extra order, 2 pcs / bag



8 Magnet set for rail

Model No : MG-R
4 pcs / bag

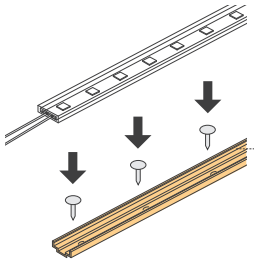
Used for installing LED fixture
with mounting rail 1 or 2 or 3 on metal plate.
Metal plate is required by installer.



Luci Power FLEX

Installing the product

Straight installation



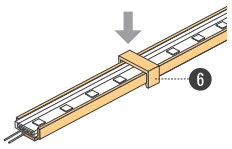
1 Mounting rail 1000 for Power FLEX (LFP-RL1000)

2 Mounting rail 900 for Power FLEX (LFP-RL0900)

4 Aluminum mounting rail 1000 for Power FLEX (LFP-RL1000-AL)

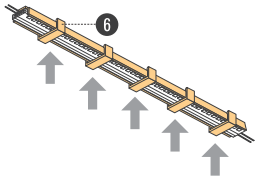
Pan head screws M3 recommended.

Cove lighting



6 Mounting clip for rail (LFP-PT)

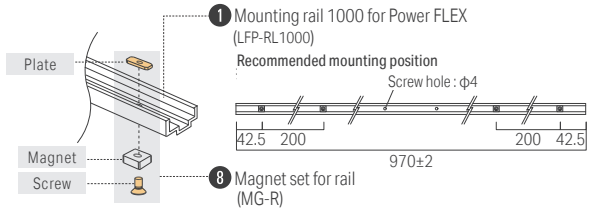
Cornice lighting



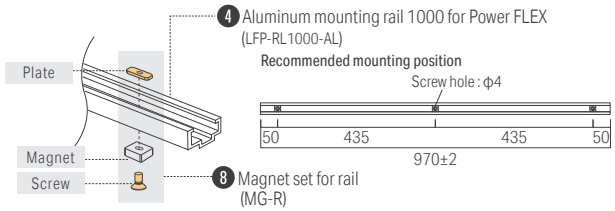
For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m
* In case of Aluminum mounting rail 1000 for Power FLEX, Mounting clip for rail is not necessary.

Magnet Installation

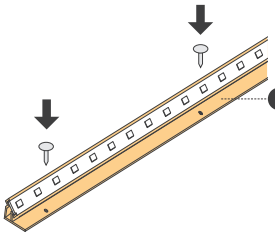
Mounting rail 1000 for Power FLEX



Aluminum mounting rail 1000 for Power FLEX



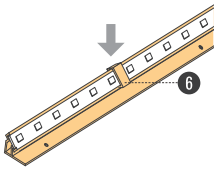
Straight installation by 45 degree rail



3 45° Mounting rail 1000 for Power FLEX (LFP-45RL1000)

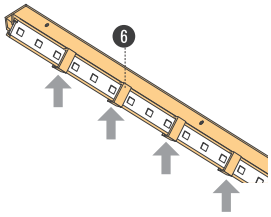
Pan head screws M3 recommended.

Cove lighting



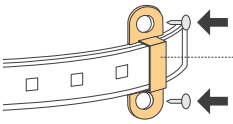
6 Mounting clip for rail (LFP-PT)

Cornice lighting



For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m

Curved installation

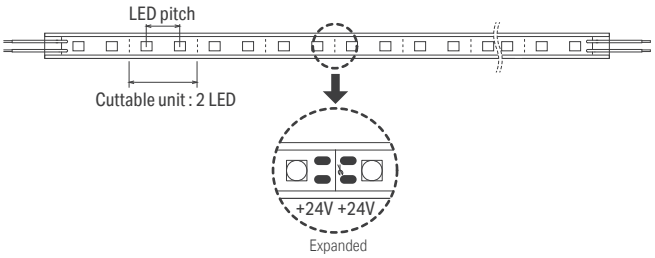


5 Mounting clip for Power FLEX (LFP-RC)

Pan head screws M3 recommended.

Minimum bending radius

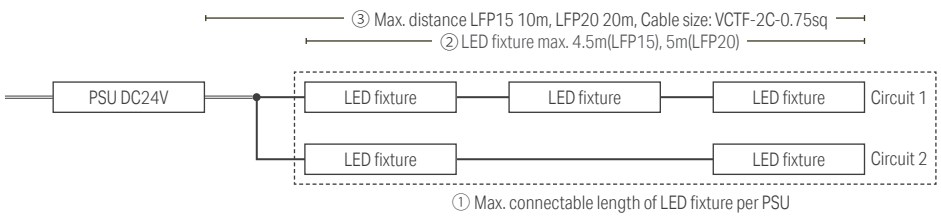
Cutting of lamp fitting



The cuttable unit of Luci Power FLEX is 2 LEDs.

Cutting the LED fixture at the wrong point may cause failure or a non-lit. End caps are required to seal the open end of the LED fixture after cutting. Acrylic adhesive is recommended. Do not solder cables to the circuit board of the cut LED fixture.

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci Power FLEX Indoor -Custom order-

Model No.

LFP□□ - T□□□□ □ - □ - □ - I

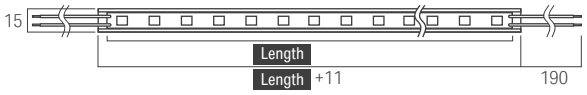
LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment
15 15mm Pitch 20 20mm Pitch	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire	D Daylight white 7100K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K L19 Warm white 1900K 1900K B Blue Blue	CL Clear DF Diffuser	I Indoor

External dimension

Luci Power FLEX Indoor / W Both ends lead wire

LFP□□ - T□□□□W - □ - □ - I

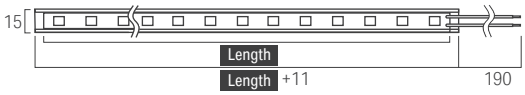
Pitch / Length / Color / Tube



Luci Power FLEX Indoor / S One end lead wire

LFP□□ - T□□□□S - □ - □ - I

Pitch / Length / Color / Tube



- The lead wires are delivered without connectors. Contact us if indoor connectors are needed.

Custom order products size

Luci Power FLEX 15mm pitch (15.4 W/m)				
Corresponds to Length of Model No. and External dimensions				
0030	0930	1830	2730	3630
0060	0960	1860	2760	3660
0090	0990	1890	2790	3690
0120	1020	1920	2820	3720
0150	1050	1950	2850	3750
0180	1080	1980	2880	3780
0210	1110	2010	2910	3810
0240	1140	2040	2940	3840
0270	1170	2070	2970	3870
0300	1200	2100	3000	3900
0330	1230	2130	3030	3930
0360	1260	2160	3060	3960
0390	1290	2190	3090	3990
0420	1320	2220	3120	4020
0450	1350	2250	3150	4050
0480	1380	2280	3180	4080
0510	1410	2310	3210	4110
0540	1440	2340	3240	4140
0570	1470	2370	3270	4170
0600	1500	2400	3300	4200
0630	1530	2430	3330	4230
0660	1560	2460	3360	4260
0690	1590	2490	3390	4290
0720	1620	2520	3420	4320
0750	1650	2550	3450	4350
0780	1680	2580	3480	4380
0810	1710	2610	3510	4410
0840	1740	2640	3540	4440
0870	1770	2670	3570	4470
0900	1800	2700	3600	4500

Luci Power FLEX 20mm pitch (10.5 W/m)				
Corresponds to Length of Model No. and External dimensions				
0040	1040	2040	3040	4040
0080	1080	2080	3080	4080
0120	1120	2120	3120	4120
0160	1160	2160	3160	4160
0200	1200	2200	3200	4200
0240	1240	2240	3240	4240
0280	1280	2280	3280	4280
0320	1320	2320	3320	4320
0360	1360	2360	3360	4360
0400	1400	2400	3400	4400
0440	1440	2440	3440	4440
0480	1480	2480	3480	4480
0520	1520	2520	3520	4520
0560	1560	2560	3560	4560
0600	1600	2600	3600	4600
0640	1640	2640	3640	4640
0680	1680	2680	3680	4680
0720	1720	2720	3720	4720
0760	1760	2760	3760	4760
0800	1800	2800	3800	4800
0840	1840	2840	3840	4840
0880	1880	2880	3880	4880
0920	1920	2920	3920	4920
0960	1960	2960	3960	4960
1000	2000	3000	4000	5000

Color temperature of diffuser tube type

Nominal light source color temperature		Color temperature through diffuser tube *1
D	7100 K	4300 K
N	5300 K	3800 K
W	4200 K	3300 K
WW	3500 K	2800 K
L30	3000 K	2500 K
L27	2700 K	2200 K
L24	2400 K	1900 K

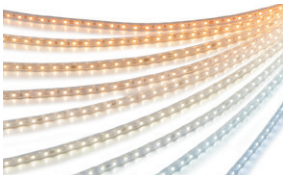
*1:
The optical data provided above is for reference only. Due to the tolerances of the production process, values for color temperature can vary ±10%. The lumen output value of the diffuser tube type is 20~30% less than the clear tube type.

In addition, non-uniform color among each package may be more pronounced when using the diffuser tube.

Clear tube

Diffuser tube

Illuminance data



LFP15

Luci Power FLEX 15mm pitch

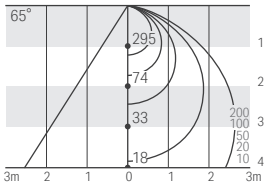
Color temparature

7100K 5300K 4200K 3500K 3000K 2700K 2400K 1900K Blue

Direct horizontal surface light intensity distribution chart

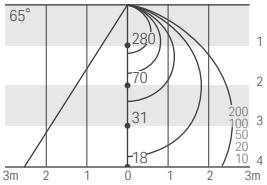
LFP15-T0900W-W-CL-I

Light source color	4200K
Brightness	295 cd
Luminous flux	818 lm
Color rendering index	Ra 90



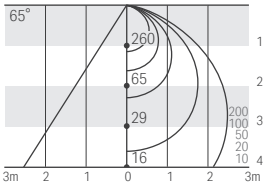
LFP15-T0900W-WW-CL-I

Light source color	3500K
Brightness	280 cd
Luminous flux	774 lm
Color rendering index	Ra 90



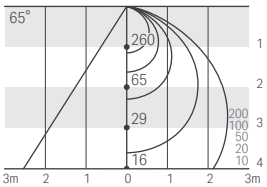
LFP15-T0900W-L30-CL-I

Light source color	3000K
Brightness	260 cd
Luminous flux	710 lm
Color rendering index	Ra 90



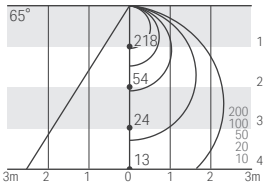
LFP15-T0900W-L27-CL-I

Light source color	2700K
Brightness	260 cd
Luminous flux	711 lm
Color rendering index	Ra 90



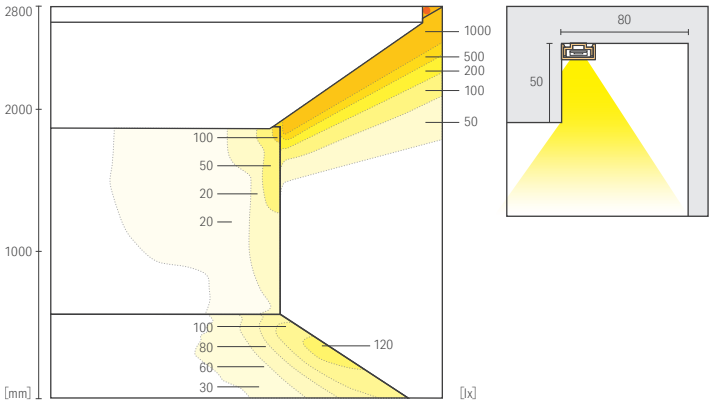
LFP15-T0900W-L24-CL-I

Light source color	2400K
Brightness	218 cd
Luminous flux	608 lm
Color rendering index	Ra 90

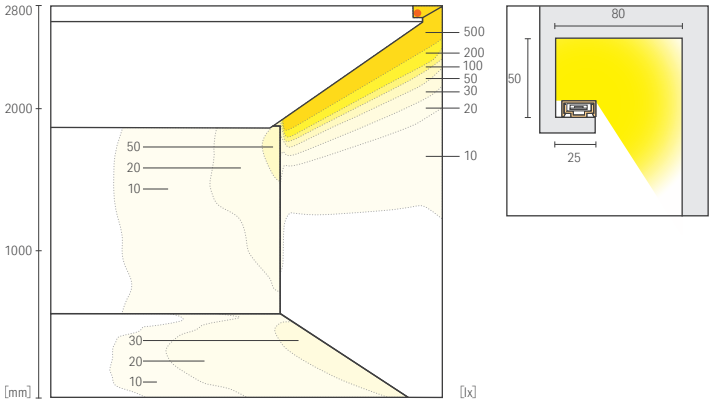


Recommendend dimensions and illumination distribuitions @2700K

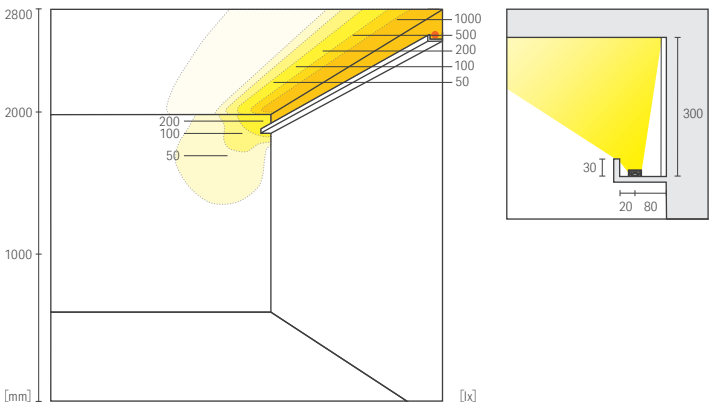
Cornice lighting-1 CH=2800



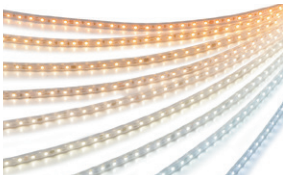
Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data



LFP20

Luci Power FLEX 20mm pitch

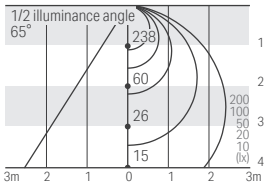
Color temparature

7100K 5300K 4200K 3500K 3000K 2700K 2400K 1900K Blue

Direct horizontal surface light intensity distribution chart

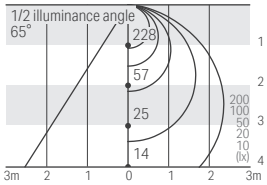
LFP20-T1000W-W-CL-I

Light source color	4200K
Brightness	238 cd
Luminous flux	667 lm
Color rendering index	Ra 90



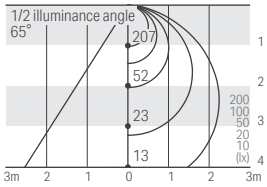
LFP20-T1000W-WW-CL-I

Light source color	3500K
Brightness	228 cd
Luminous flux	639 lm
Color rendering index	Ra 90



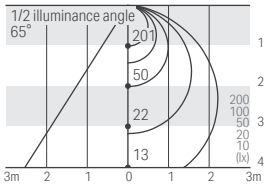
LFP20-T1000W-L30-CL-I

Light source color	3000K
Brightness	207 cd
Luminous flux	579 lm
Color rendering index	Ra 90



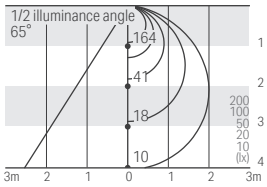
LFP20-T1000W-L27-CL-I

Light source color	2700K
Brightness	201 cd
Luminous flux	563 lm
Color rendering index	Ra 90



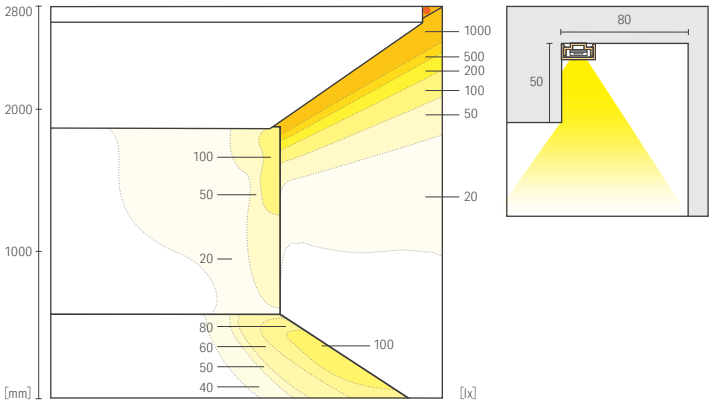
LFP20-T1000W-L24-CL-I

Light source color	2400K
Brightness	164 cd
Luminous flux	459 lm
Color rendering index	Ra 90

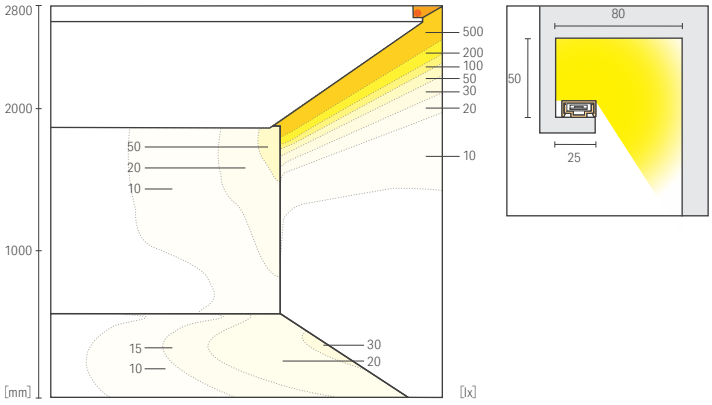


Recommendend dimensions and illumination distribuitions @2700K

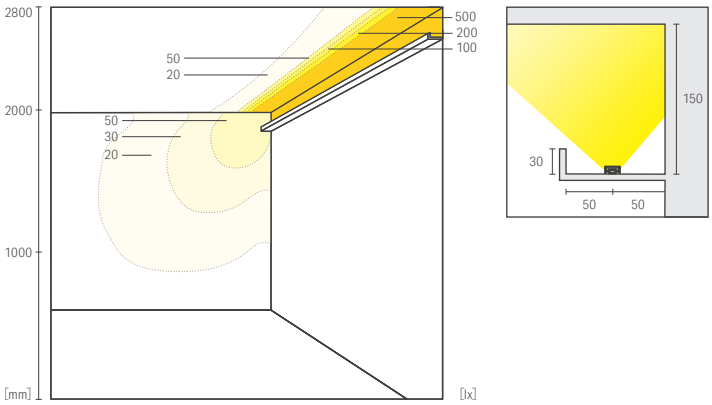
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



LFPTH

RENEWAL

En WEDDING chapel
Location: Japan
Architect office: lab.co.ltd
Construction: GF.inc
Photograph from: Queserser & Company

Ito-Yokado Abeno
Location: Japan
Architect office: Yoshichu-Mannequin GRID
Construction: Yoshichu-Mannequin
Lighting Design: Luminous

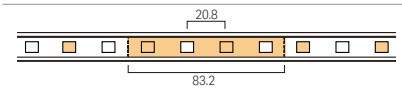
Luci Power FLEX THOF

Tunable white strip light with two CCT LEDs alternating at narrow pitch ideal for concealed or backlight
Free choice of two different CCTs efficiently emphasizing, design intent, ambiance, and circadian lighting.

Specifications

Dimensions

LED pitch and cuttable unit length (mm)

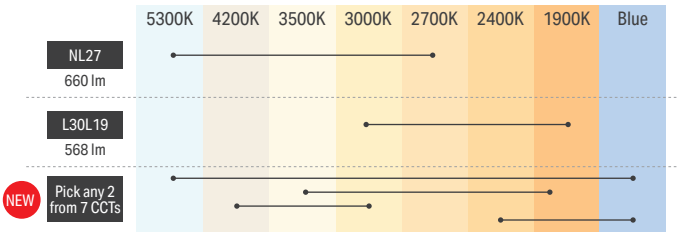


LFPTH20

Cross section	W 15 x H 4.5 mm
Standard length	1m with both ends open end wire
Custom order	up to 5m lengths at every unit length with both ends or one end feed cable

Cuttable luminaire at site at scissor mark. If a luminaire with a both side feed cable is cut, the left and right sides of the luminaire can be used separately, as if the luminaire were one side feed.

Color temperature



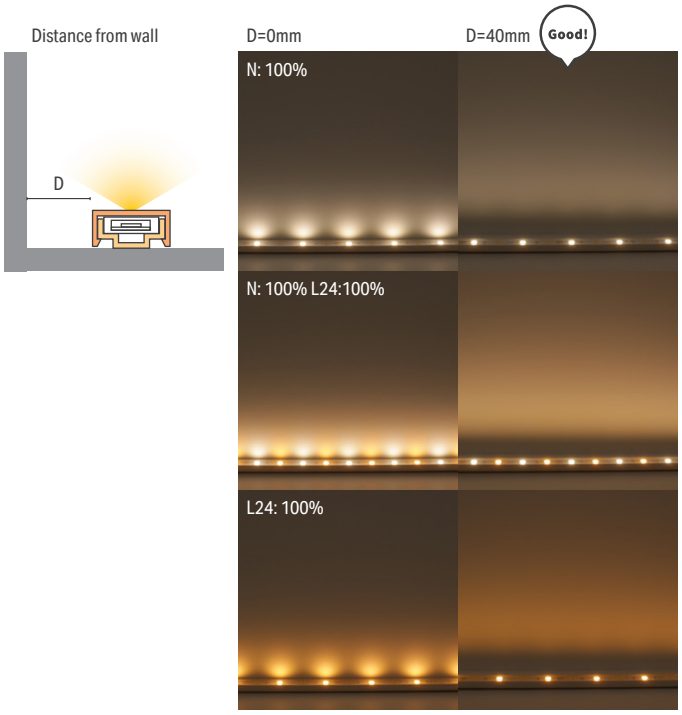
Electrical & Output

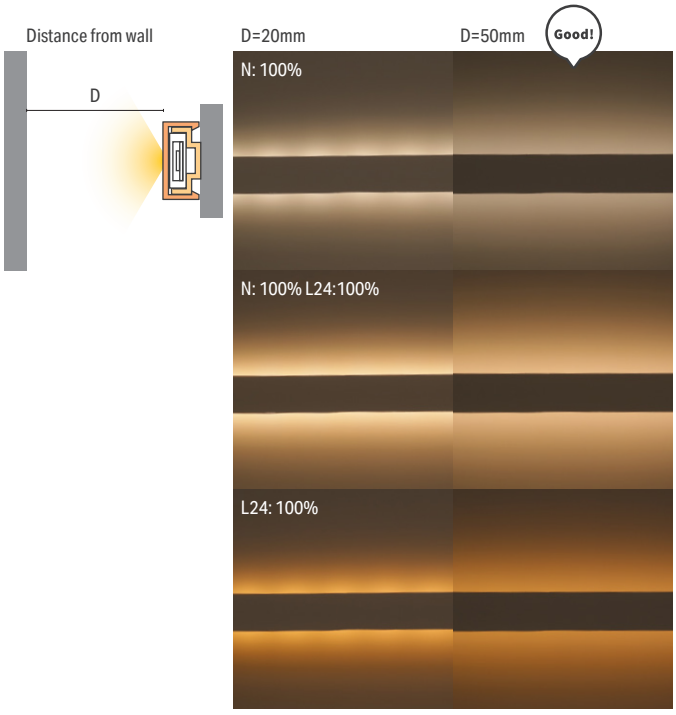
Model	LFPTH20	
Power Consumption (W/m)	11	
Luminous flux (lm/m)	660	@ 5300K 100% 2700K 100%

Min Bending radius

R 50mm in top (vertical) bend direction

TIPS - Recommened distance





Project reference

Karumaru Ikebukuro
Location: Japan
Archilecl office: Hashimoto Yukio Design Studio Inc.
Lighting design: Illumination of City Environment, Ltd.
Photo: Nacasa & Partners Inc.

TOKYO MIDTOWN HIBIYA
Location: Japan
Architect office: NOMURA Co., Ltd.
Lighting Design: Noosa Design Co., Ltd.
Construction: KAJIMA CORPORATION
Photo: Mitsui Fudosan Co., Ltd.

Luci Power FLEX THOF

LFPTH RENEWAL

Color management
ANSI BIN

3 years warranty

- For Dynamic white or Dim-to-Warm application
- Arranging 2 colors of LED package alternately
- Free to select 2 CCTs from 7 CCTs

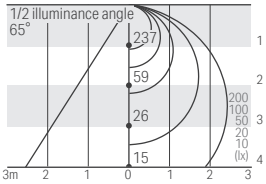
Model No.

LFPTH20 - T□□□□□ - □□ - CL - I

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFPTH20 : 20mm pitch	Custom order length W : Both ends S : One ends	Higher CCT | Lower CCT Select 2 CCTs N : 5300K W : 4200K WW : 3500K L30 : 3000K L27 : 2700K L24 : 2400K L21 : 2100K L19 : 1900K B : Blue	CL : Clear	I : Indoor

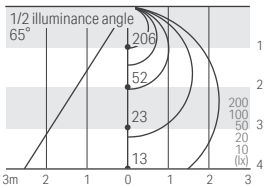
Light Intensity Refer to P.73

LFPTH20-1000-NL27-CL-I



Light source color
3500K equivalent N:100%, L27:100%

LFPTH20-1000-L30L19-CL-I



Light source color
2400K equivalent L30:100%, L19:100%

Specification

LED pitch	20mm pitch		
Model No.	LFPTH20-T□□□□ □-□□-CL-I		
Power consumption	11W/m (Max)		
Fitting length(L)	1011mm		
Weight	55g		
Cuttable unit	83.2mm (4 LED)		
Luminaire efficacy (N 100%, L27 100%)	76.4 lm/W		
Light source color	○ = Device inventory * = Equivalent ＊ = Please contact us since it is made-to-order products and has MOQ.		
NL27	○		
L30L19	＊		
Dimming rate			
NL27 5300K~2700K	N 100%, L27 0% Ra89 ○ 360lm	N 100%, L27 100% Ra90 ○ 660lm	N 0%, L27 100% Ra86 ○ 326lm
L30L19 3000K~1900K	L30 100%, L19 0% Ra89 ＊ 322lm	L30 100%, L19 100% Ra80 ＊ 568lm	L30 0%, L19 100% Ra65 ＊ 262lm

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only;
the data values are not guaranteed. Please use as reference materials for your planning.

Custom order length

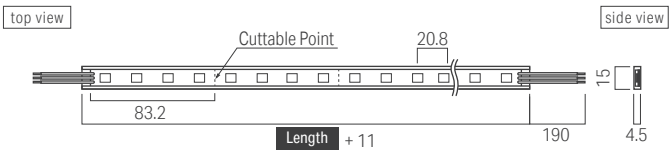
Luci Power FLEX THOF Corresponds to Length of Model No. and External dimensions				
0083	1082	2080	3078	4077
0166	1165	2163	3162	4160
0250	1248	2246	3245	4243
0333	1331	2330	3328	4326
0416	1414	2413	3411	4410
0499	1498	2496	3494	4493
0582	1581	2579	3578	4576
0666	1664	2662	3661	4659
0749	1747	2746	3744	4742
0832	1830	2829	3827	4826
0915	1914	2912	3910	4909
1000	2000	3000	4000	5000

General Specification

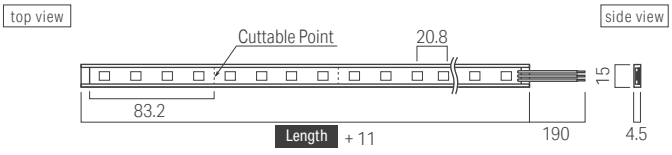
Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachment	❼ End cap 2pcs
Option parts	❶❷❸❹ Mounting rail ❺❻ Mounting clip ❼ End cap ❽ Magnet
Certification	CE, BIS
Dimmable	Yes (Dynamic white driver is required)
Power Supplies	Required

External dimensions

Luci Power FLEX THOF Indoor / W Both ends lead wire



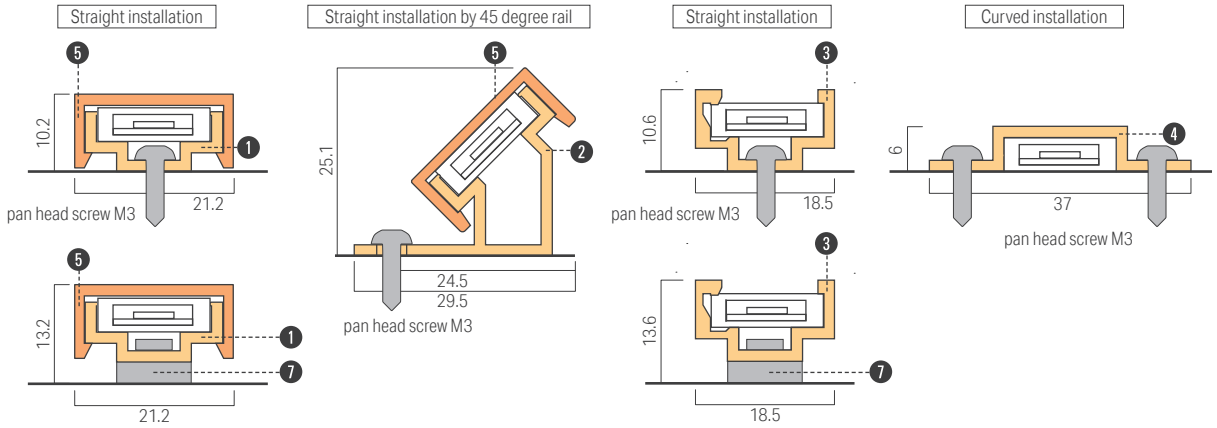
Luci Power FLEX THOF Indoor / S One end lead wire



Max. connectable length per power supply

Length of LED fixture (70% loading factor) During dimmer use *: split into multiple circuits	Power supply
~3.3m	50W power supply
~6.6m*	100W power supply
~10m*	150W power supply

Cross sectional view when installing optional items

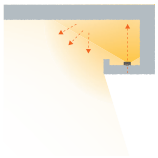


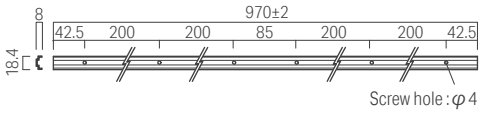
Option parts

❶ Mounting rail 1000 for Power FLEX

Model No : LFP-RL1000
Material: AES

❺ Mounting clip for rail (5pcs) is included.

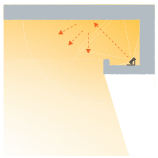


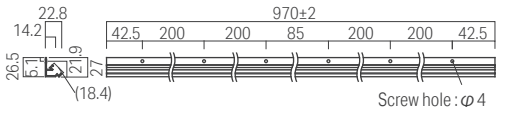


❷ 45° Mounting rail 1000 for Power FLEX

Model No : LFP-45RL1000
Material: AES

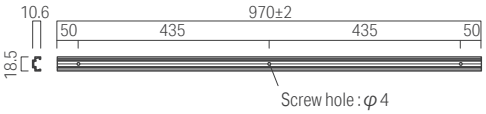
❺ Mounting clip for rail (5pcs) is included.





❸ Aluminum mounting rail 1000 for Power FLEX

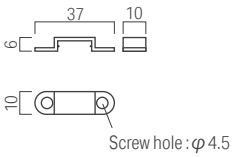
Model No : LFP-RL1000-AL



❹ Mounting clip for Power FLEX

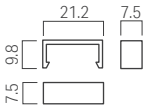
Model No : LFP-RC
5 pcs / bag

For curved installation



❺ Mounting clip for rail Attachments for ❶ & ❷

Model No : LFP-PT
For extra order, 5 pcs / bag

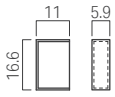


❻ End cap for Power FLEX

Model No : LFP-EC
Attached with LED fixture on request
2 pcs / bag per LED fixture

For sealing the open end of LED fixture after cutting.
Sealing glue is required to supply by installer.
Acrylic glue is recommended.

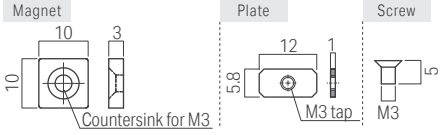
For extra order, 2 pcs / bag



❼ Magnet set for rail

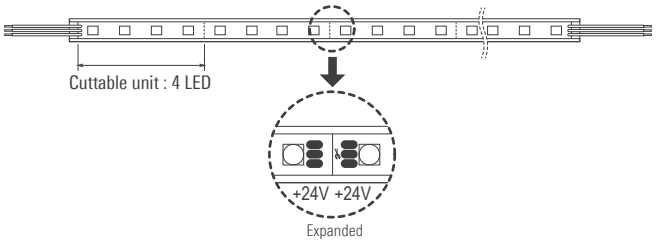
Model No : MG-R
4 pcs / bag

Used for installing LED fixture with mounting rail ❶ or ❸ on metal plate.
Metal plate is required by installer.



Luci Power FLEX THOF

Cutting of lamp fitting

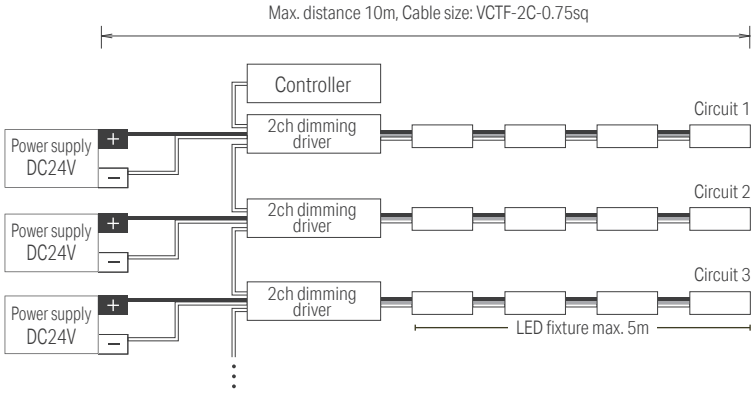


The cuttable unit of Luci Power FLEX THOF is 4 LEDs.

Cutting the LED fixture at the wrong point may cause failure or a non-lit. End caps are required to seal the open end of the LED fixture after cutting. Acrylic adhesive is recommended. Do not solder cables to the circuit board of the cut LED fixture.

System configuration diagram

- Max. connectable total length of LED fixture per driver depends on the capacity of the driver and power supply.
- Max. length per circuit of Luci Power FLEX THOF is 5m. If it exceeds 5m, please split into multiple circuits.
- Max. distance from the power supply to the end of LED fixture is 10 m.
- Use an appropriate signal cable and install it according to the instructions caution of the signal cable installation.



For DC24V Dynamic white series	DIM-S2L8V-0	Constant Voltage - Dimmable driver (DC input) - 2ch	0-10V/1-10V Driver 8A, 2ch	EUCHIPS

Specification

Product name	12-24VDC 0-10V analog constant voltage led dimmer
Model number	DIM-S2L8V-0
Input voltage	12V - 24V
Output channel	2ch total 8A
Size	167*51*23(mm)
Weight	100g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temprature	-20℃ ~ 70℃

Connectable length per dimmer driver (DIM-S2L8V-0)

*ex. when using 150W PSU, 60% load factor

Model No.	Output (W/m)	Max. length per circuit (m)	Connectable length per driver (m)	W (VA)
LFPTH-1000-*-CL-I	11	5	8.1	105

For Dynamic white series	Walldim 202	Dimmer controller - 2ch	2ch Multi Function Panel Controller	EUCHIPS

Specification

Product name	Multi-Function Touch Panel Controller
Model number	Walldim202
Input voltage	12V - 15V
Output channel	50mA 2ch
Size	86*86*26(mm)
Weight	140g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temprature	-10℃ ~ 40℃

* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver.
The specification may be subject to change without prior notice.

Illuminance data

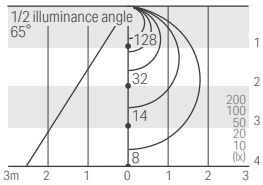
LFPTH20
Luci Power FLEX THOF®

Color temparature

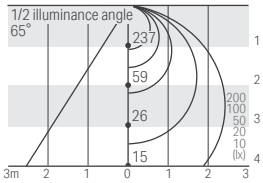
5300K~2700K

Direct horizontal surface light intensity distribution chart

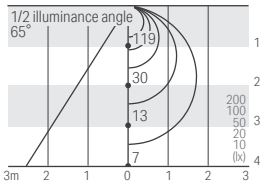
LFPTH20-1000-NL27-CL-I
Light source color 5300K
N:100%, L27:0%
Brightness 128 cd
Luminous flux 360 lm
Color rendering index Ra 89



LFPTH20-1000-NL27-CL-I
Light source color 3500K equivalent
N:100%, L27:100%
Brightness 237 cd
Luminous flux 660 lm
Color rendering index Ra 90



LFPTH20-1000-NL27-CL-I
Light source color 2700K
N:0%, L27:100%
Brightness 119 cd
Luminous flux 326 lm
Color rendering index Ra 86



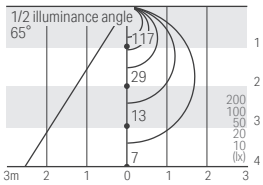
LFPTH20
Luci Power FLEX THOF®

Color temparature

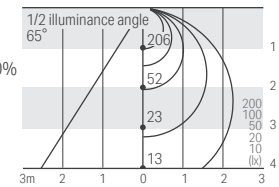
3000K-1900K

Direct horizontal surface light intensity distribution chart

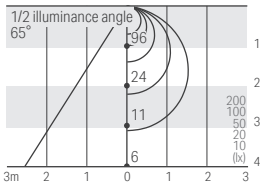
LFPTH20-1000-L30L19-CL-I
Light source color 3000K
L30:100%, L19:0%
Brightness 117 cd
Luminous flux 322 lm
Color rendering index Ra 89



LFPTH20-1000-L30L19-CL-I
Light source color 2400K equivalent
L30:100%, L19:100%
Brightness 206 cd
Luminous flux 568 lm
Color rendering index Ra 80



LFPTH20-1000-L30L19-CL-I
Light source color 1900K
L30:0%, L19:100%
Brightness 96 cd
Luminous flux 262 lm
Color rendering index Ra 65



CRI and luminous flux data for each CCT combination

Light source color	Ratio of output				Ra	lm
N W	N	100%	W	0%	89	360
		100%		100%	90	658
		0%		100%	87	348
N WW	N	100%	WW	0%	89	360
		100%		100%	90	666
		0%		100%	87	333
N L30	N	100%	L30	0%	89	360
		100%		100%	90	642
		0%		100%	87	319
N L27	N	100%	L27	0%	89	360
		100%		100%	90	660
		0%		100%	86	326
N L24	N	100%	L24	0%	89	360
		100%		100%	92	611
		0%		100%	86	291
N L21	N	100%	L21	0%	89	360
		100%		100%	85	621
		0%		100%	67	291
N B	N	100%	B	0%	89	360
		100%		100%	58	389
		0%		100%	-	60
W WW	W	100%	WW	0%	87	348
		100%		100%	89	676
		0%		100%	87	333
W L30	W	100%	L30	0%	87	348
		100%		100%	89	663
		0%		100%	87	319
W L27	W	100%	L27	0%	87	348
		100%		100%	89	642
		0%		100%	86	326
W L24	W	100%	L24	0%	87	348
		100%		100%	89	625
		0%		100%	86	291
W L21	W	100%	L21	0%	87	348
		100%		100%	83	637
		0%		100%	67	291
W B	W	100%	B	0%	87	348
		100%		100%	58	407
		0%		100%	-	60
WW L30		100%		0%	87	333
	WW	100%	L30	100%	88	627
		0%		100%	87	319
WW L27		100%		0%	87	333
	WW	100%	L27	100%	88	625
		0%		100%	86	326
WW L24		100%		0%	87	333
	WW	100%	L24	100%	88	622
		0%		100%	86	291
WW L21		100%		0%	87	333
	WW	100%	L21	100%	81	618
		0%		100%	67	291
WW B		100%		0%	87	333
	WW	100%	B	100%	51	387
		0%		100%	-	60
L30 L27		100%		0%	87	319
	L30	100%	L27	100%	85	611
		0%		100%	86	326
L30 L24		100%		0%	87	319
	L30	100%	L24	100%	86	606
		0%		100%	86	291
L30 L21		100%		0%	87	319
	L30	100%	L21	100%	79	600
		0%		100%	67	291
L30 B		100%		0%	87	319
	L30	100%	B	100%	46	378
		0%		100%	-	60
L27 L24		100%		0%	86	326
	L27	100%	L24	100%	86	581
		0%		100%	86	291
L27 L21		100%		0%	86	326
	L27	100%	L21	100%	77	590
		0%		100%	67	291
L27 B		100%		0%	86	326
	L27	100%	B	100%	40	365
		0%		100%	-	60
L24 L21		100%		0%	86	291
	L24	100%	L21	100%	77	574
		0%		100%	67	291
L24 B		100%		0%	86	291
	L24	100%	B	100%	29	350
		0%		100%	-	60
L21 B		100%		0%	67	291
	L21	100%	B	100%	35	349
		0%		100%	-	60

LFTF

JP Resort Izukogen
Location: Japan
Lighting design: sola associates
Construction: TAISEI CORPORATION
Photo: Yasuyuki Akiba

Hotel Stage
Location: Hong Kong
Interior design: JOPPA
Lighting design: LIGHTLINKS INTERNATIONAL LIMITED

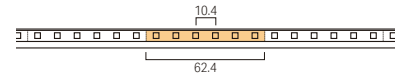
Luci Flat FLEX F

Low power strip light with narrow LED pitch
ideal for cove & joinery lighting.
Transparent soft acrylic tube for high efficiency,
easy installation and maintenance

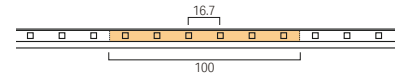
Specifications

Dimensions

LED pitch and cuttable unit length (mm)



LFTF10



LFTF16

Cross section	W 10 x H 4 mm
Standard length	1m with both ends open end wire
Custom order	up to 5m lengths at every unit length with both ends or one end feed cable

Cuttable luminaire at site at scissor mark. If a luminaire with a both side feed cable is cut, the left and right sides of the luminaire can be used separately, as if the luminaire were one side feed.

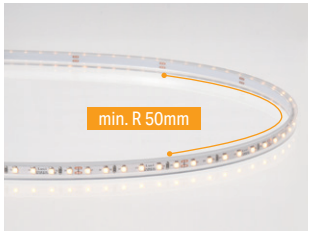
Color temperature

7100K | 5300K | 4200K | 3500K | 3000K | 2700K | 2400K

Ra 90

Min Bending radius

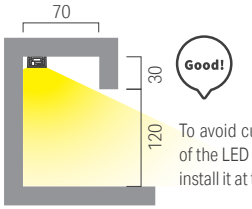
R 50mm in top (vertical) bend direction



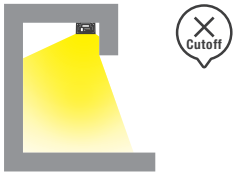
Electrical & Output

Model	LFTF10	LFTF16
Power Consumption (W/m)	3.9	2.5
Luminous flux @ 3000K (lm/m)	300	187

TIPS: Footlight

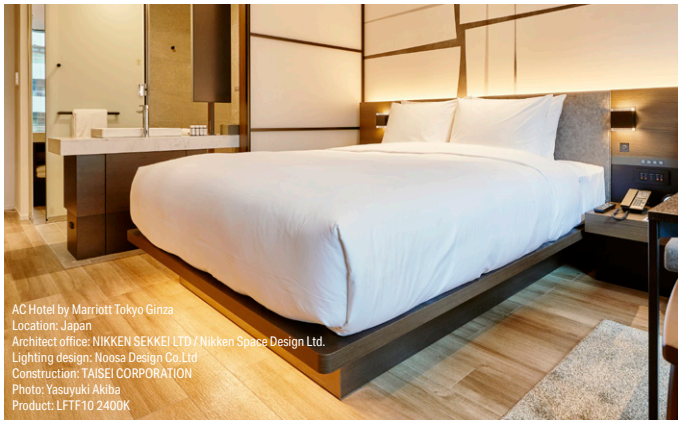


To avoid cutoff lines, aline the top of the LED with the fascia height or install it at the far corner.



Project reference

Hotel Stage
Location: Hong Kong
Interior design: JOPPA
Lighting design: LIGHTLINKS INTERNATIONAL LIMITED
Product: LFTF10 2700K



AC Hotel by Marriott Tokyo Ginza
Location: Japan
Architect office: NIKKEN SEKKEI LTD / Nikken Space Design Ltd.
Lighting design: Noosa Design Co.Ltd
Construction: TAISEI CORPORATION
Photo: Yasuyuki Akiba
Product: LFTF10 2400K

Luci Flat FLEX F

LFTF

Color management
ANSI BIN

3 years warranty

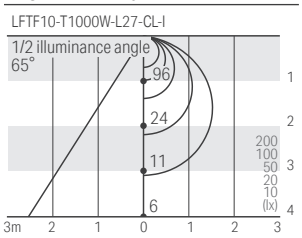
- Narrow LED pitch (10 or 16mm) suitable for limited space installation
- 2 types of wattage and LED pitch (3.9 W/m, 2.5 W/m)
- Customized length available up to 5m per roll

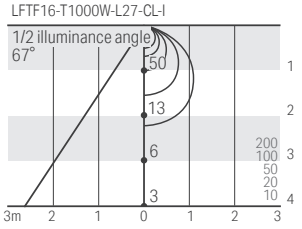
Model No.

LFTF□□ - T□□□□□ - □ - □ - I

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFTF10 : 10mm pitch LFTF16 : 16mm pitch	Custom order length P.79 W : Both ends S : One ends	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K	CL : Clear DF : Diffuser	I : Indoor

Light Intensity Refer to P.78





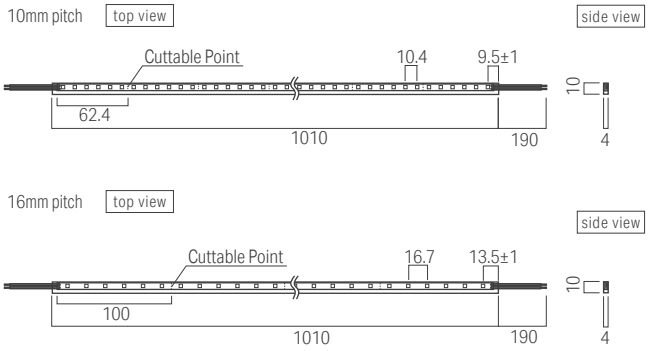
Specification @ Clear cover

LED pitch			10mm pitch		16mm pitch	
Model No.			LFTF10-T1000W-□-CL-I		LFTF16-T1000W-□-CL-I	
Power consumption			3.9W/m		2.5W/m	
Fitting length			1010mm		1010mm	
Weight			40g		40g	
Cuttable unit			62.4mm (6 LED)		100mm (6 LED)	
Luminaire efficacy (2700K)			72.3 lm/W		70.4 lm/W	
Light source color			◯ = Device inventory * = Equivalent ✳ = Please contact us since it is made-to-order products and has MOQ.			
D	7100K	Ra 94	✳	324 lm	✳	-
N	5300K	Ra 94	✳	329 lm*	✳	-
W	4200K	Ra 90	◯	294 lm	◯	-
WW	3500K	Ra 90	◯	305 lm	◯	-
L30	3000K	Ra 90	◯	300 lm	◯	187 lm*
L27	2700K	Ra 87	◯	282 lm	◯	176 lm*
L24	2400K	Ra 83	◯	229 lm*	◯	143 lm*
L19	1900K		-		-	

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachment	❹ End cap 2pcs
Option parts	❶ Mounting rail ❷❸ Mounting clip ❹ End cap ❺ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

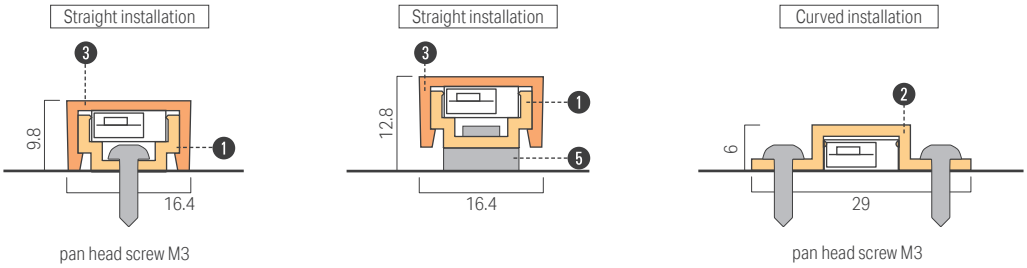
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits		
10mm pitch	16mm pitch	Power supply
~9m*	~14m*	50W power supply
~18m*	~28m*	100W power supply
~27m*	~42m*	150W power supply

Cross sectional view when installing optional items

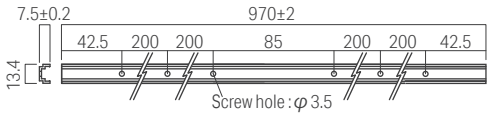


Option parts

❶ Mounting rail 1000 for Flat FLEX

Model No : LFT-RL1000
Material : AES

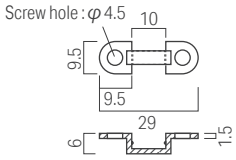
❸ Mounting clip for rail (5pcs) is included.



❷ Mounting clip for Flat FLEX

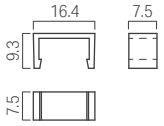
Model No : LFT-RC
10 pcs / bag

For curved installation



❸ Mounting clip for rail Attachment for ❶

Model No : LFT-PT
For extra order, 5 pcs / bag

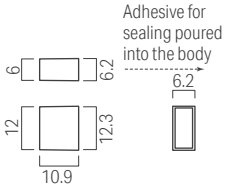


❹ End cap for α Flat

Model No : LFX-EC
Attached with LED fixture on request
2 pcs / bag per LED fixture

For sealing the open end of LED fixture after cutting.
Sealing glue is required to supply by installer.
Acrylic glue is recommended.

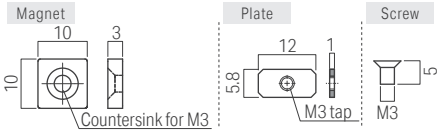
For extra order,
10 pcs / bag



❺ Magnet set for rail

Model No : MG-R
4 pcs / bag

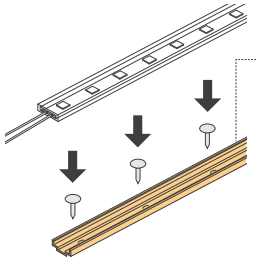
Used for installing LED fixture
with mounting rail ❶ on metal plate.
Metal plate is required by installer.



Luci Flat FLEX F

Installing the product

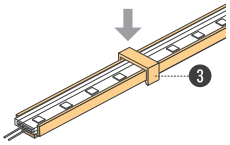
Straight installation



❶ Mounting rail 1000 for Flat FLEX
(LFT-RL1000)

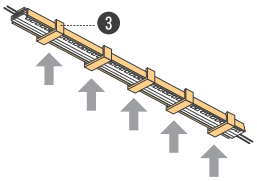
Pan head screws M3 recommended.

Cove lighting



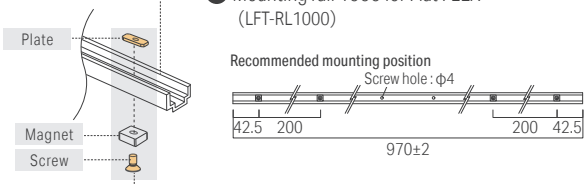
❸ Mounting clip for rail
(LFT-PT)

Cornice lighting



For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m

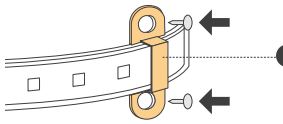
Magnet Installation



❶ Mounting rail 1000 for Flat FLEX
(LFT-RL1000)

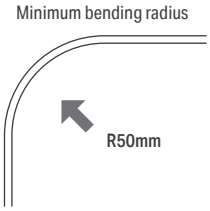
❺ Magnet set for rail
(MG-R)

Curved installation

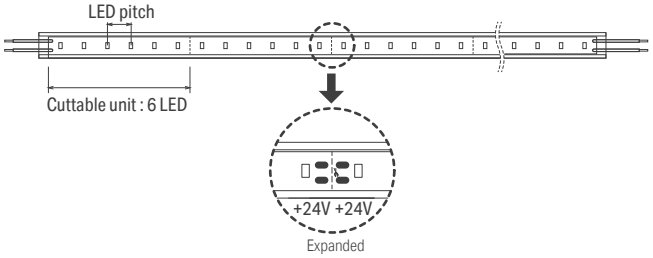


❷ Mounting clip for Flat FLEX
(LFT-RC)

Pan head screws M3 recommended.



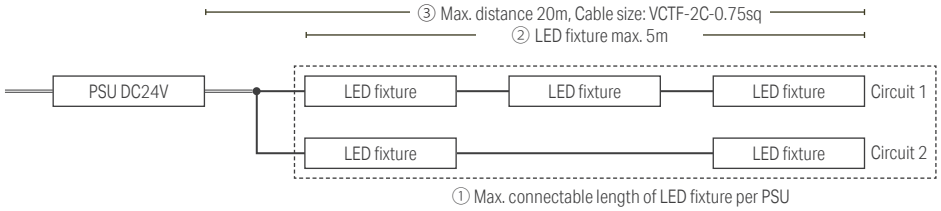
Cutting of lamp fitting



The cuttable unit of Luci Flat FLEX F is 6 LEDs.

Cutting the LED fixture at the wrong point may cause failure or a non-lit. End caps are required to seal the open end of the LED fixture after cutting. Acrylic adhesive is recommended. Do not solder cables to the circuit board of the cut LED fixture.

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci Flat FLEX F Indoor -Custom order-

Model No.

LFTF□□ - T□□□□ □ - □ - □ - I

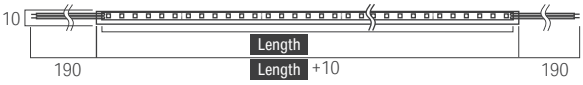
LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment
10 10mm Pitch 16 16mm Pitch	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire	D Daylight white 7100K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K	CL Clear DF Diffuser	I Indoor

External dimension

Luci Flat FLEX F Indoor / W Both ends lead wire

LFTF□□ -T□□□□ W-□ -□ - I

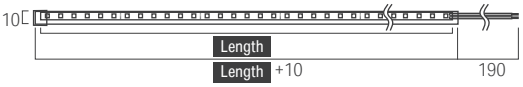
Pitch Length Color Tube



Luci Flat FLEX F Indoor / S One end lead wire

LFTF□□ -T□□□□ S-□ - □- I

Pitch Length Color Tube



- The lead wires are delivered without connectors. Contact us if indoor connectors are needed.

Custom order products size

Luci Flat FLEX F 10mm pitch (3.9 W/m)				
Corresponds to Length of Model No. and External dimensions				
0063	1063	2063	3063	4063
0125	1125	2125	3125	4125
0188	1188	2188	3188	4188
0250	1250	2250	3250	4250
0313	1313	2313	3313	4313
0375	1375	2375	3375	4375
0438	1438	2438	3438	4438
0500	1500	2500	3500	4500
0563	1563	2563	3563	4563
0625	1625	2625	3625	4625
0688	1688	2688	3688	4688
0750	1750	2750	3750	4750
0813	1813	2813	3813	4813
0875	1875	2875	3875	4875
0938	1938	2938	3938	4938
1000	2000	3000	4000	5000

Luci Flat FLEX F 16mm pitch (2.5 W/m)				
Corresponds to Length of Model No. and External dimensions				
0100	1100	2100	3100	4100
0200	1200	2200	3200	4200
0300	1300	2300	3300	4300
0400	1400	2400	3400	4400
0500	1500	2500	3500	4500
0600	1600	2600	3600	4600
0700	1700	2700	3700	4700
0800	1800	2800	3800	4800
0900	1900	2900	3900	4900
1000	2000	3000	4000	5000

Color temperature of diffuser tube type

Nominal light source color temperature(clear tube)		Color temperature through diffuser tube *1
D	7100 K	5200 K
N	5300 K	4400 K
W	4200 K	3700 K
WW	3500 K	3000 K
L30	3000 K	2700 K
L27	2700 K	2400 K
L24	2400 K	2100 K

*1:
The optical data provided above is for reference only. Due to the tolerances of the production process, values for color temperature can vary ±10%. The lumen output value of the diffuser tube type is 20~30% less than the clear tube type.

Clear tube

Diffuser tube

Illuminance data

LFTF10
Luci Flat FLEX 10mm pitch

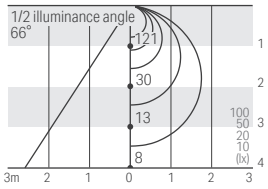
Color temparature

7100K 5300K 4200K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

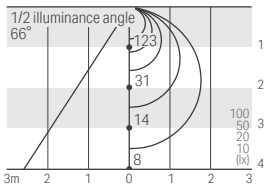
LFTF10-T1000W-D-CL-I

Light source color	7100K
Brightness	121 cd
Luminous flux	324 lm
Color rendering index	Ra 94



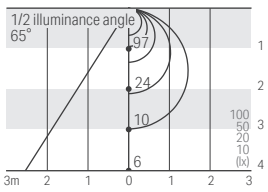
LFTF10-T1000W-N-CL-I

Light source color	5300K
Brightness	123 cd
Luminous flux	329 lm
Color rendering index	Ra 94



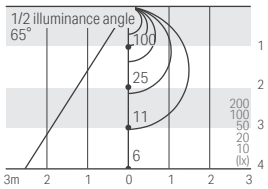
LFTF10-T1000W-W-CL-I

Light source color	4200K
Brightness	97 cd
Luminous flux	294 lm
Color rendering index	Ra 90



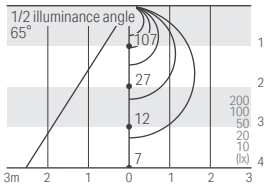
LFTF10-T1000W-WW-CL-I

Light source color	3500K
Brightness	100 cd
Luminous flux	305 lm
Color rendering index	Ra 90



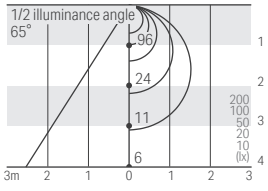
LFTF10-T1000W-L30-CL-I

Light source color	3000K
Brightness	107 cd
Luminous flux	300 lm
Color rendering index	Ra 90



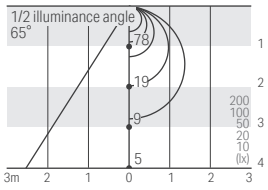
LFTF10-T1000W-L27-CL-I

Light source color	2700K
Brightness	96 cd
Luminous flux	282 lm
Color rendering index	Ra 87



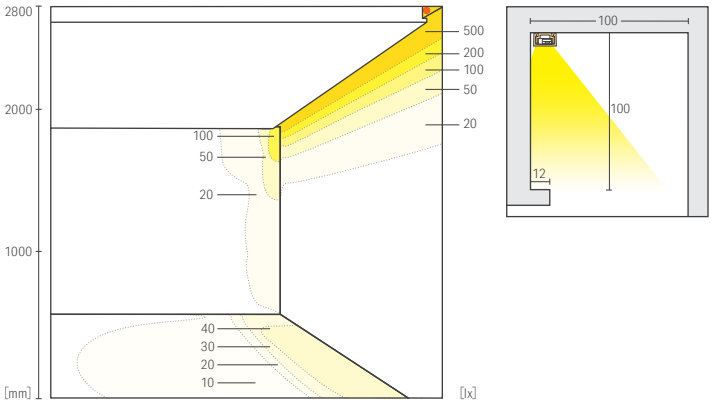
LFTF10-T1000W-L24-CL-I

Light source color	2400K
Brightness	78 cd
Luminous flux	229 lm
Color rendering index	Ra 83

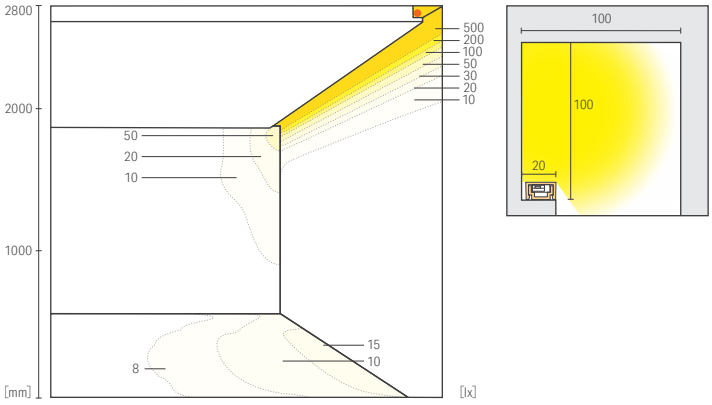


Recommendend dimensions and illumination distribuitions @2700K

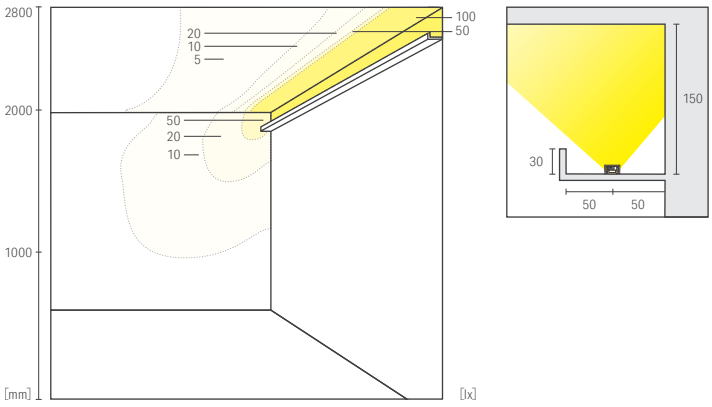
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data

LFTF16
Luci Flat FLEX 16mm pitch

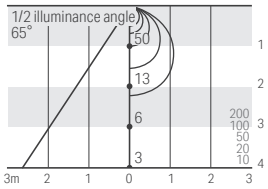
Color temparature

7100K 5300K 4200K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

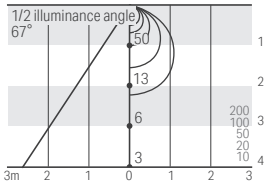
LFTF16-T1000W-L30-CL-I

Light source color	3000K
Brightness	50 cd
Luminous flux	187 lm
Color rendering index	Ra 90



LFTF16-T1000W-L27-CL-I

Light source color	2700K
Brightness	50 cd
Luminous flux	176 lm
Color rendering index	Ra 87



LFPA

THE QUAYSIDE
Location: Hong Kong
Lighting Design: LIGHTLINKS INTERNATIONAL LIMITED

KANDAMINAMIGUCHIKENSHIN CLINIC
Architect Office: YAMADA ARCHITECTS & ENGINEERS.INC
Lightening Design: YAMADA ARCHITECTS & ENGINEERS.INC
Construction: TAMOTSU CORPORATION
Photo: SS OSAKA

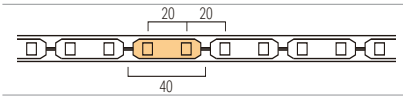
Luci Power FLEX α

Side bend flexible strip with clear soft acrylic tube ideal for curved light trough
Cuttable every 2 LEDs (40 mm) at site

Specifications

Dimensions

LED pitch and cuttable unit length (mm)



LFPA20

Cross section W 13.7 x H 13.4 mm
Standard length 970 mm with both ends open end wire

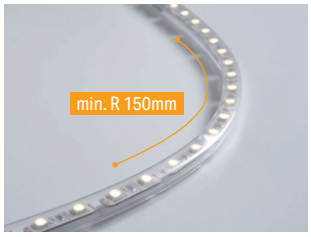
Color temperature

5300K | 4200K | 3500K | 3000K | 2700K | 2400K | 1900K

Ra 90

Min Bending radius

R 150mm in side (horizontal) bend direction

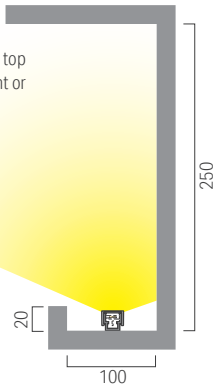


Electrical & Output

Model	LFPA20
Power Consumption (W/m)	10.4
Luminous flux @ 3000K (lm/m)	550

TIPS: Curved cove light

To avoid cutoff lines, aline the top of the LED with the fascia height or install it at the far corner.



Project reference

EDION NAMBA
Location: Japan
Photo: yasutake kondo

Architect office: IAO TAKEDA ARCHITECTS ASSOCIATES CO.,LTD.
Construction: SUMITOMO MITSUI CONSTRUCTION CO., LTD.

Urban Hotel Kyoto-Nijo Premium
Location: Japan
Architect office: ARCHITECT KYOTO

Counter Design: BLUE MOMENT DESIGN Associates CO.Ltd.
Photo: Umetani Tadashi

The Prince Gallery Tokyo Kioicho
Location: Japan
Architect office: Nikken Sekkei Ltd
Interior design: Rockwell Group, Europe

Lighting design: Lighting Planners Associates
Construction: KAJIMA CORPORATION / TEKKEN CORPORATION / Kumagai Gumi Co.,Ltd. Consortium
Photo: TOSHIO KANEKO

Luci Power FLEX α

LFPA

Color management
ANSI BIN

3 years warranty

- Flexible strip with bending sideways suitable for curved light trough
- Cuttable every 2 LEDs (40mm)
- Accessory for straight/curved installation

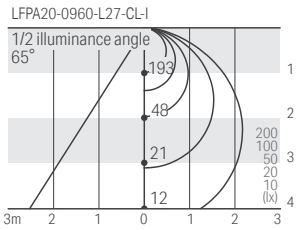
Model No.

LFPA20 - 0960 - □ - CL - I

Product Name / LED pitch	Length	Light source color	Tube type	Environment
LFPA20 : 20mm pitch	0960	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L19 : Warm white 1900K	CL : Clear	I : Indoor

Light Intensity

Refer to P.87



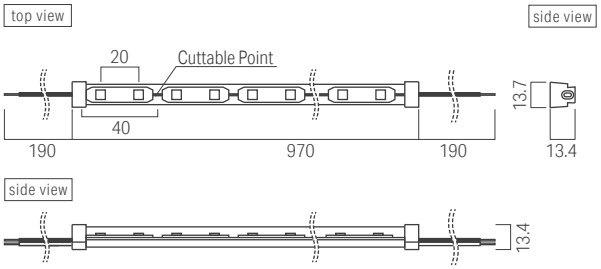
Specification

LED pitch			20mm pitch
Model No.			LFPA20-0960-□-CL-I
Power consumption			10.4W/m
Fitting length(L)			970mm
Weight			60g
Cuttable unit			40mm (2 LED)
Luminaire efficacy(2700K)			74.1 lm/W
Light source color			○ = Device inventory * = Equivalent ✻ = Please contact us since it is made-to-order products and has MOQ.
D	7100K		-
N	5300K	Ra90	○ 613lm
W	4200K	Ra90	○ 640lm
WW	3500K	Ra90	○ 613lm
L30	3000K	Ra90	○ 555lm
L27	2700K	Ra90	○ 540lm
L24	2400K	Ra90	○ 440lm
L19	1900K	Ra70	✻ 482lm

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R150mm
Material (body)	Soft acrylic
Attachments	❹ End cap 2pcs
Option parts	❶ Mounting rail ❷ Mounting parts ❸ Mounting clip ❹ End cap ❺ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM, etc.)
Power Supplies	Required

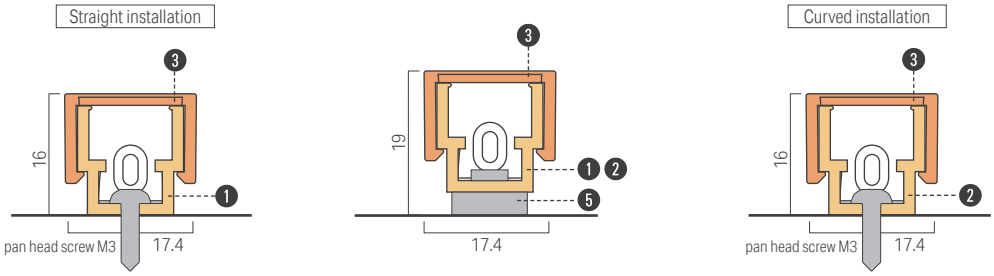
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
～3.5m	50W power supply
～7m*	100W power supply
～10.5m*	150W power supply

Cross sectional view when installing optional items

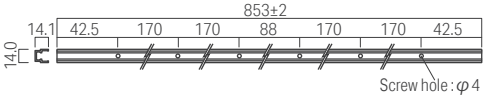


Option parts

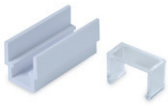
❶ Mounting rail 900 for Power FLEX α

Model No : LFPA-RL0900

❸ Mounting clip for rail (5 pcs) is included.



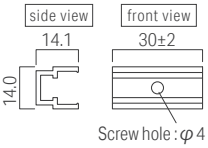
❷ Mounting parts for Power FLEX α



Model No : LFPA-RL0030

5 pcs / bag

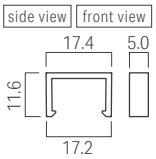
❸ Mounting clip for rail (5 pcs) is included.



❸ Mounting clip for rail Attachments for ❶ & ❷

Model No : LFPA-PT

For extra order, 5 pcs / bag



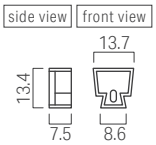
❹ End cap for Power FLEX α Attachment

Model No : LFPA-EC

Attached with LED fixture on request
2 pcs / bag per LED fixture

For sealing the open end of LED fixture after cutting.
Sealing glue is required to supply by installer.
Acrylic glue is recommended.

For extra order,
2 pcs / bag

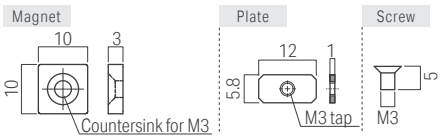


❺ Magnet set for rail

Model No : MG-R

4 pcs / bag

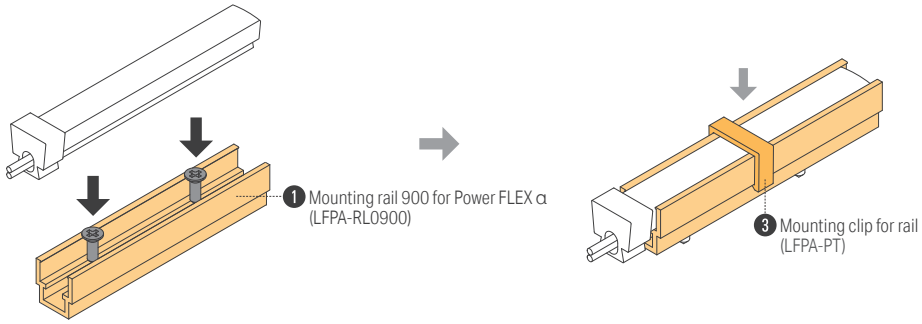
Used for installing LED fixture with mounting rail ❶ on metal plate.
Metal plate is required by installer.



Luci Power FLEX α

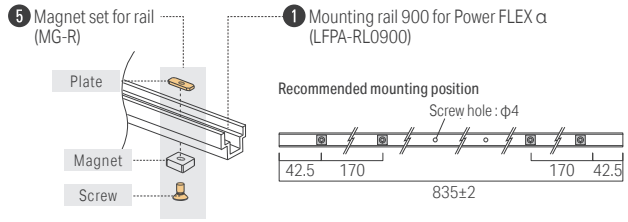
Installing the product

Straight installation

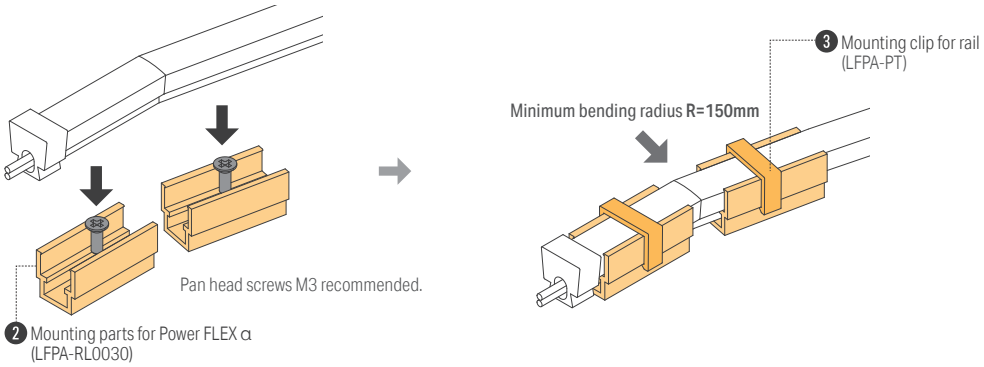


Magnet Installation

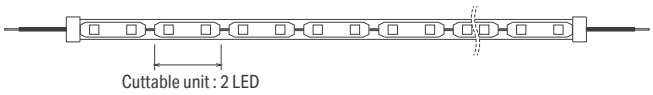
Mounting rail 1000 for Power FLEX



Curved installation



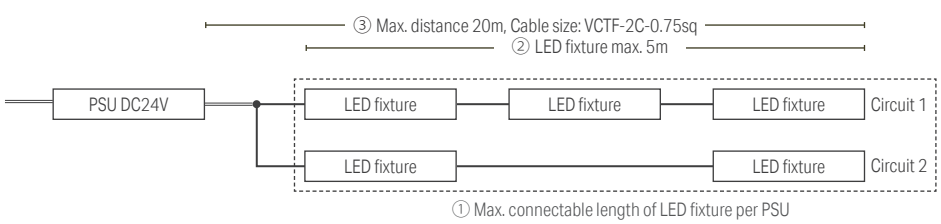
Cutting of lamp fitting



The cuttable unit of Luci Power FLEX α is 2 LEDs.

Cutting the LED fixture at the wrong point may cause failure or a non-lit. End caps are required to seal the open end of the LED fixture after cutting. Acrylic adhesive is recommended. Do not solder cables to the circuit board of the cut LED fixture.

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Illuminance data

LFPA20
Luci Power FLEX α

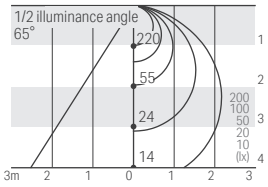
Color temparature

5300K 4200K 3500K 3000K 2700K 2400K 1900K

Direct horizontal surface light intensity distribution chart

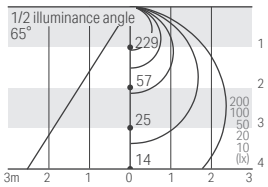
LFPA20-0960-N-CL-I

Light source color	5300K
Brightness	220 cd
Luminous flux	613 lm
Color rendering index	Ra 90



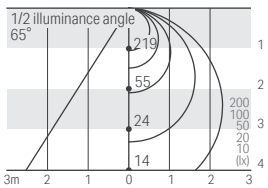
LFPA20-0960-W-CL-I

Light source color	4200K
Brightness	229 cd
Luminous flux	640 lm
Color rendering index	Ra 90



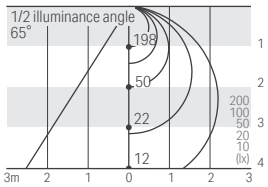
LFPA20-0960-WW-CL-I

Light source color	3500K
Brightness	219 cd
Luminous flux	613 lm
Color rendering index	Ra 90



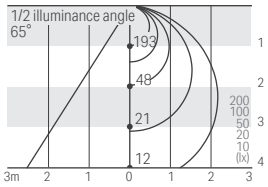
LFPA20-0960-L30-CL-I

Light source color	3000K
Brightness	198 cd
Luminous flux	555 lm
Color rendering index	Ra 90



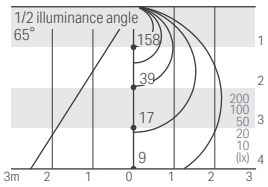
LFPA20-0960-L27-CL-I

Light source color	2700K
Brightness	193 cd
Luminous flux	540 lm
Color rendering index	Ra 90



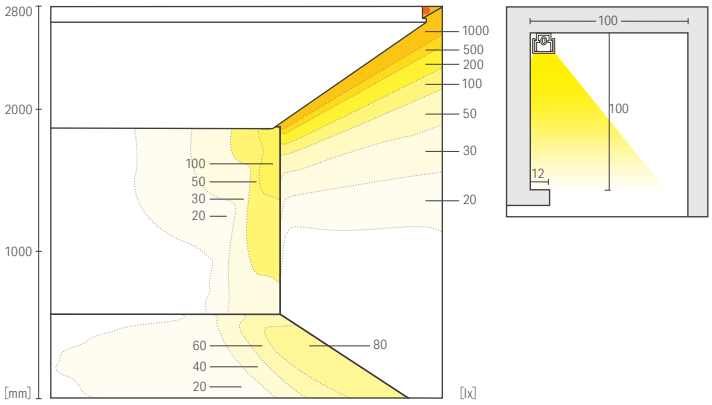
LFPA20-0960-L24-CL-I

Light source color	2400K
Brightness	158 cd
Luminous flux	440 lm
Color rendering index	Ra 90

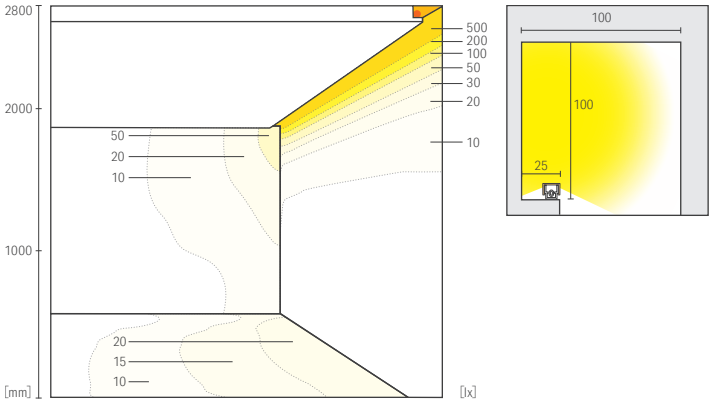


Recommendend dimensions and illumination distribuitions @2700K

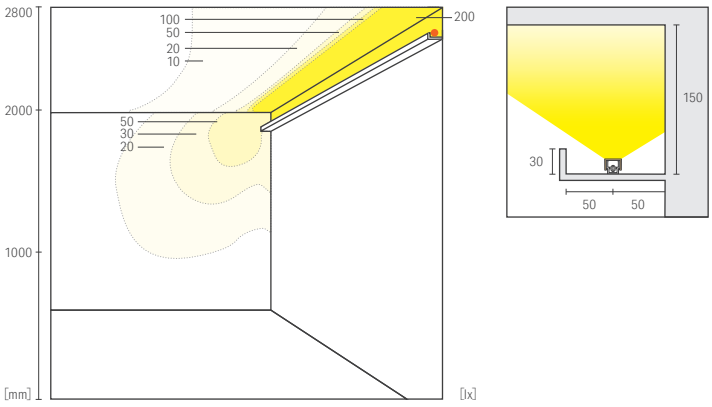
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



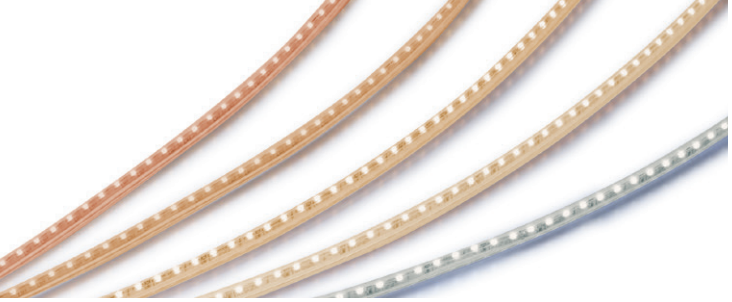
Cove lighting CH=2800



LFXF

Grissini - Grand Copthorne Waterfront Singapore
Location: Singapore
Lighting design: Light Cibles
Photo: Alistair Chia

Mr. & Mrs. FOX
Location: Hong Kong
Client: Swire Restaurants
Lighting design: SPECTRUM DESIGN & ASSOCIATES(ASIA)



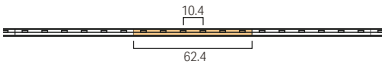
Luci FLEX α F

Side bend flexible strip with clear or diffused soft acrylic tube
Only 4mm thickness with side view LED package,
suitable for limited space installation
Cuttable every 6 LEDs (62.4 mm) and customized length available
up to 5m per roll

Specifications

Dimensions

LED pitch and cuttable unit length (mm)



LFXF10

Cross section	W 10 x H 4 mm
Standard length	1m with both ends open end wire
Custom order	up to 5m lengths at every unit length with both ends or one end feed cable

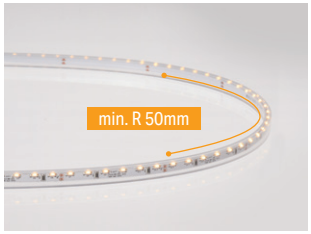
Cuttable luminaire at site at scissor mark. If a luminaire with a both side feed cable is cut, the left and right sides of the luminaire can be used separately, as if the luminaire were one side feed.

Color temperature

7100K | 4200K | 3500K | 3000K | 2700K | 2400K

Min Bending radius

R 50mm in side (horizontal) bend direction

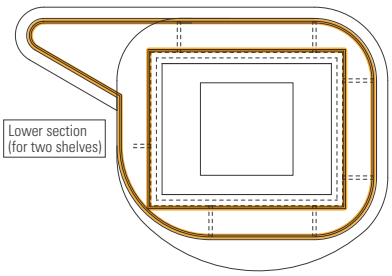


Electrical & Output

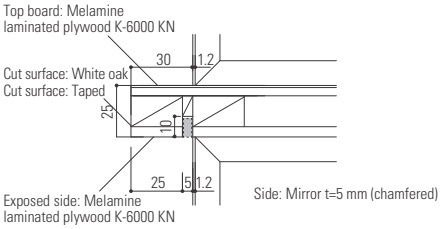
Model	LFXF10
Power Consumption (W/m)	3.9
Luminous flux @ 3000K (lm/m)	302

TIPS: Shelf with curved slit

Drawing of lighting fixture



Cross-sectional drawing of display fixture



Project reference

New Hankyu Oimachi New-building construction II Ours Inn Hankyu Twin hall
Location: Japan
Architect office: NEXT/m, 240 design studio
Construction: HANKYU KENSOU Co., Ltd.

Mr. & Mrs. FOX
Location: Hong Kong
Client: Swire Restaurants
Lighting design: SPECTRUM DESIGN & ASSOCIATES(ASIA)

Luci FLEX α F

LFXF

Color management
ANSI BIN

3 years warranty

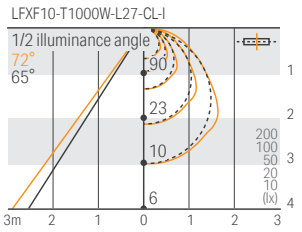
- Side bend flexible strip with 4 × 10 mm cross-section
- Cuttable every 6 LEDs (62.4mm)
- Accessory for straight/curved installation

Model No.

LFXF□□ - T□□□□□ - □ - □ - □ - I

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFXF10	Custom order length P.93 W : Both ends S : One ends	D : Daylight white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K	CL : Clear DF : Diffuser	I : Indoor

Light Intensity Refer to P.94



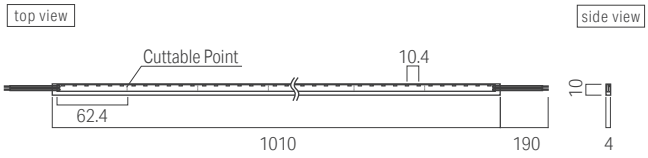
Specification @ Clear cover

LED pitch			10mm pitch	
Model No.			LFXF10-T1000W-□-CL-I	
Power consumption			3.9W/m	
Fitting length(L)			1010mm	
Weight			40g	
Cuttable unit			62.4mm (6 LED)	
Luminaire efficacy(2700K)			64.6 lm/W	
Light source color			◯ = Device inventory * = Equivalent ✻ = Please contact us since it is made-to-order products and has MOQ.	
D	7100K	Ra74	✻	311 lm*
N	5300K		-	
W	4200K	Ra70	◯	330 lm*
WW	3500K	Ra75	◯	281 lm*
L30	3000K	Ra70	◯	302 lm*
L27	2700K	Ra71	◯	252 lm
L24	2400K	Ra65	✻	245 lm*
L19	1900K		-	

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	❺ End cap 2pcs
Option parts	❶ Mounting rail ❷ Mounting parts ❸❹ Mounting clip ❺ End cap
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

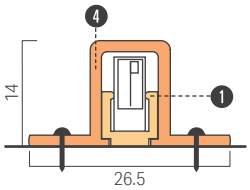


Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
~9m*	50W power supply
~18m*	100W power supply
~27m*	150W power supply

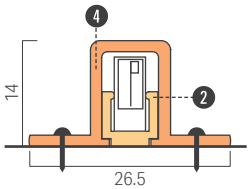
Cross sectional view when installing optional items

Straight installation



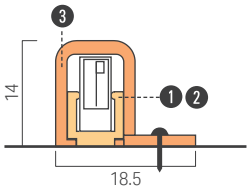
pan head screw M3

Curved installation



pan head screw M3

Narrow clip



pan head screw M3

Option parts

❶ Mounting rail 1000 for FLEX α

Model No : LFX-RL1000

❹ Mounting clip for FLEX α rail (10 pcs / bag) is included.

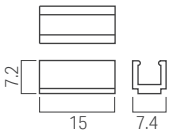
❷ Mounting parts for FLEX α

Model No : LFX-RL0015

10 pcs / bag

❹ Mounting clip for FLEX α rail (10 pcs / bag) is included.

For curved installation

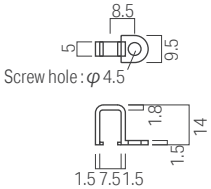


❸ Mounting clip B for FLEX α

Model No : LFX-RC-B

10 pcs / bag

Narrower clip used with rail ❶ or parts ❷

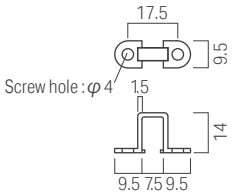


❹ Mounting clip 1000 for FLEX α rail

Attachments for ❶ & ❷

Model No : LFX-RC

for extra order, 10 pcs / bag



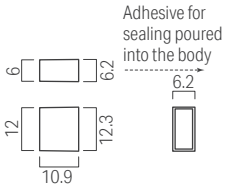
❺ End cap for α Flat

Model No : LFX-EC

Attached with LED fixture on request
2 pcs / bag per LED fixture

For sealing the open end of LED fixture after cutting.
Sealing glue is required to supply by installer.
Acrylic glue is recommended.

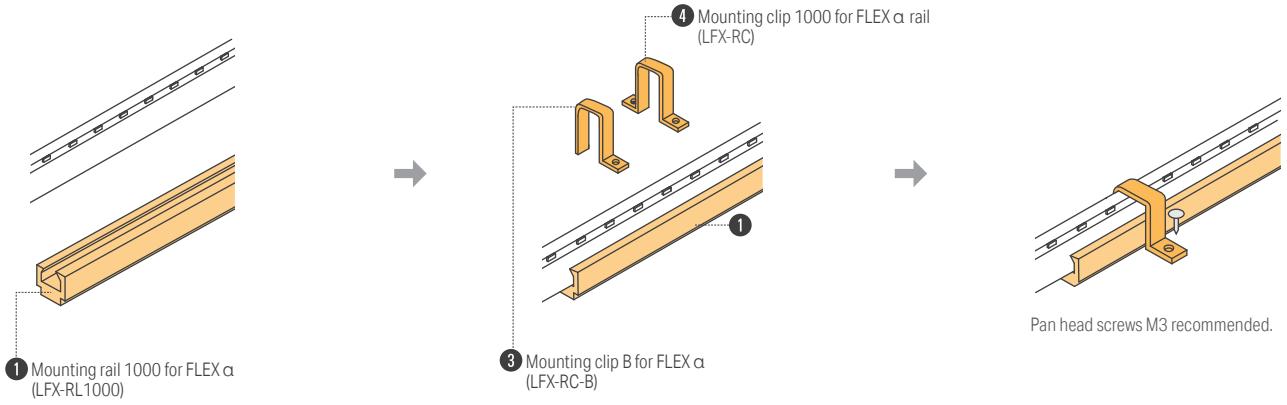
For extra order,
10 pcs / bag



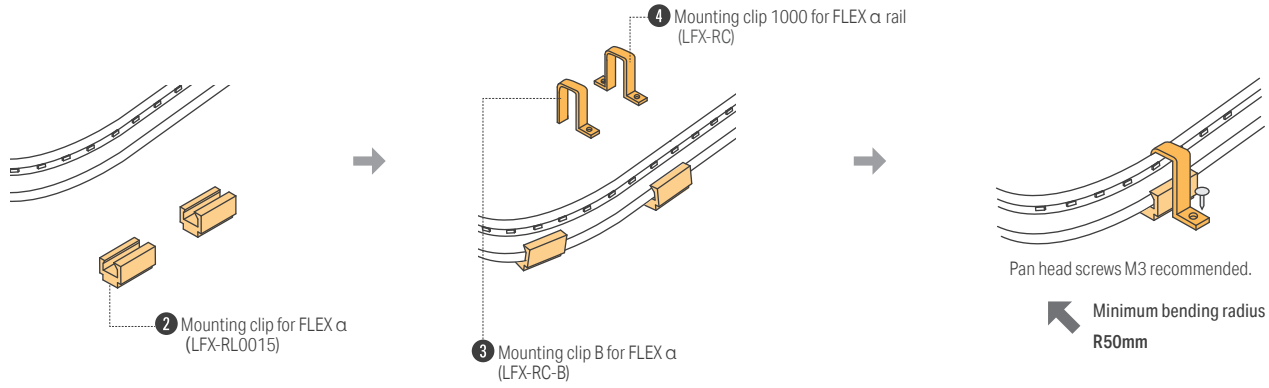
Luci FLEX α F

Installing the product

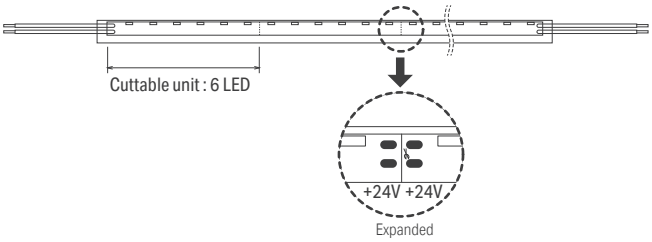
Straight installation



Curved installation



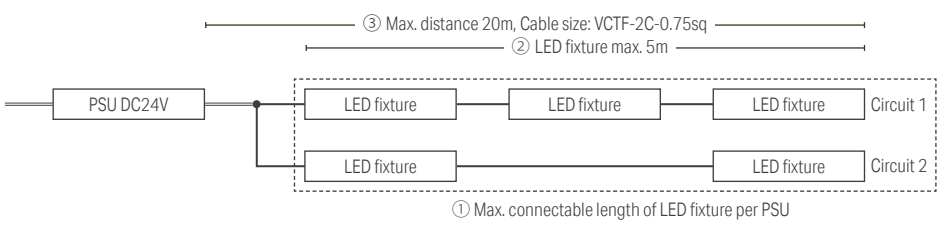
Cutting of lamp fitting



The cuttable unit of Luci FLEX α F is 6 LEDs.

Cutting the LED fixture at the wrong point may cause failure or a non-lit. End caps are required to seal the open end of the LED fixture after cutting. Acrylic adhesive is recommended. Do not solder cables to the circuit board of the cut LED fixture.

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci FLEX α F Indoor -Custom order-

Model No.

LFXF10 - T□□□□ □ - □ - □ - I

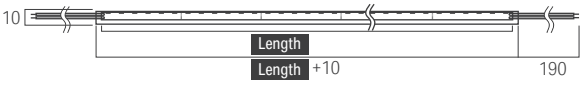
Length	Lead Wire	Light source color	Tube type	Environment
Refer to "Custom order products size"	W Both ends lead wire S One end lead wire	D Daylight white 7100K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K	CL Clear DF Diffuser	I Indoor

External dimension

Luci FLEX α F Indoor / W Both ends lead wire

LFXF10 -T□□□□ W- □ - □ - I

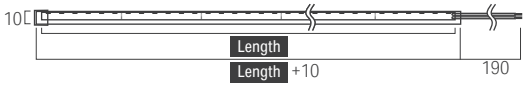
Length Color Tube



Luci FLEX α F Indoor / S One end lead wire

LFXF10 -T□□□□ S- □ - □ - I

Length Color Tube



- The lead wires are delivered without connectors. Contact us if indoor connectors are needed.

Custom order products size

Luci FLEX α F 10mm pitch (3.9 W/m)				
Corresponds to Length of Model No. and External dimensions				
0063	1063	2063	3063	4063
0125	1125	2125	3125	4125
0188	1188	2188	3188	4188
0250	1250	2250	3250	4250
0313	1313	2313	3313	4313
0375	1375	2375	3375	4375
0438	1438	2438	3438	4438
0500	1500	2500	3500	4500
0563	1563	2563	3563	4563
0625	1625	2625	3625	4625
0688	1688	2688	3688	4688
0750	1750	2750	3750	4750
0813	1813	2813	3813	4813
0875	1875	2875	3875	4875
0938	1938	2938	3938	4938
1000	2000	3000	4000	5000

Color temperature of diffuser tube type

Nominal light source color temperature(clear tube)		Color temperature through diffuser tube *1
D	7100 K	5600 K
W	4200 K	3800 K
WW	3500 K	3300 K
L30	3000 K	2900 K
L27	2700 K	2500 K
L24	2400 K	2200 K

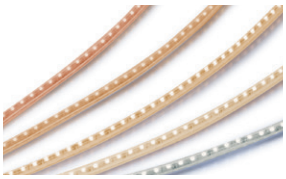
*1:
The optical data provided above is for reference only. Due to the tolerances of the production process, values for color temperature can vary ±10%. The lumen output value of the diffuser tube type is 20~30% less than the clear tube type.

Clear tube

Diffuser tube

Luci FLEX α F

Illuminance data



LFXF10
Luci FLEX α F 10mm pitch

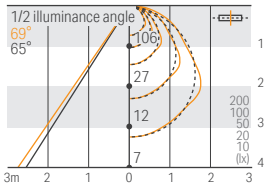
Color temparature

7100K 4200K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

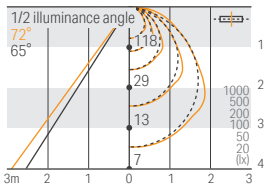
LFXF10-T1000W-D-CL-I

Light source color	7100K
Brightness	106 cd
Luminous flux	311 lm
Color rendering index	Ra 74



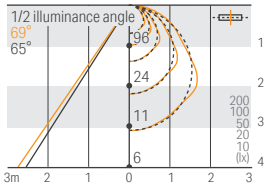
LFXF10-T1000W-W-CL-I

Light source color	4200K
Brightness	118 cd
Luminous flux	330 lm
Color rendering index	Ra 70



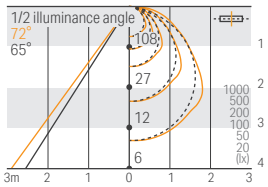
LFXF10-T1000W-WW-CL-I

Light source color	3500K
Brightness	96 cd
Luminous flux	281 lm
Color rendering index	Ra 75



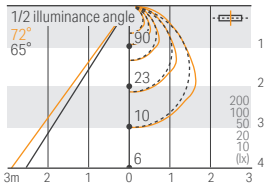
LFXF10-T1000W-L30-CL-I

Light source color	3000K
Brightness	108 cd
Luminous flux	302 lm
Color rendering index	Ra 70



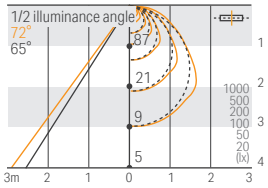
LFXF10-T1000W-L27-CL-I

Light source color	2700K
Brightness	90 cd
Luminous flux	252 lm
Color rendering index	Ra 71



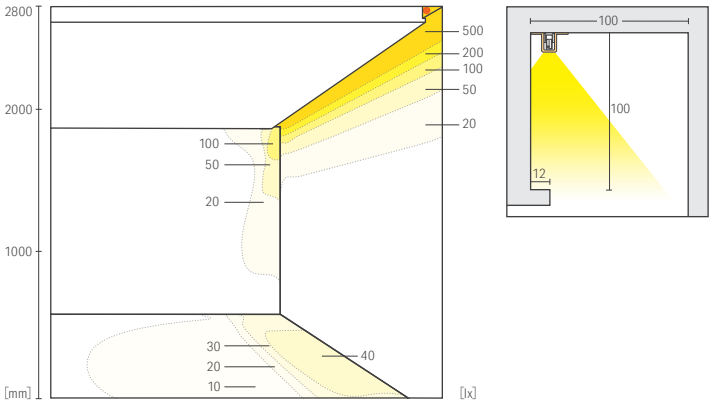
LFXF10-T1000W-L24-CL-I

Light source color	2400K
Brightness	87 cd
Luminous flux	245 lm
Color rendering index	Ra 65

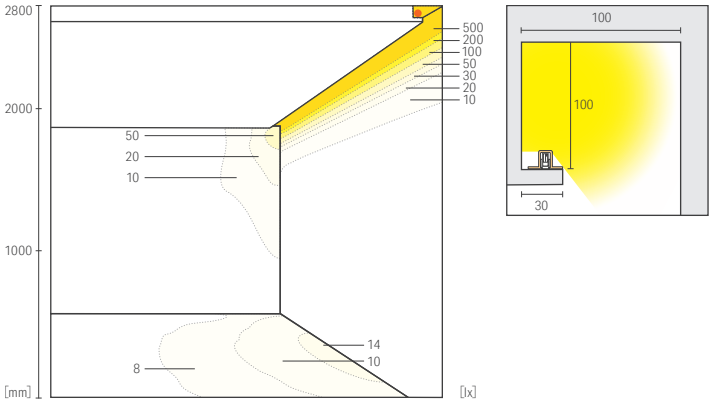


Recommendend dimensions and illumination distribuitions @2700K

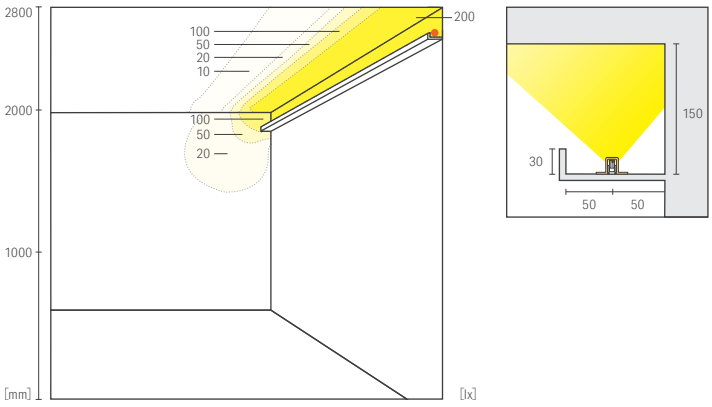
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



LVV RENEWAL

88 Cove Drive, Sentosa House
Location: Singapore
Interior Design: Studio MK27
Lighting Design: SWITCH

TOTO Headquarters office building, Jakarta
Location: Indonesia
Lighting Design: Lumina Group

Luci Vivoxy Graze

Wall grazing light to beautifully accentuate wall elements
with new and powerful high CRI LED
Original optical lens with less scalloping and
applicable for wide range of offset distances
Selectable brightness by choosing different output from constant current driver

Specifications

Dimensions

Cross section W 27xH 24 mm
Length 4 types of fixed length

1200 | 900
600 | 300

Color temperature

5000K | 4000K | 3500K | 3000K | 2700K | 2200K

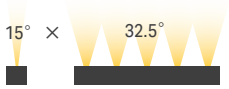
Ra 90

NEW Upgraded to High CRI and brighter LED Package

Electrical & Output

Input current	700 mA	500 mA	350 mA
Power Consumption (W/m)	38.9	27.8	18.9
Luminous flux @ 3000K (lm/m)	3485	2609	1876

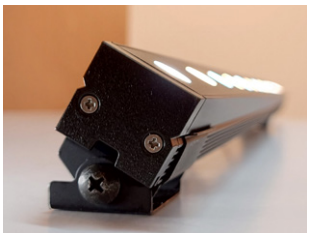
Optics

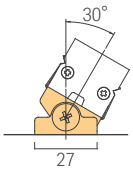


Seamless connection

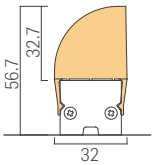
Accesories

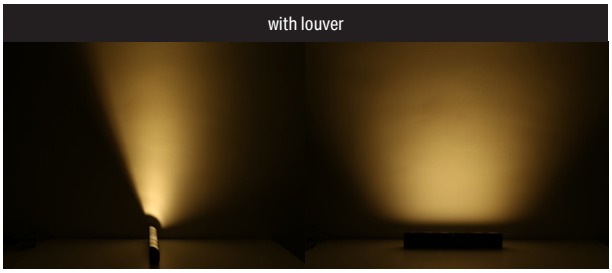
Adjustable mounting fixture





Anti glare louver





Project reference

Tanah Merah Country Club
Location : Singapore
Photo : Robert Such

SHIATZY CHEN Paris flagship store
Location: France
Client: SHIATZY CHEN
Lighting consultant: The Flaming Beacon

Vivoxy Graze

LVV

RENEWAL

only L22

Color management MacAdam | Color management ANSI BIN | CE | 3 years warranty

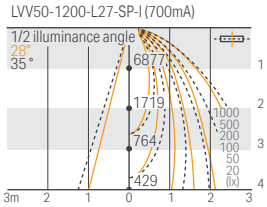
- For grazing light with spread lens 15° x 32° with High CRI LED
- 3 different brightness by choosing 350mA, 500mA or 700mA C.C driver
- Adjustable bracket and louver is available

Model No.

LVV50 - □□□□ - □ - SP - I

Product Name / LED pitch	Length	Light source color	Beam angle	Environment
LVV50 : 50mm pitch	0300 0600 0900 1200	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L22 : Warm white 2200K	SP: 15°× 32.5°	I : Indoors

Light Intensity Refer to P.102



Specification

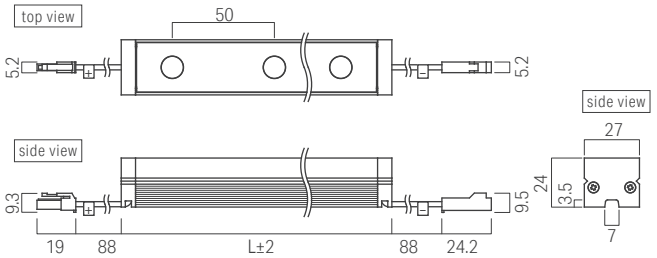
Length			0300			0600			0900			1200		
Model No.			LVV50-0300-□-SP-I			LVV50-0600-□-SP-I			LVV50-0900-□-SP-I			LVV50-1200-□-SP-I		
Rated input current			700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA
Power consumption (Max.)			12W	8W	6W	24W	17W	11W	35W	25W	17W	47W	33W	23W
Power consumption (Max.) L22			13W	9W	6W	26W	18W	12W	38W	27W	18W	51W	36W	24W
Fitting length(L)			300mm			600mm			900mm			1200mm		
Weight			180g			360g			540g			720g		
Luminaire efficacy(2700K)			83.4 lm/W@700mA			83.4 lm/W@700mA			83.4 lm/W@700mA			83.4 lm/W@700mA		
Light source color			○ = Device inventory * = Equivalent											
Rated input current			700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA
D	7100K		-	-	-	-	-	-	-	-	-	-	-	-
N	5000K	Ra90	○1258 lm*	○ 942 lm*	○ 677 lm*	○ 2517 lm*	○ 1884 lm*	○ 1354 lm*	○ 3775 lm*	○ 2826 lm*	○ 2031 lm*	○ 5034 lm	○ 3769 lm	○ 2708 lm
W	4000K	Ra92	○1244 lm*	○ 941 lm*	○ 670 lm*	○ 2489 lm*	○ 1881 lm*	○ 1339 lm*	○ 3733 lm*	○ 2822 lm*	○ 2009 lm*	○ 4977 lm	○ 3762 lm	○ 2678 lm
WW	3500K	Ra92	○1163 lm*	○ 871 lm*	○ 626 lm*	○ 2326 lm*	○ 1741 lm*	○ 1252 lm*	○ 3489 lm*	○ 2612 lm*	○ 1877 lm*	○ 4652 lm	○ 3483 lm	○ 2503 lm
L30	3000K	Ra92	○1046 lm*	○ 783 lm*	○ 563 lm*	○ 2091 lm*	○ 1566 lm*	○ 1125 lm*	○ 3137 lm*	○ 2348 lm*	○ 1688 lm*	○ 4183 lm	○ 3131 lm	○ 2251 lm
L27	2700K	Ra94	○ 980 lm*	○ 734 lm*	○ 528 lm*	○ 1961 lm*	○ 1468 lm*	○ 1055 lm*	○ 2941 lm*	○ 2202 lm*	○ 1583 lm*	○ 3921 lm	○ 2936 lm	○ 2110 lm
L22	2200K	Ra 82	○ 802 lm*	○ 600 lm*	○ 432 lm*	○ 1604 lm*	○ 1201 lm*	○ 863 lm*	○ 2406 lm*	○ 1801 lm*	○ 1295 lm*	○ 3208 lm	○ 2402 lm	○ 1726 lm
L19	1900K		-	-	-	-	-	-	-	-	-	-	-	-

Specification may be subject to change without announcement. The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

Input current	700mA	500mA	350mA
LED beam angle	15°×32.5°		
Environment	Indoors (no condensation)		
Max. length per run*	2.7m (L22: 2.4m)	4.2m (L22: 3.6m)	6m (L22: 5.4m)
Material (body)	Aluminum(black), Polycarbonate		
Attachments	❶ Mounting fixture 2pcs		
Option parts	❶ Mounting fixture ❷ Adjustable mounting fixture ❸ Fall prevention mounting fixture ❹ Louver ❺ Joint cable		
Certification	CE		
Dimmable	Yes (0-10V, DALI)		
Power Supplies	Constant current driver is required.		

External dimensions



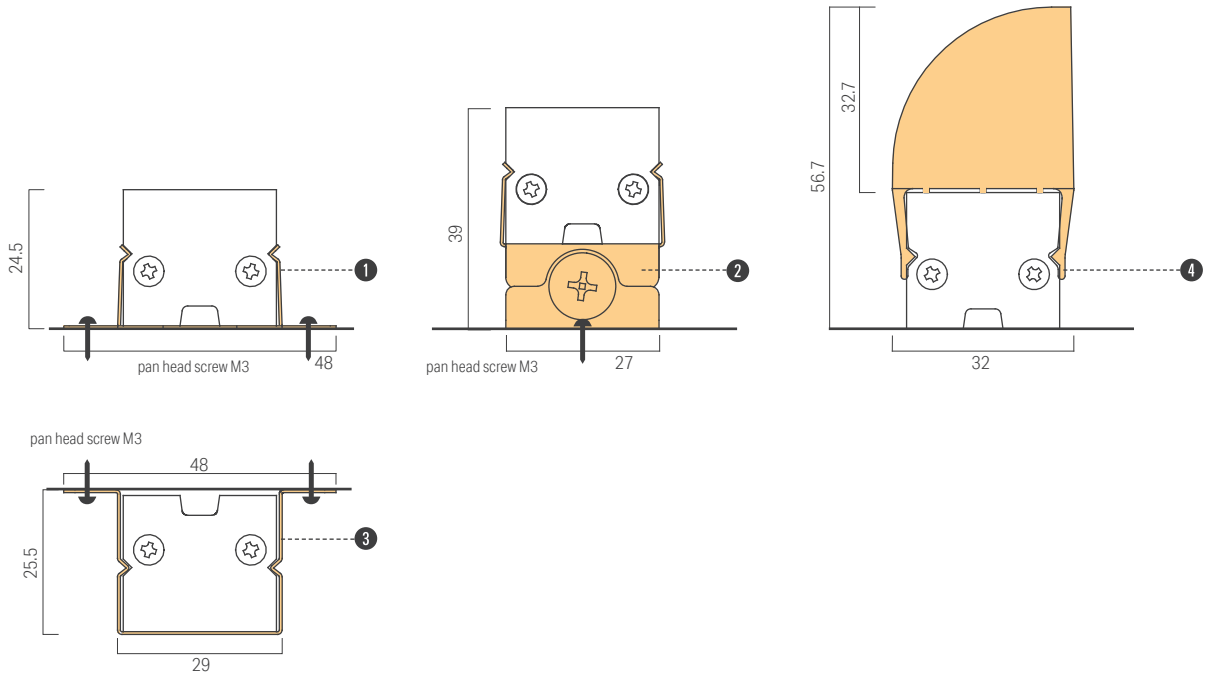
* The connectable number of luminaires depends on the output voltage of the driver used. Check the instructions in the driver manual.

Min. and Max. lengh per run for Meanwell HVGC series

＊ A:ON/OFF, B:0-10V dimming type

Rated current	Meanwell Model No.	Rated wattage	Constant current region	Connectable length range of LVV50
700mA	HVGC-65-700-＊	65W	9-93V	0.3-1.2m (L22: 0.3-0.9m)
	HVGC-100-700-＊	100W	15-142V	0.6-1.8m (L22: 0.6-1.5m)
	HVGC-150-700-＊	150W	21-215V	0.6-2.7m (L22: 0.6-2.4m)
500mA	HVGC-65-500-＊	65W	13-130V	0.6-1.8m (L22: 0.3-1.5m)
	HVGC-150-500-＊	150W	30-300V	0.9-4.2m (L22: 0.9-3.6m)
350mA	HVGC-65-350-＊	65W	18-186V	0.6-2.4m (L22: 0.6-2.1m)
	HVGC-100-350-＊	100W	29-285V	0.9-3.9m (L22: 0.9-3.6m)
	HVGC-150-350-＊	150W	42-428V	1.2-6.0m (L22: 1.2-5.4m)

Cross sectional view



Option parts

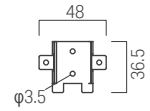
1 Mounting fixture for Vivoxy Graze **Attachment**

Model No : LVV-PT-A

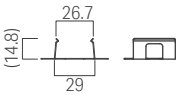
Attached with LED fixture
2 pcs per LED fixture

For extra order
1 pc / bag

top view



side view



2 Adjustable mounting fixture for Vivoxy Graze

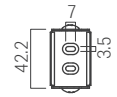
Model No : LVV-PT-B

1 pc/bag

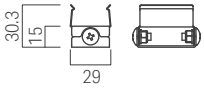
2 pcs per LED fixture is recommended.

For tilting installation

top view



side view



3 Fall prevention mounting fixture for Vivoxy Graze

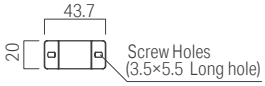
Model No : LVV-PT-C

1 pcs/1 bag

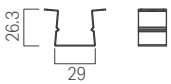
2 pcs per LED fixture is recommended.

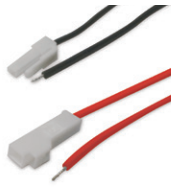
For downward installation

top view



side view





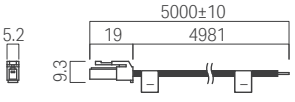
5 Joint cable set 5M for Vivoxy Graze **Required**

Model No : CAD-5000-SETB-I

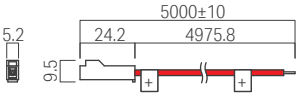
1 pc per circuit for connecting the LED fixture
to power supply or dimmer driver.

Red : ＋ , Black : －

Socket side



Plug side



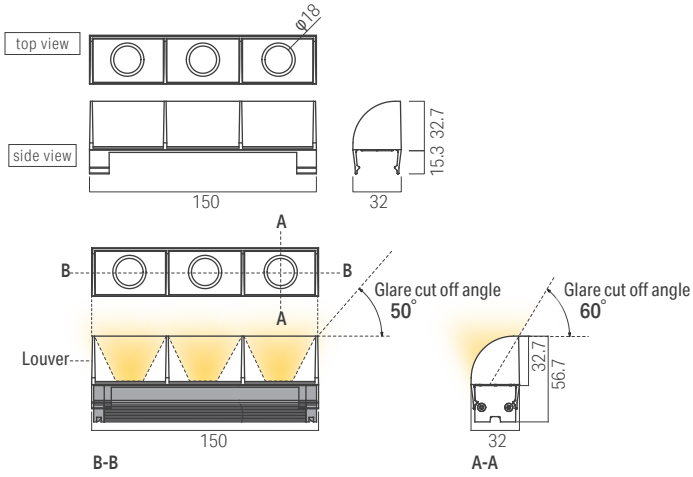
4 Louver for Vivoxy Graze

Model No : LVV50-LV0150

150mm×2 pcs / set

1 set for each 300mm LED fixture.

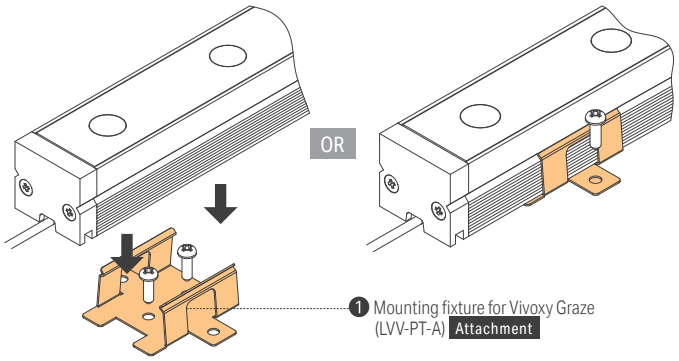
A dedicated louver can be installed on Luci Vivoxy Graze. Direct glare in a parallel or vertical direction against the lighting apparatus can be prevented.



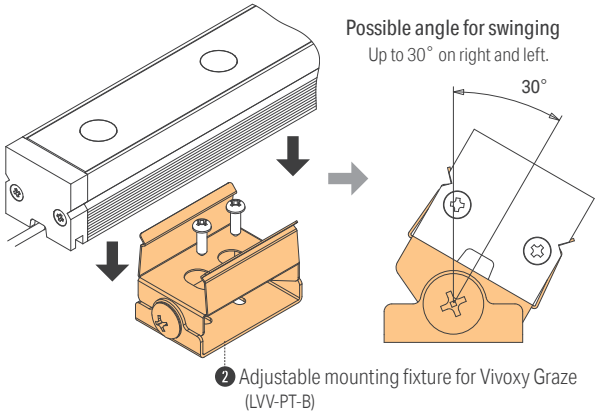
Vivoxy Graze

Installing the product

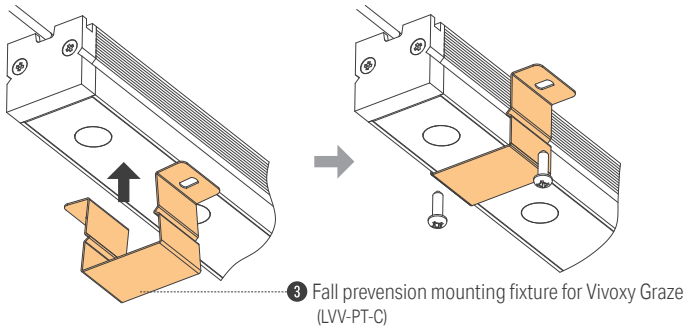
Mounting fixture installation



Adjustable fixture installation



Fall prevention mounting fixture installation



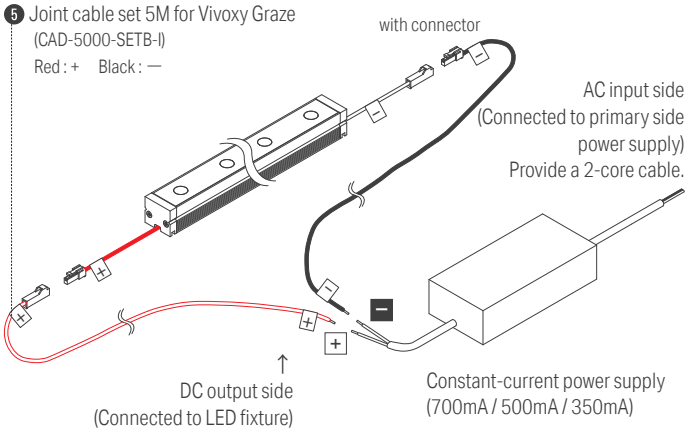
Connecting to the power supply

- Use appropriate constant current driver according to the length of the LED fixtures.
- Do not split the circuit of LED fixtures into multiple from the driver.
- Connect the RED power supply cable to + (plus)of the driver and the BLACK power supply cable to - (minus) of the driver.
- Use an appropriate signal cable and install it according to the instructions caution of the signal cable installation.

Caution: Ensure that power of drivers is off during connecting the LED fixtures. After confirming that LED fixtures are connected to the driver properly before turning on the main switch.

Polarity reversal or wrong procedure of connection, the LED fixture will be damaged due to a high inrush current.

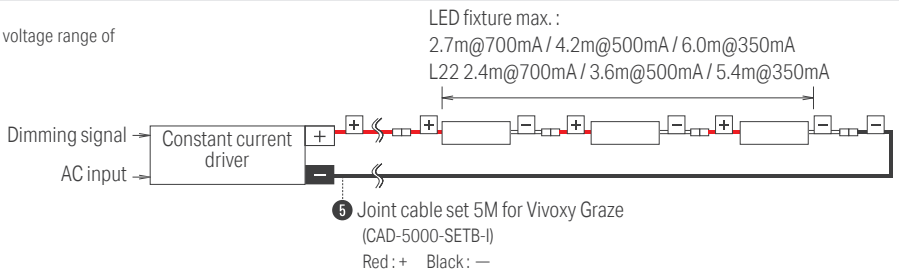
If the driver was turned on before connecting the LED fixtures, turn off the power and wait one or more minutes according to the manual of the driver for releasing the accumulated electricity inside the driver.



System configuration diagram

- Max. connectable length depends on the wattage and output voltage range of the power supply.
- Max. length per circuit of Luci Vivoxy Graze is,
  2.7 m @ 700 mA
  4.2 m @ 500 mA
  6.0 m @ 350 mA

  L22 2.4m@700mA
  3.6m@500mA
  5.4m@350mA



Min. and Max. length per run for Meanwell HVGC series

∗ A:ON/OFF, B:0-10V dimming type

Rated current	Meanwell Model No.	Rated wattage	Constant current region	Connectable length range of LVV50
700mA	HVGC-65-700-∗	65W	9-93V	0.3-1.2m (L22: 0.3-0.9m)
	HVGC-100-700-∗	100W	15-142V	0.6-1.8m (L22: 0.6-1.5m)
	HVGC-150-700-∗	150W	21-215V	0.6-2.7m (L22: 0.6-2.4m)
500mA	HVGC-65-500-∗	65W	13-130V	0.6-1.8m (L22: 0.3-1.5m)
	HVGC-150-500-∗	150W	30-300V	0.9-4.2m (L22: 0.9-3.6m)
350mA	HVGC-65-350-∗	65W	18-186V	0.6-2.4m (L22: 0.6-2.1m)
	HVGC-100-350-∗	100W	29-285V	0.9-3.9m (L22: 0.9-3.6m)
	HVGC-150-350-∗	150W	42-428V	1.2-6.0m (L22: 1.2-5.4m)

Guide for selecting constant current driver

1) The minimum and maximum voltage of LED fixture must be within the output voltage range of the constant current driver.
2) The total wattage of LED fixture including 80% load*1 must not exceed the wattage capacity of the constant current driver.
Please contact us when you have any questions for selecting the constant current driver.
Please follow instructions for the power supply and confirm the operation environment conditions including temperature and humidity.
Specifications and price are subject to change without prior notification.

Example:	1) Voltage range	2) Power consumption	Connectableor not
C.C driver	Constant Current Region of driver 21V — 215V	Rated power of driver 150V	
LVV50 (@700mA)	Min. and Max. voltage range of LED fixture Wattage (inc. 80% load)	Wattage (inc. 80% load)	
L300mm	✗ 12V — 22V ✓	✓ 15W	✗
L600mm	✓ 25V — 43V ✓	✓ 29W	✓
L1800mm	✓ 75V — 130V ✓	✓ 88W	✓
L2700mm	✓ 112V — 194V ✓	✓ 132W	✓
L3000mm	✓ 125V — 216V ✗	✓ 147W	✗
L3300mm	✓ 137V — 238V ✗	✗ 162W	✗

Min and Max voltage of LED fixture and power consumption (N, W, WW, L30, L27)

Rated input current	700mA				500mA				300mA			
Fitting length per run (mm)	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Typ)*80% load *1	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Max)* 80% load	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Max)* 80% load
300	12V	22V	12W	15W	12V	21V	8W	10W	12V	21V	6W	7W
600	25V	43V	24W	29W	24V	42V	17W	21W	24V	42V	11W	14W
900	37V	65V	35W	44W	37V	64V	25W	31W	36V	63V	17W	21W
1200	50V	86V	47W	59W	49V	85V	33W	41W	48V	84V	23W	28W
1500	62V	108V	59W	74W	61V	106V	41W	52W	60V	104V	28W	35W
1800	75V	130V	71W	88W	73V	127V	50W	62W	72V	125V	34W	43W
2100	87V	151V	82W	103W	86V	149V	58W	72W	84V	146V	40W	50W
2400	100V	173V	94W	118W	98V	170V	66W	83W	96V	167V	45W	57W
2700	112V	194V	106W	132W	110V	191V	74W	93W	108V	188V	51W	64W
3000	125V	216V	118W	147W	122V	212V	83W	103W	120V	209V	57W	71W
3300	137V	238V	129W	162W	135V	234V	91W	113W	132V	230V	62W	78W
3600	150V	259V	141W	176W	147V	255V	99W	124W	144V	251V	68W	85W
3900	162V	281V	153W	191W	159V	276V	107W	134W	156V	271V	74W	92W
4200	175V	302V	165W	206W	171V	297V	116W	144W	168V	292V	79W	99W
4500	187V	324V	176W	221W	184V	319V	124W	155W	180V	313V	85W	106W
4800	200V	346V	188W	235W	196V	340V	132W	165W	192V	334V	91W	113W
5100	212V	367V	200W	250W	208V	361V	140W	175W	204V	355V	96W	120W
5400	225V	389V	212W	265W	220V	382V	149W	186W	216V	376V	102W	128W
5700	237V	410V	223W	279W	233V	404V	157W	196W	228V	397V	108W	135W
6000	250V	432V	235W	294W	245V	425V	165W	206W	240V	418V	113W	142W

Min and Max voltage of LED fixture and power consumption (L22)

Rated input current	700mA				500mA				300mA			
Fitting length per run (mm)	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Typ)*80% load *1	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Max)* 80% load	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Max)* 80% load
300	13V	24V	13W	16W	13V	24V	9W	11W	12V	23V	6W	8W
600	26V	49V	26W	32W	26V	48V	18W	23W	25V	47V	12W	15W
900	40V	73V	38W	48W	39V	72V	27W	34W	37V	70V	18W	23W
1200	53V	98V	51W	64W	52V	96V	36W	45W	50V	94V	24W	30W
1500	66V	122V	64W	80W	65V	121V	45W	56W	62V	117V	30W	38W
1800	79V	147V	77W	96W	78V	145V	54W	68W	75V	140V	37W	46W
2100	92V	171V	90W	112W	91V	169V	63W	79W	87V	164V	43W	53W
2400	106V	196V	102W	128W	104V	193V	72W	90W	100V	187V	49W	61W
2700	119V	220V	115W	144W	117V	217V	81W	101W	112V	211V	55W	69W
3000	132V	245V	128W	160W	130V	241V	90W	113W	125V	234V	61W	76W
3300	145V	269V	141W	176W	143V	265V	99W	124W	137V	257V	67W	84W
3600	158V	294V	154W	192W	156V	289V	108W	135W	150V	281V	73W	91W
3900	172V	318V	167W	208W	168V	314V	117W	146W	162V	304V	79W	99W
4200	185V	343V	179W	224W	181V	338V	126W	158W	175V	328V	85W	107W
4500	198V	367V	192W	240W	194V	362V	135W	169W	187V	351V	91W	114W
4800	211V	392V	205W	256W	207V	386V	144W	180W	200V	374V	97W	122W
5100	224V	416V	218W	272W	220V	410V	153W	191W	212V	398V	104W	129W
5400	238V	441V	231W	288W	233V	434V	162W	203W	225V	421V	110W	137W
5700	251V	465V	243W	304W	246V	458V	171W	214W	237V	445V	116W	145W
6000	264V	490V	256W	320W	259V	482V	180W	225W	250V	468V	122W	152W

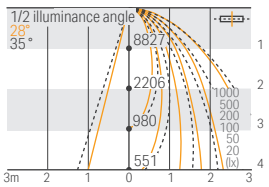
Vivoxy Graze

Illuminance data

700mA

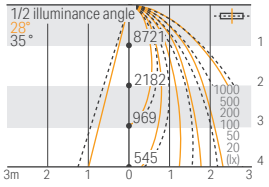
LVV50-1200-N-SP-I

Light source color	4000K
Brightness	8827 cd
Luminous flux	5034 lm
Color rendering index	Ra 90



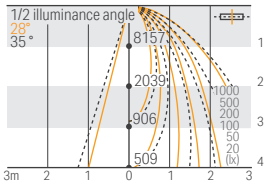
LVV50-1200-W-SP-I

Light source color	4000K
Brightness	8721 cd
Luminous flux	4978 lm
Color rendering index	Ra 92



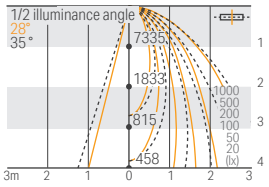
LVV50-1200-WW-SP-I

Light source color	3500K
Brightness	8157 cd
Luminous flux	4652 lm
Color rendering index	Ra 92



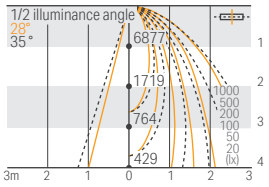
LVV50-1200-L30-SP-I

Light source color	3000K
Brightness	7335 cd
Luminous flux	4183 lm
Color rendering index	Ra 92



LVV50-1200-L27-SP-I

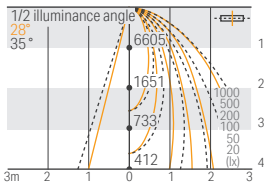
Light source color	2700K
Brightness	6877 cd
Luminous flux	3922 lm
Color rendering index	Ra 94



500mA

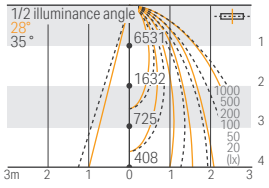
LVV50-1200-N-SP-I

Light source color	4000K
Brightness	6605 cd
Luminous flux	3769 lm
Color rendering index	Ra 90



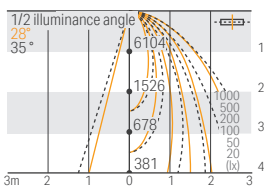
LVV50-1200-W-SP-I

Light source color	4000K
Brightness	6531 cd
Luminous flux	3727 lm
Color rendering index	Ra 92



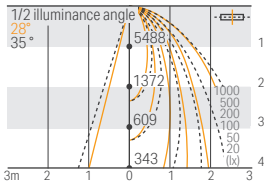
LVV50-1200-WW-SP-I

Light source color	3500K
Brightness	6401 cd
Luminous flux	3483 lm
Color rendering index	Ra 92



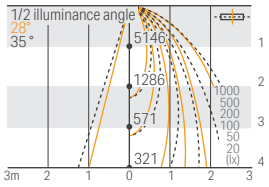
LVV50-1200-L30-SP-I

Light source color	3000K
Brightness	5488 cd
Luminous flux	3132 lm
Color rendering index	Ra 92



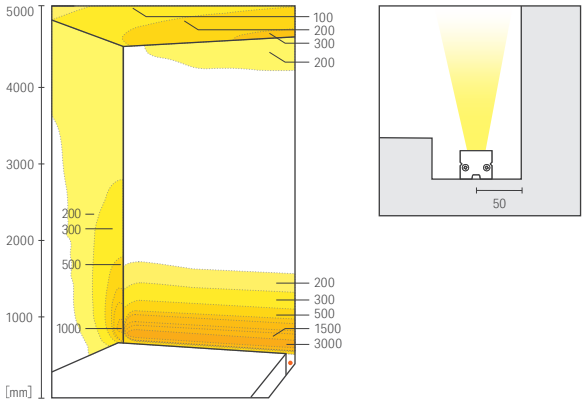
LVV50-1200-L27-SP-I

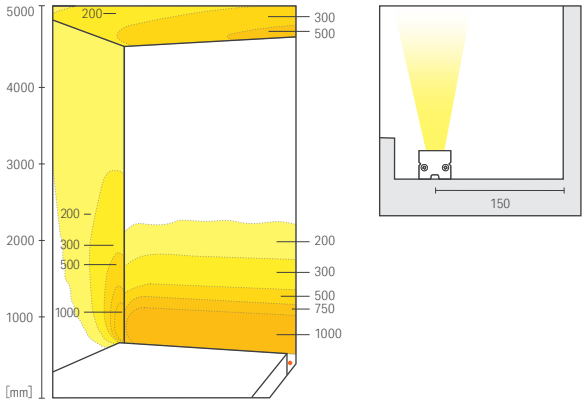
Light source color	2700K
Brightness	5146 cd
Luminous flux	2936 lm
Color rendering index	Ra 94



Recommendend dimensions and illumination distribuitions

CH=5000 700mA

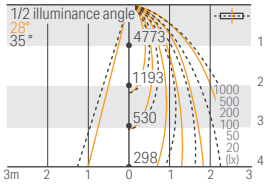




350mA

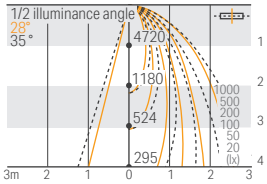
LVV50-1200-N-SP-I

Light source color	4000K
Brightness	4773 cd
Luminous flux	1355 lm
Color rendering index	Ra 90



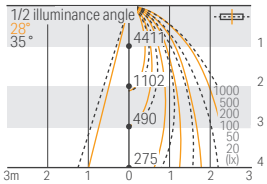
LVV50-1200-W-SP-I

Light source color	4000K
Brightness	4720 cd
Luminous flux	2679 lm
Color rendering index	Ra 92



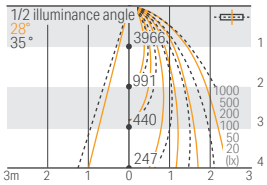
LVV50-1200-WW-SP-I

Light source color	3500K
Brightness	4411 cd
Luminous flux	2504 lm
Color rendering index	Ra 92



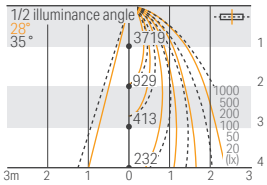
LVV50-1200-L30-SP-I

Light source color	3000K
Brightness	3966 cd
Luminous flux	2251 lm
Color rendering index	Ra 92



LVV50-1200-L27-SP-I

Light source color	2700K
Brightness	3179 cd
Luminous flux	2111 lm
Color rendering index	Ra 94



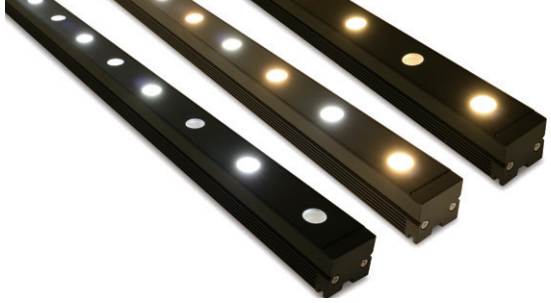
Distance from wall

700mA	500mA	350mA
0mm	0mm	0mm
50mm	50mm	50mm
100mm	100mm	100mm
150mm	150mm	150mm
200mm	200mm	200mm
300mm	300mm	300mm

LVVTH NEW

SHIBUYA363 SHIMIZU-BLDG
Location: Japan
Architect office: Tokyu Architects & Engineers INC.

Lighiting Design: Tokyo Lighting Design LLC
Construction: Tokyu Construction
Photo: Daisuke Yano



Luci Vivoxy Graze THOF

Tunable wall grazer light to beautifully accentuate wall elements.
2 CCT LEDs assembled alternately in your choice of combination.
Selectable brightness by choosing output of constant current driver.

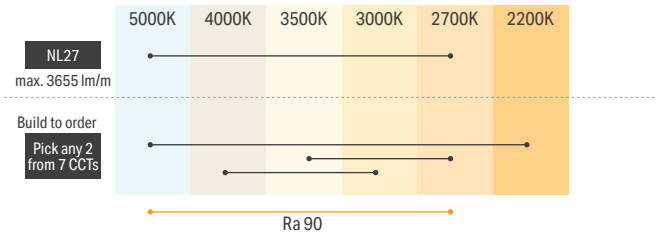
Specifications

Dimensions

Cross section W 27 x H 24 mm
Length 4 types of fixed length

1200 | 900
600 | 300

Color temperature



Electrical & Output

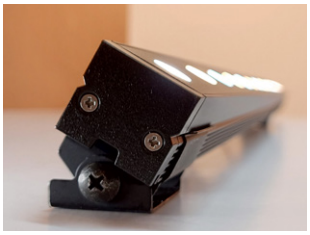
@700mA, @ NL27

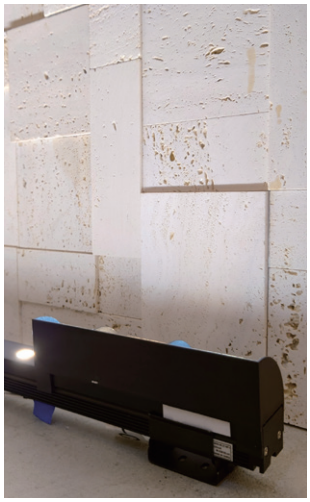
Color temperature	N 100%	N 100% / L27 100%	L27 100%
Power Consumption (W/m)	20	38.9	20
Luminous flux (lm/m)	2068	3655	1654

* Please refer to the datasheet page for power, CCT and input current for every product length.
* Required dimmable constant current driver by 0-10V 2ch, Dali DT6/8.

Accesories

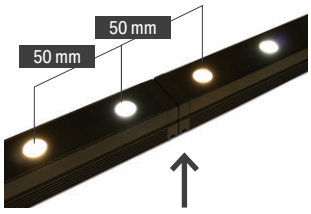
Adjustable mounting fixture



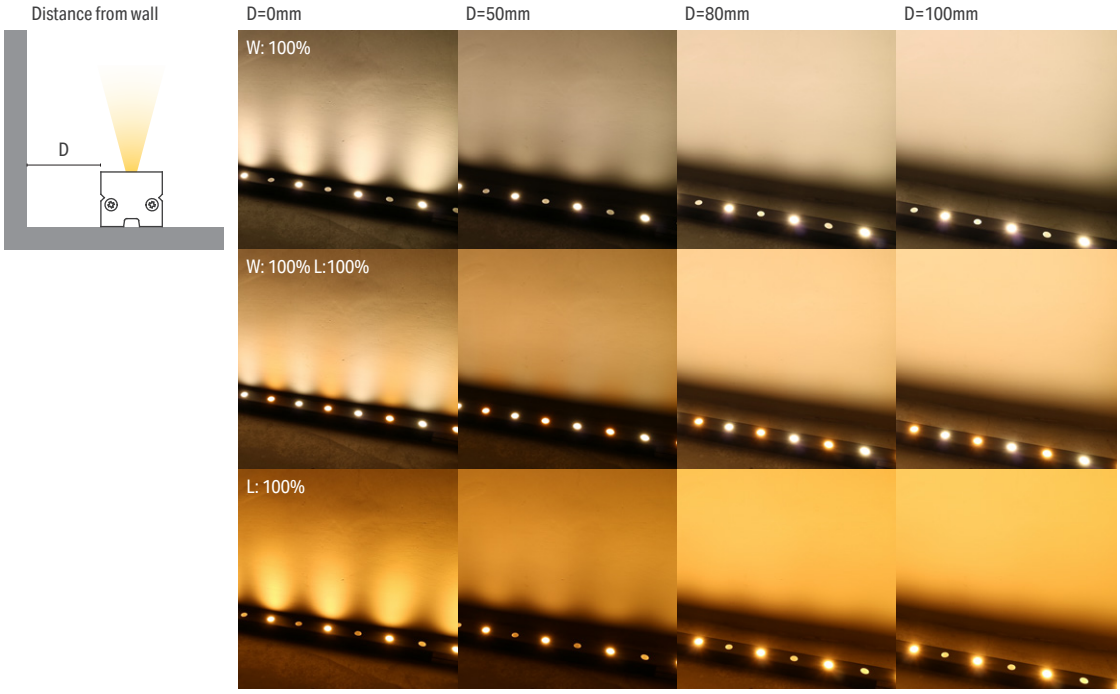


Louver

Optics



TIPS - Recommened distance



Vivoxy Graze THOF®

LVVTH NEW

Color management
MacAdam

CE

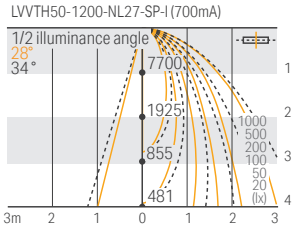
- For grazing light with spread lens 15° x 32° with High CRI LED
- 3 different brightness by choosing 350mA, 500mA or 700mA C.C driver
- Adjustable bracket and louver is available

Model No.

LVVTH50 - □□□□ - NL27 - SP - I

Product Name / LED pitch	Length	Light source color	Beam angle	Environment
LVVTH50 : 50mm pitch	0300 0600 0900 1200	NL27 : Natural white to Warm white 2700K	SP: 15°× 32.5°	I : Indoors

Light Intensity Refer to P.110



Specification

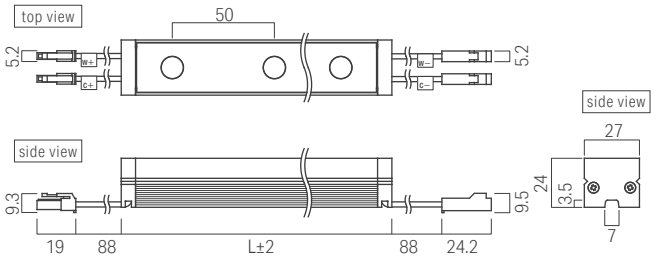
Length	0300			0600			0900			1200		
Model No.	LVVTH50-0300-NL27-SP-I			LVVTH50-0600-NL27-SP-I			LVVTH50-0900-NL27SP-I			LVVTH50-1200-NL27-SP-I		
Rated input current	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA	700mA	500mA	350mA
Power Consumption 2ch max(@typ)	12W	8W	6W	24W	17W	11W	35W	25W	17W	47W	33W	23W
Power Consumption 1ch max(@typ)	6W	5W	3W	12W	9W	6W	18W	13W	9W	24W	17W	12W
Fitting length (L)	300mm			600mm			900mm			1200mm		
Weight	180g			360g			540g			720g		
Luminaire efficacy(2700K)	82.7 lm/W@700mA			82.7 lm/W@700mA			82.7 lm/W@700mA			82.7 lm/W@700mA		
Light source color	○ = Device inventory * = Equivalent											
NL27 5000K~2700K	○	○	○	○	○	○	○	○	○	○	○	○
Dimming rate												
N 100%, L27 0% Ra 90	620 lm	474 lm	332 lm	1241 lm	948 lm	664 lm	1861 lm	1422 lm	995 lm	2481 lm	1896 lm	1327 lm
N 100%, L27 100% Ra 92	1097 lm	844 lm	591 lm	2193 lm	1688 lm	1182 lm	3290 lm	2533 lm	1773 lm	4386 lm	3377 lm	2364 lm
N 0%, L27 100% Ra 92	496 lm	381 lm	267 lm	992 lm	762 lm	534 lm	1489 lm	1143 lm	800 lm	1985 lm	1525 lm	1067 lm

Specification may be subject to change without announcement. The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

Input current	700mA	500mA	350mA
LED beam angle	15°×32.5°		
Environment	Indoors (no condensation)		
Max. length per run*	5.7m	8.4m	12m
Material (body)	Aluminum(black), Polycarbonate		
Attachments	❶ Mounting fixture 2pcs		
Option parts	❶ Mounting fixture ❷ Adjustable mounting fixture ❸ Fall prevention mounting fixture ❹ Louver ❺ Joint cable		
Certification	CE		
Dimmable	Yes (0-10V, DALI)		
Power Supplies	Constant current driver is required.		

External dimensions



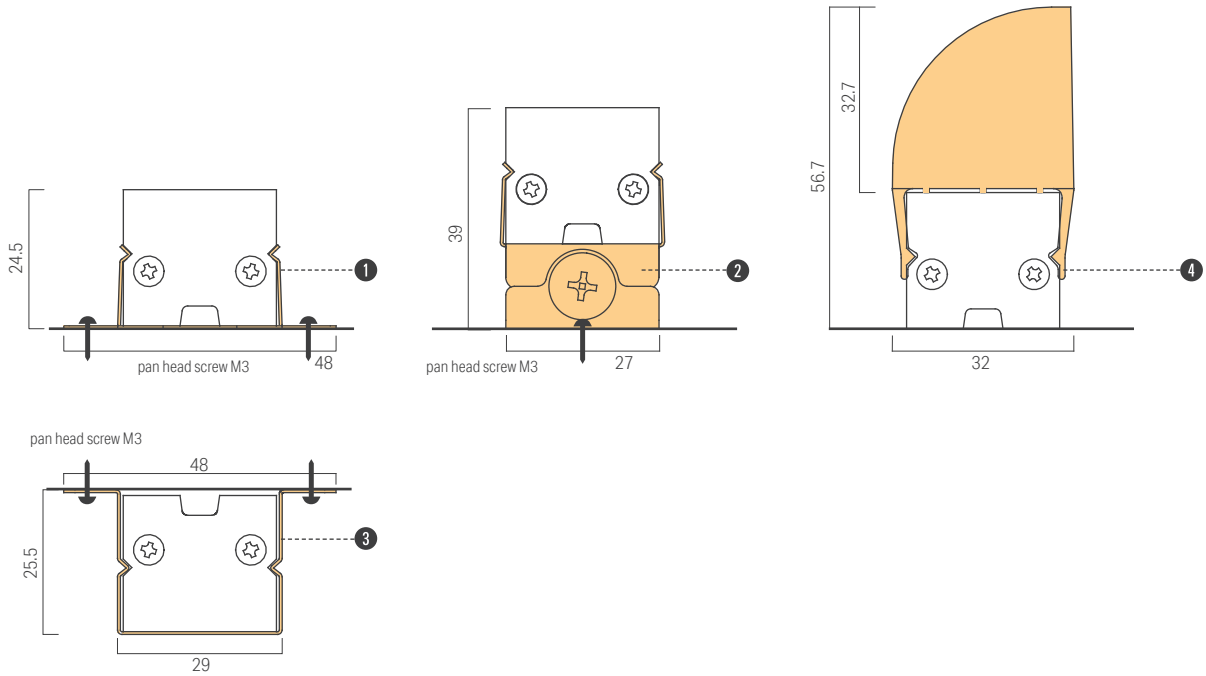
* The connectable number of luminaires depends on the output voltage of the driver used. Check the instructions in the driver manual.

Min. and Max. length per run for Meanwell HVGC series

* A:ON/OFF, B:0~10V dimming type

Rated current	Meanwell Model No.	Rated wattage	Constant current region	Connectable length range of LVVTH50
700mA	HVGC-65-700-* ×2pcs	65W	9-93V	0.6-2.4m
	HVGC-100-700-* ×2pcs	100W	15-142V	0.9-3.9m
	HVGC-150-700-* ×2pcs	150W	21-215V	1.2-5.7m
500mA	HVGC-65-500-* ×2pcs	65W	13-130V	0.9-3.6m
	HVGC-150-500-* ×2pcs	150W	30-300V	1.5-8.4m
350mA	HVGC-65-350-* ×2pcs	65W	18-186V	0.9-5.1m
	HVGC-100-350-* ×2pcs	100W	29-285V	1.5-8.1m
	HVGC-150-350-* ×2pcs	150W	42-428V	2.1-12.0m

Cross sectional view



Option parts

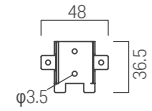
1 Mounting fixture for Vivoxy Graze **Attachment**

Model No : LVV-PT-A

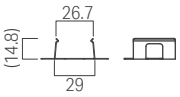
Attached with LED fixture
2 pcs per LED fixture

For extra order
1 pc / bag

top view



side view



2 Adjustable mounting fixture for Vivoxy Graze

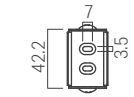
Model No : LVV-PT-B

1 pc/bag

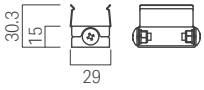
2 pcs per LED fixture is recommended.

For tilting installation

top view



side view



3 Fall prevention mounting fixture for Vivoxy Graze

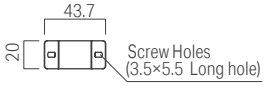
Model No : LVV-PT-C

1 pcs/1 bag

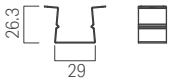
2 pcs per LED fixture is recommended.

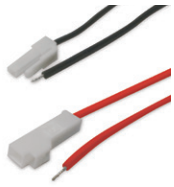
For downward installation

top view



side view





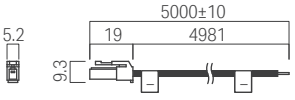
5 Joint cable set 5M for Vivoxy Graze **Required**

Model No : CAD-5000-SETB-I

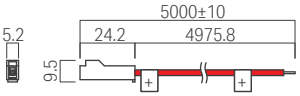
1 pc per circuit for connecting the LED fixture
to power supply or dimmer driver.

Red : ＋ , Black : －

Socket side



Plug side



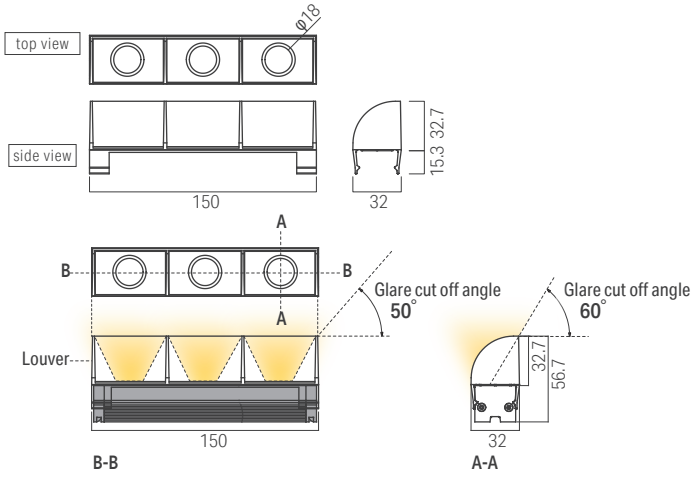
4 Louver for Vivoxy Graze

Model No : LVV50-LV0150

150mm×2 pcs / set

1 set for each 300mm LED fixture.

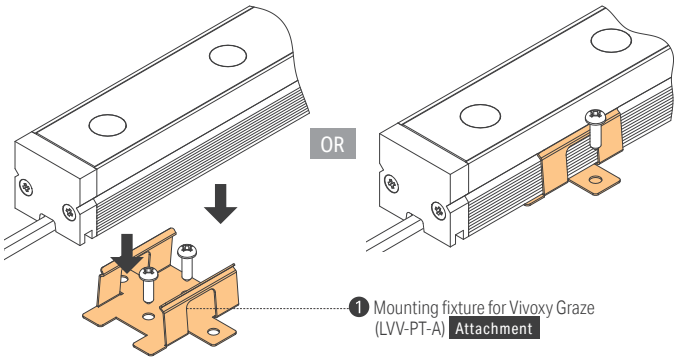
A dedicated louver can be installed on Luci Vivoxy Graze. Direct glare in a parallel or vertical direction against the lighting apparatus can be prevented.



Vivoxy Graze THOF®

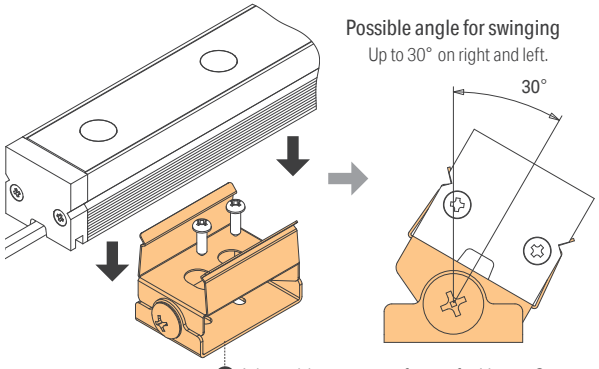
Installing the product

Mounting fixture installation



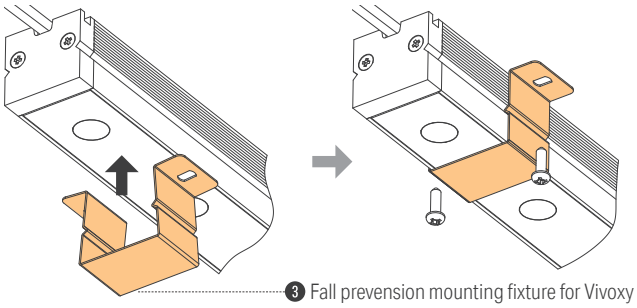
❶ Mounting fixture for Vivoxy Graze (LVV-PT-A) Attachment

Adjustable fixture installation



❷ Adjustable mounting fixture for Vivoxy Graze (LVV-PT-B)

Fall prevention mounting fixture installation



❸ Fall prevension mounting fixture for Vivoxy Graze (LVV-PT-C)

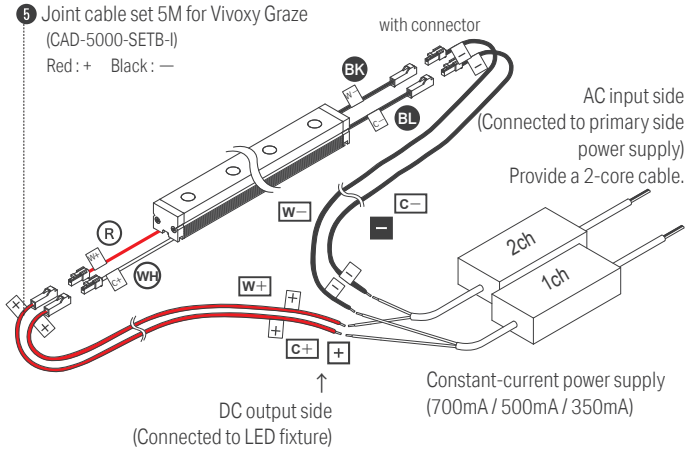
Connecting to the power supply

- Use appropriate constant current driver according to the length of the LED fixtures.
- Do not split the circuit of LED fixtures into multiple from the driver.
- Connect the RED power supply cable to + (plus)of the driver and the BLACK power supply cable to - (minus) of the driver.
- Use an appropriate signal cable and install it according to the instructions caution of the signal cable installation.

Caution: Ensure that power of drivers is off during connecting the LED fixtures. After confirming that LED fixtures are connected to the driver properly before turning on the main switch.

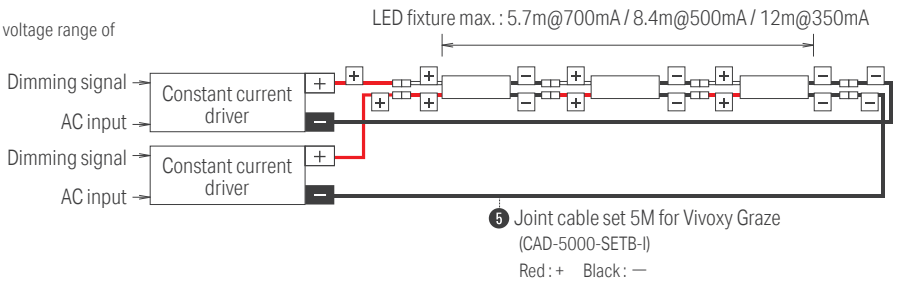
Polarity reversal or wrong procedure of connection, the LED fixture will be damaged due to a high inrush current.

If the driver was turned on before connecting the LED fixtures, turn off the power and wait one or more minutes according to the manual of the driver for releasing the accumulated electricity inside the driver.



System configuration diagram

- Max. connectable length depends on the wattage and output voltage range of the power supply.
- Max. length per circuit of Luci Vivoxy Graze is,
  5.7 m @ 700 mA
  8.4 m @ 500 mA
  12 m @ 350 mA



❺ Joint cable set 5M for Vivoxy Graze (CAD-5000-SETB-I)
Red : + Black : —

Min. and Max. length per run for Meanwell HVGC series

∗ A:ON/OFF, B:0~10V dimming type

Rated current	Meanwell Model No.	Rated wattage	Constant current region	Connectable length range of LVVTH50
700mA	HVGC-65-700-∗ ×2pcs	65W	9-93V	0.6-2.4m
	HVGC-100-700-∗ ×2pcs	100W	15-142V	0.9-3.9m
	HVGC-150-700-∗ ×2pcs	150W	21-215V	1.2-5.7m
500mA	HVGC-65-500-∗ ×2pcs	65W	13-130V	0.9-3.6m
	HVGC-150-500-∗ ×2pcs	150W	30-300V	1.5-8.4m
350mA	HVGC-65-350-∗ ×2pcs	65W	18-186V	0.9-5.1m
	HVGC-100-350-∗ ×2pcs	100W	29-285V	1.5-8.1m
	HVGC-150-350-∗ ×2pcs	150W	42-428V	2.1-12.0m

Guide for selecting constant current driver

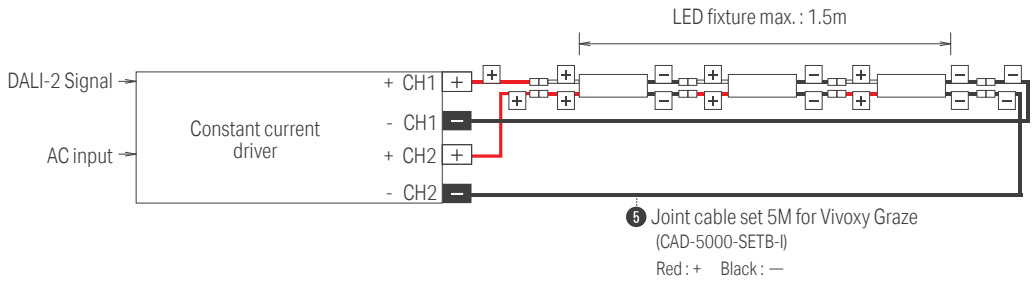
1) The minimum and maximum voltage of LED fixture must be within the output voltage range of the constant current driver per channel.
2) The total wattage of LED fixture including 80% load*1 must not exceed the wattage capacity of the constant current driver.
Please contact us when you have any questions for selecting the constant current driver.
Please follow instructions for the power supply and confirm the operation environment conditions including temperature and humidity.
Specifications and price are subject to change without prior notification.

Min and Max voltage of LED fixture and power consumption at 1ch (1CCT LED)

Rated input current	700mA				500mA				300mA			
Fitting length per run (mm)	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Typ)* 80% load *1	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Max)* 80% load	Min. Voltage	Max. Voltage	Power consumption (@Typ)	Power consumption (@Max)* 80% load
300	6V	11V	6W	7W	6V	11V	4W	5W	6V	10V	3W	4W
600	12V	22V	12W	15W	12V	21V	8W	10W	12V	21V	6W	7W
900	19V	32V	18W	22W	18V	32V	12W	15W	18V	31V	9W	11W
1200	25V	43V	24W	29W	24V	42V	17W	21W	24V	42V	11W	14W
1500	31V	54V	29W	37W	31V	53V	21W	26W	30V	52V	14W	18W
1800	37V	65V	35W	44W	37V	64V	25W	31W	36V	63V	17W	21W
2100	44V	76V	41W	51W	43V	74V	29W	36W	42V	73V	20W	25W
2400	50V	86V	47W	59W	49V	85V	33W	41W	48V	84V	23W	28W
2700	56V	97V	53W	66W	55V	96V	37W	46W	54V	94V	26W	32W
3000	62V	108V	59W	74W	61V	106V	41W	52W	60V	104V	28W	35W
3300	69V	119V	65W	81W	67V	117V	45W	57W	66V	115V	31W	39W
3600	75V	130V	71W	88W	73V	127V	50W	62W	72V	125V	34W	43W
3900	81V	140V	76W	96W	80V	138V	54W	67W	78V	136V	37W	46W
4200	87V	151V	82W	103W	86V	149V	58W	72W	84V	146V	40W	50W
4500	94V	162V	88W	110W	92V	159V	62W	77W	90V	157V	43W	53W
4800	100V	173V	94W	118W	98V	170V	66W	83W	96V	167V	45W	57W
5100	106V	184V	100W	125W	104V	181V	70W	88W	102V	177V	48W	60W
5400	112V	194V	106W	132W	110V	191V	74W	93W	108V	188V	51W	64W
5700	119V	205V	112W	140W	116V	202V	78W	98W	114V	198V	54W	67W
6000	125V	216V	118W	147W	122V	212V	83W	103W	120V	209V	57W	71W
6300	131V	227V	123W	154W	129V	223V	87W	108W	126V	219V	60W	74W
6600	137V	238V	129W	162W	135V	234V	91W	113W	132V	230V	62W	78W
6900	144V	248V	135W	169W	141V	244V	95W	119W	138V	240V	65W	82W
7200	150V	259V	141W	176W	147V	255V	99W	124W	144V	251V	68W	85W
7500	156V	270V	147W	184W	153V	266V	103W	129W	150V	261V	71W	89W
7800	162V	281V	153W	191W	159V	276V	107W	134W	156V	271V	74W	92W
8100	168V	292V	159W	198W	165V	287V	111W	139W	162V	282V	77W	96W
8400	175V	302V	165W	206W	171V	297V	116W	144W	168V	292V	79W	99W
8700	181V	313V	171W	213W	177V	308V	120W	150W	174V	303V	82W	103W
9000	187V	324V	176W	221W	184V	319V	124W	155W	180V	313V	85W	106W
9300	193V	335V	182W	228W	190V	329V	128W	160W	186V	324V	88W	110W
9600	200V	346V	188W	235W	196V	340V	132W	165W	192V	334V	91W	113W
9900	206V	356V	194W	243W	202V	350V	136W	170W	198V	345V	94W	117W
10200	212V	367V	200W	250W	208V	361V	140W	175W	204V	355V	96W	120W
10500	218V	378V	206W	257W	214V	372V	144W	180W	210V	365V	99W	124W
10800	225V	389V	212W	265W	220V	382V	149W	186W	216V	376V	102W	128W
11100	231V	400V	218W	272W	226V	393V	153W	191W	222V	386V	105W	131W
11400	237V	410V	223W	279W	233V	404V	157W	196W	228V	397V	108W	135W
11700	243V	421V	229W	287W	239V	414V	161W	201W	234V	407V	111W	138W
12000	250V	432V	235W	294W	245V	425V	165W	206W	240V	418V	113W	142W
12300	256V	443V	241W	301W	251V	435V	169W	211W	246V	428V	116W	145W

*Please contact our sales if L22(2200K) LED is the one of CCTs of the LED fixture. The connectable length is shorer than above table.

System configuration diagram



Min and Max. length per run for eldoLED DL0560A 2ch, 150-1400mA,DALI-2 DT6)

Rated Current	eldoLED Model No.	Rated wattage	Constant Current region	Connectable length range of LVVTH50
700mA	DL0560A-700mA	50W	2~55V	0.3-1.5m
500mA	DL0560A-500mA	50W	2~55V	0.3-1.5m
350mA	DL0560A-350mA	50W	2~55V	0.3-1.5m

Max birghtness when using this driver will be about half of its specification.

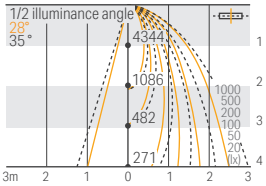
Vivoxy Graze THOF®

Illuminance data

700mA

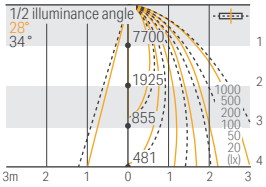
LVVTH50-1200-NL27-SP-I

Light source color	5000K
	N:100%, L27:0%
Brightness	4344 cd
Luminous flux	2482 lm
Color rendering index	Ra 90



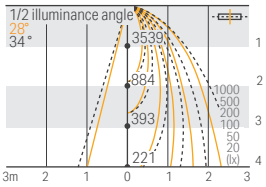
LVVTH50-1200-NL27-SP-I

Light source color	-
	N:100%, L27:100%
Brightness	7700 cd
Luminous flux	4387 lm
Color rendering index	Ra 92



LVVTH50-1200-NL27-SP-I

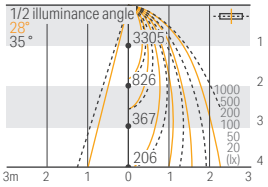
Light source color	2700K
	N:0%, L27:100%
Brightness	3539 cd
Luminous flux	1985 lm
Color rendering index	Ra 93



500mA

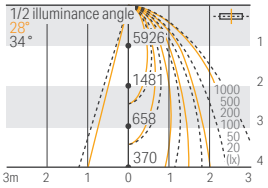
LVVTH50-1200-NL27-SP-I

Light source color	5000K
	N:100%, L27:0%
Brightness	3305 cd
Luminous flux	1896 lm
Color rendering index	Ra 90



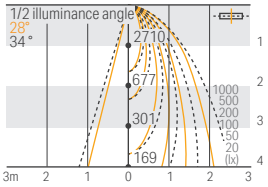
LVVTH50-1200-NL27-SP-I

Light source color	-
	N:100%, L27:100%
Brightness	5926 cd
Luminous flux	3377 lm
Color rendering index	Ra 94



LVVTH50-1200-NL27-SP-I

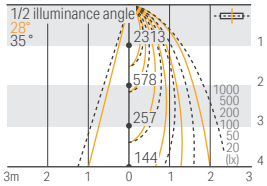
Light source color	2700K
	N:0%, L27:100%
Brightness	2710 cd
Luminous flux	1525 lm
Color rendering index	Ra 93



350mA

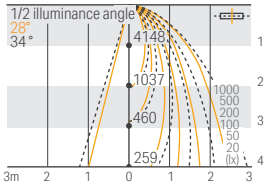
LVVTH50-1200-NL27-SP-I

Light source color	5000K
	N:100%, L27:0%
Brightness	2313 cd
Luminous flux	1328 lm
Color rendering index	Ra 90



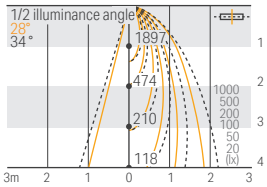
LVVTH50-1200-NL27-SP-I

Light source color	-
	N:100%, L27:100%
Brightness	4148 cd
Luminous flux	2364 lm
Color rendering index	Ra 93



LVVTH50-1200-NL27-SP-I

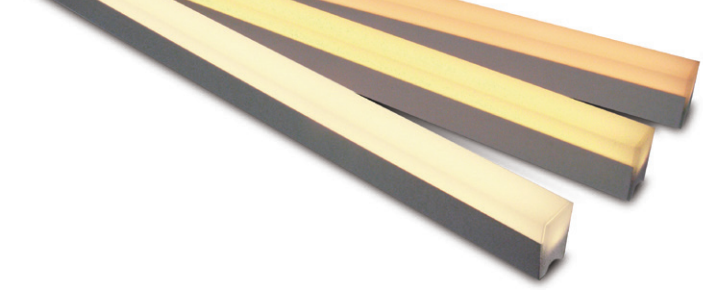
Light source color	2700K
	N:0%, L27:100%
Brightness	1897 cd
Luminous flux	1068 lm
Color rendering index	Ra 93



LRE

KOHNAN SHOJI CO., LTD
Location: Japan

THE WESTIN AWAJI ISLAND RESORT & CONFERENCE CENTER repair work
Location: Japan
Architect office: J.FRONT DESIGN & CONSTRUCTION Co.,Ltd.
Lighting design: KOIZUMI LIGHTING TECHNOLOGY CORP.
Construction: J.FRONT DESIGN & CONSTRUCTION Co.,Ltd.



Luci RECTA

Intense brightness for powerful cove lighting
as well as ambient lighting,
3 side emission simple design
for clean minimalist applications

Specifications

Dimensions

Cross section	W 24 x H 39 mm
Standard length	3 types of fixed length
Custom order	7 types of fixed length with MOQ

1003 | 907
806 | 705 | 604
503 | 407 | 306 | 205 | 103

Color temperature

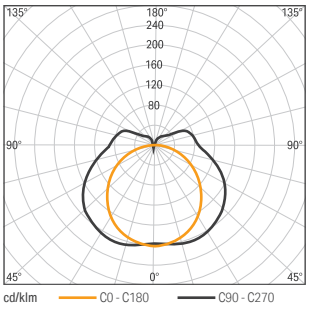
5000K | 4000K | 3500K | 3000K | 2700K | 2400K

Ra 90

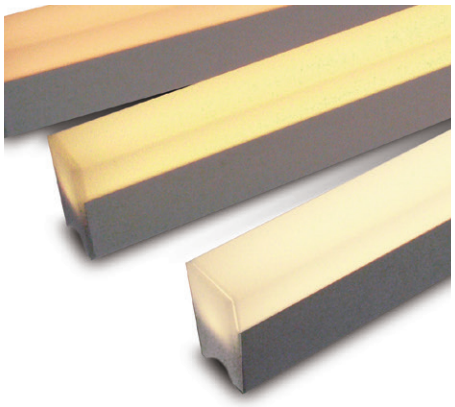
Electrical & Output

Power Consumption (W/m)	31.2	*Available for 20.8W/m type on request
Luminous flux @ 3000K (lm/m)	2226	

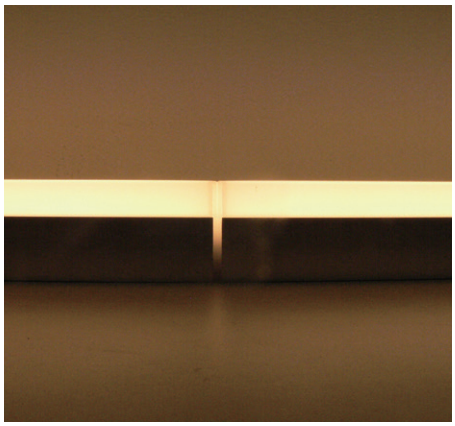
Light distribution



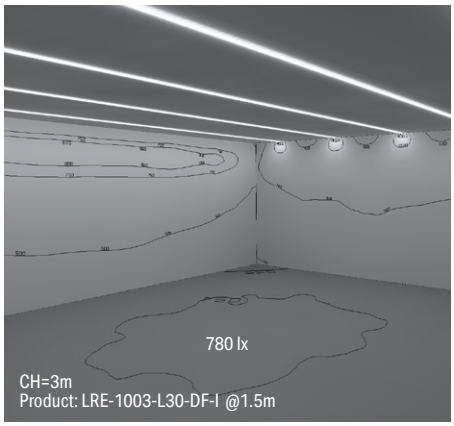
Features



Squared section with uniform and homogenous
3 side emitted surface



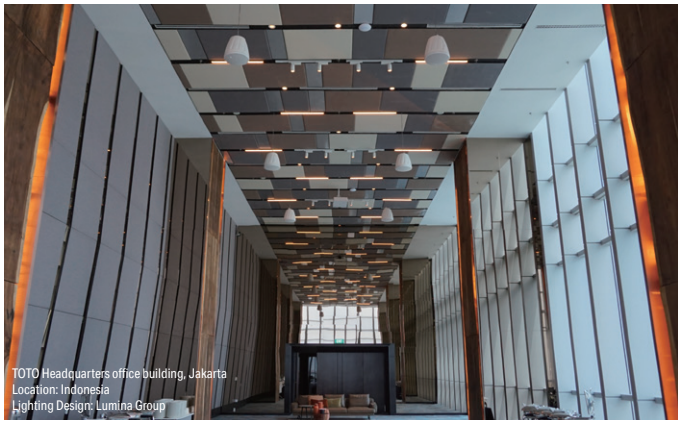
Seamless lighting at the joint
Neither clips nor cable can be seen



Give enough brigtness
for workspace with simple and stylish design

Project reference

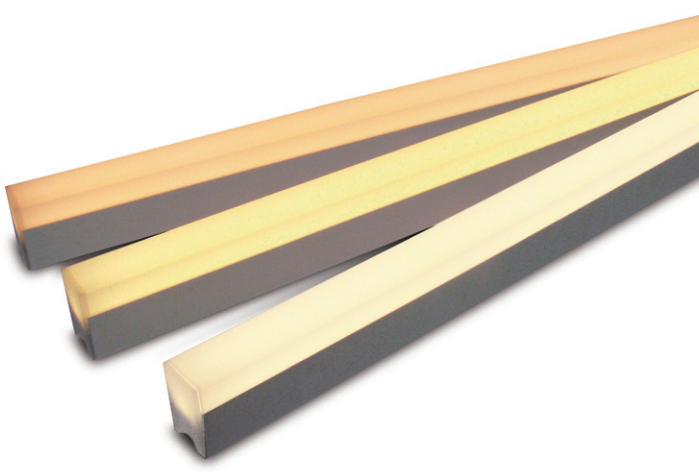
Treasure kids fureairyokuchi nursery school
Location: Japan
Architect office: KENSUKE TOHYAMA ARCHITECT & ASSOCIATES
Construction: TOYO CONSTRUCTION CO., LTD.
Photo: Stirling Elmendorf



TOTO Headquarters office building, Jakarta
Location: Indonesia
Lighting Design: Lumina Group

Luci RECTA

LRE



Color management
MacAdam 3 step

3 years warranty

- Over 2,000 lm/m output for surface mount and indirect lighting
- Seamless and homogeneous 3 surface-emitting light

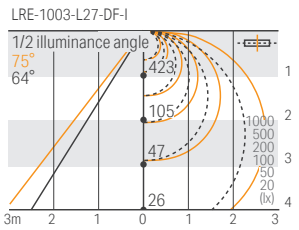
Model No.

LRE - □□□ - □ - DF - I

Product Name	Length	Light source color	Cover Type	Environment
LRE	0103 0503 1003	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K	DF : Diffuser	I : Indoors

Light Intensity

Refer to P.117



Specification

Length	0103	0503	1003
Model No.	LRE-0103-□-DF-I	LRE-0503-□-DF-I	LRE-1003-□-DF-I
Power consumption	3.1W	15.6W	31.2W
Fitting length(L)	103mm	503mm	1003mm
Weight	50g	220g	420g
Luminaire efficacy(2700K)	74.7 lm/W	74.7 lm/W	74.7 lm/W
Light source color	○ = Device inventory		
D 7100K	-	-	-
N 5000K Ra92	○ 238lm	○ 1190lm	○ 2380lm
W 4000K Ra92	○ 238lm	○ 1190lm	○ 2380lm
WW 3500K Ra93	○ 230lm	○ 1151lm	○ 2303lm
L30 3000K Ra94	○ 222lm	○ 1113lm	○ 2226lm
L27 2700K Ra93	○ 215lm	○ 1075lm	○ 2150lm
L24 2400K Ra93	○ 199lm	○ 998lm	○ 1996lm
L19 1900K	-	-	-

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

Custom length

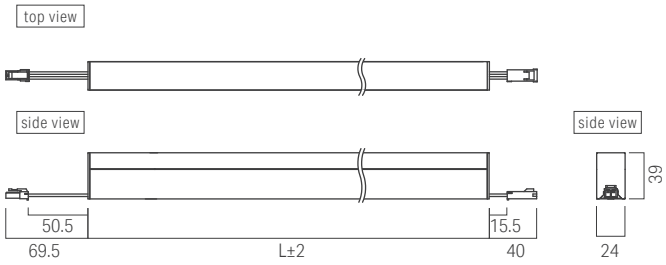
Length	0205	0306	0407	0604	0705	0806	0907
Model No.	LRE-0205-＊-DF-I	LRE-0306-＊-DF-I	LRE-0407-＊-DF-I	LRE-0604-＊-DF-I	LRE-0705-＊-DF-I	LRE-0806-＊-DF-I	LRE-0907-＊-DF-I
Power consumption	6.2W	9.3W	12.5W	18.7W	21.8W	24.9W	28.0W
Fitting length(L)	205mm	306mm	407mm	604mm	705mm	806mm	907mm

Please contact us since it is made-to-order products and has MOQ.

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	3.3m
Material (body)	Polycarbonate, Aluminum
Attachments	❶ Mounting parts 2pcs
Option parts	❶ Mounting parts ❷ Power supply cable ❸ Joint cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

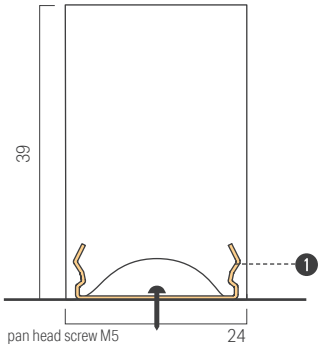
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) During dimmer use	Power supply
～1.1m	50W power supply
～2.2m	100W power supply
～3.3m	150W power supply

Cross sectional view



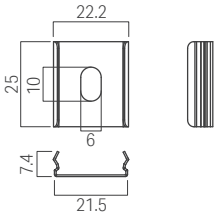
Option parts

1 Mounting parts A **Attachment**

Model No : LTH-PTA

Attached with LED fixture
2 pcs / bag

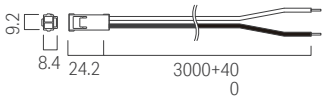
For extra order
2 pcs / bag



2 Power supply cable 3M

Model No : CAD-3000-MCNN-I

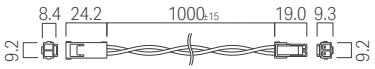
1 pc per circuit for connecting the LED fixture
to power supply or dimmer driver.



3 Joint cable 1M

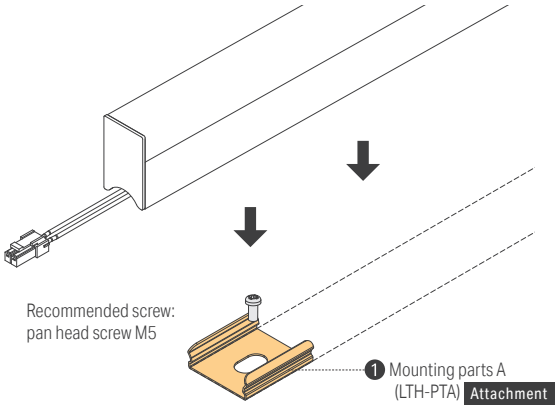
Model No : CAD-1000-MCFC-I

Joint cable between two LED fixtures



Installing the product

For horizontal installation

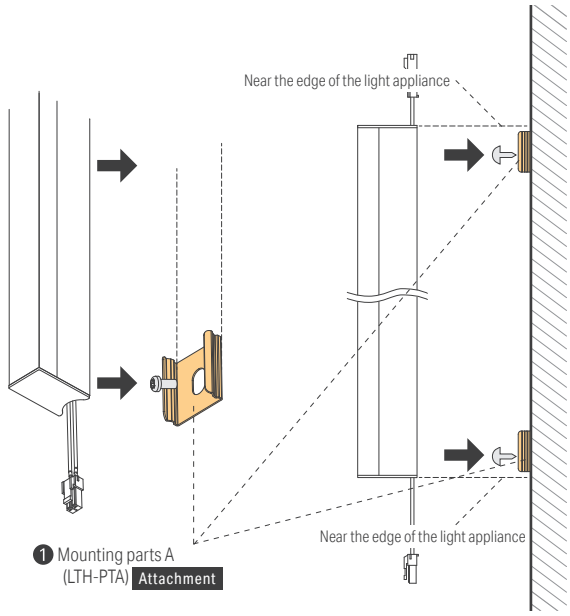


⚠ Cautions

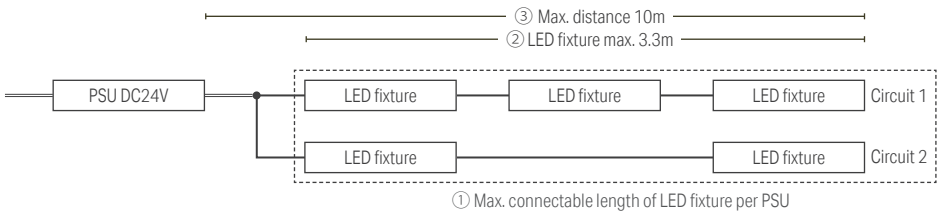
- Do not recess the LED fixture on the wall without any clearance or heat dissipation for releasing the heat of the LED fixture.

- To avoid the mounting parts being deformed, DO NOT over-screw the screws, use countersunk screw and install the LED fixture forcefully when the mounting parts are misaligned.
  When using deformed Mounting parts, the LED fixture may drop from the Mounting parts. Make sure the LED fixture is fixed tightly after installation.

For vertical installation



System configuration diagram

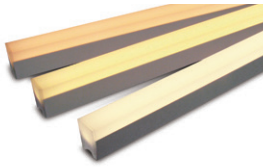


① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Illuminance data



LRE
Luci RECTA

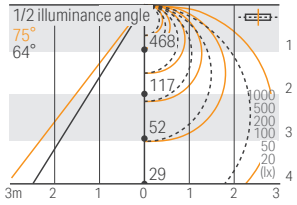
Color temparature

5000K 4000K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

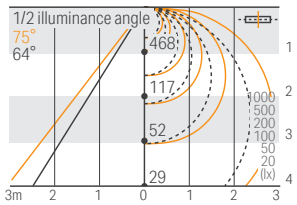
LRE-1003-N-DF-I

Light source color	5000K
Brightness	468 cd
Luminous flux	2380 lm
Color rendering index	Ra 92



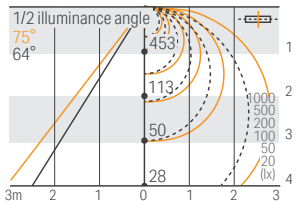
LRE-1003-W-DF-I

Light source color	4000K
Brightness	468 cd
Luminous flux	2380 lm
Color rendering index	Ra 92



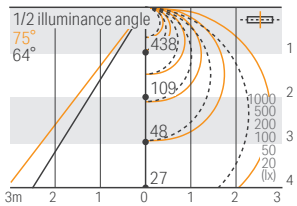
LRE-1003-WW-DF-I

Light source color	3500K
Brightness	453 cd
Luminous flux	2303 lm
Color rendering index	Ra 93



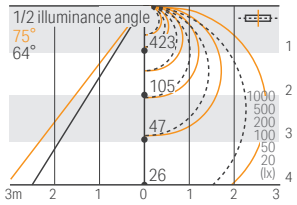
LRE-1003-L30-DF-I

Light source color	3000K
Brightness	438 cd
Luminous flux	2226 lm
Color rendering index	Ra 94



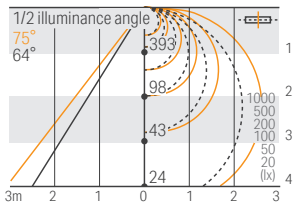
LRE-1003-L27-DF-I

Light source color	2700K
Brightness	423 cd
Luminous flux	2150 lm
Color rendering index	Ra 93



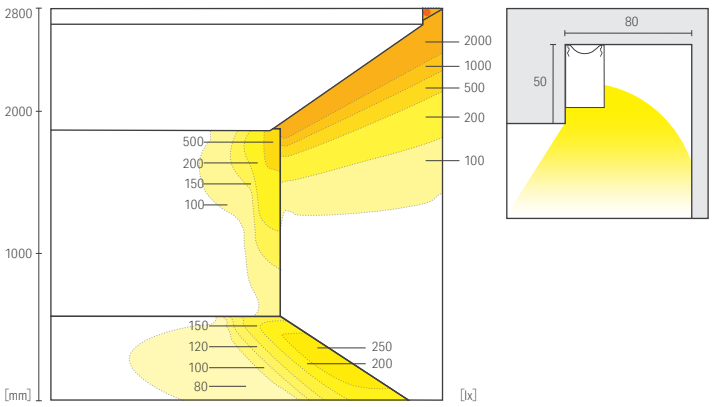
LRE-1003-L24-DF-I

Light source color	2400K
Brightness	393 cd
Luminous flux	1996 lm
Color rendering index	Ra 93

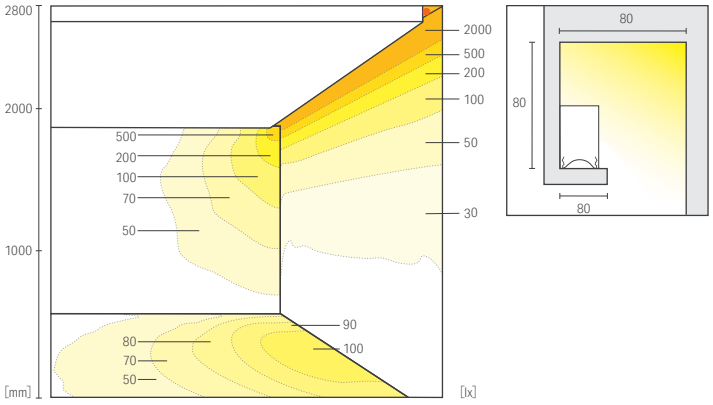


Recommendend dimensions and illumination distribuitions

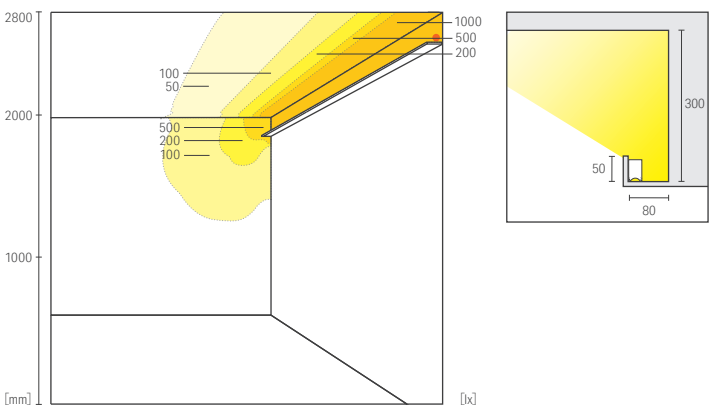
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



LTH RENEWAL

Medical Corporation Showa-kai Hokkaido Gastroenterology Hospital
Location: JAPAN
Lighting Design: DESIGN Lab. +Ca

KOHNAN SHOJI CO., LTD
Location: Japan

Luci THOF®

Tunable white with intense brightness
for powerful cove lighting as well as ambient lighting,
3 side emission simple design for clean minimalist applications
Free choice of two different CCTs efficiently emphasizing design intent,
ambiance and circadian lighting

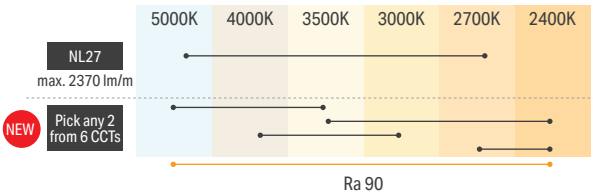
Specifications

Dimensions

Cross section	W 24 x H 39 mm
Standard length	3 types of fixed length
Custom order	7 types of fixed length with MOQ

1003 | 907
806 | 705 | 604
503 | 407 | 306 | 205 | 103

Color temperature

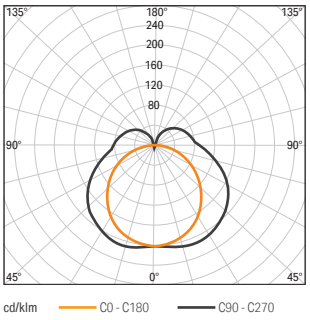


Electrical & Output

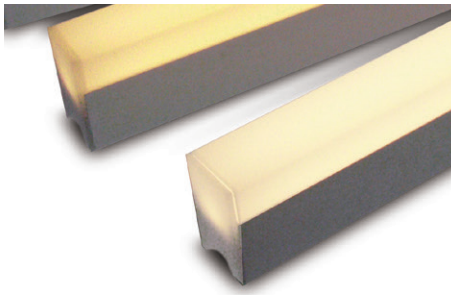
@NL27 (N: 5000K, L27: 2700K)

Color temperature	N 100%	N 100% / L27 100%	L27 100%
Power Consumption (W/m)	15.6	31.2	15.6
Luminous flux (lm/m)	1213	2370	1096

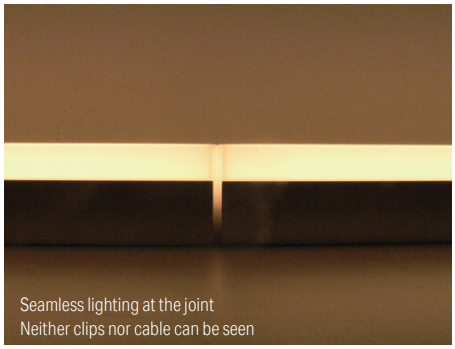
Light distribution



Features



Squared section with uniform and homogenous
3 side emitted surface



Seamless lighting at the joint
Neither clips nor cable can be seen

Project reference

Commercial building

Recommended CCT range
N:5000K - L27: 2700K

AMU PLAZA OITA
Location: Japan
Architect office: NIHON SEKKEI,INC.
Construction: OBAYASHI CORPORATION

Mirror Light

Recommended CCT range
N:5000K - L27: 2700K

Enable to light face and avoid shadows when applying makeup. Skin and clothing can be checked on how they look during the day, in the evening, or in a dark room.

IINO HIROO STUDIO
Location: Japan
Design supervisor, Owner: IINO MEDIAPRO CO.,LTD.
Architect office: YAMADA SHOMEI LIGHTING CO.,LTD.
Construction: M'S CO.,LTD.

THOF®

LTH RENEWAL

Color management
MacAdam 3 step

3 years warranty

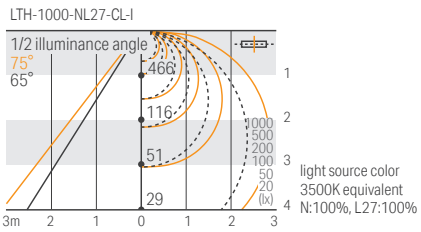
- Dynamic white by 2ch control signals
- Seamless, 3 surface-emitting light with eliminated dots
- Available for customising colour combination with MOQ

Model No.

LTH - □□□ - □□ - DF - I

Product Name	Length	Light source color	Cover Type	Environment
LTH	0100 0500 1000	Higher CCT | Lower CCT Select 2 CCTs N : 5000K W : 4200K WW : 3500K L30 : 3000K L27 : 2700K L24 : 2400K	DF : Diffuser	I : Indoors

Light Intensity Refer to P.123



Specification

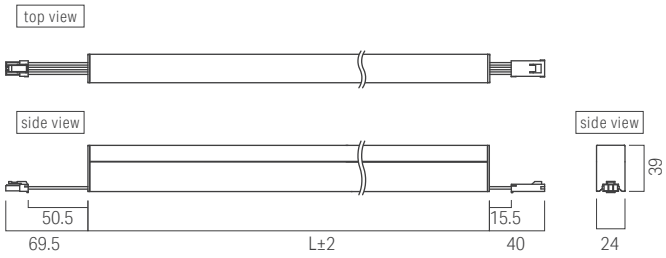
Length	0100	0500	1000
Model No.	LTH-0100-NL27-DF-I	LTH-0500-NL27-DF-I	LTH-1000-NL27-DF-I
Power consumption	3.1W (Max)	15.6W (Max)	31.2W (Max)
Fitting length(L)	103mm	503mm	1003mm
Weight	50g	210g	400g
Luminaire efficacy(2700K)	76.1 lm/W	76.1 lm/W	76.1 lm/W
Light source color	○ = Device inventory		
ex. NL27 5000K~2700K	○	○	○
Dimming rate			
N 100%, L27 0% Ra94	121 lm	606 lm	1213 lm
N 100%, L27 100% Ra95	237 lm	1185 lm	2370 lm
N 0%, L27 100% Ra94	109 lm	548 lm	1096 lm

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	4m
Material (body)	Polycarbonate, Aluminum
Attachments	❶ Mounting parts 2pcs
Option parts	❶ Mounting parts ❷ Power supply cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

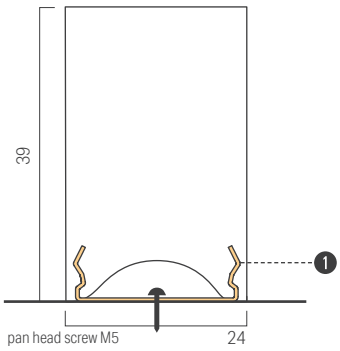
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) During dimmer use	Power supply
~1.2m	50W power supply
~2.5m	100W power supply
~4m	150W power supply

Cross sectional view



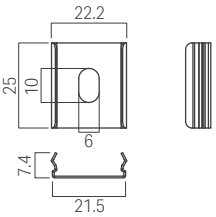
Option parts

1 Mounting parts A **Attachment**

Model No : LTH-PTA

Attached with LED fixture
2 pcs / bag

For extra order
2 pcs / bag

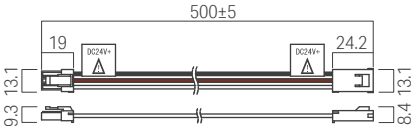


2 Power supply cable 500mm for THOF

Model No : CAD-0500-MDFD-I

1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.

Black : +
White : 1ch- (light source color: white)
Brown : 2ch- (light source color: warm white)

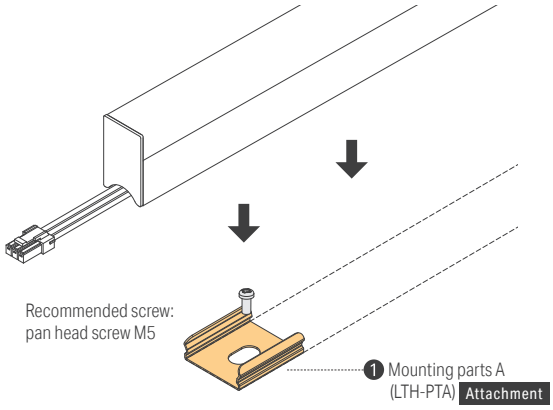


CRI and luminous flux data for each CCT combination

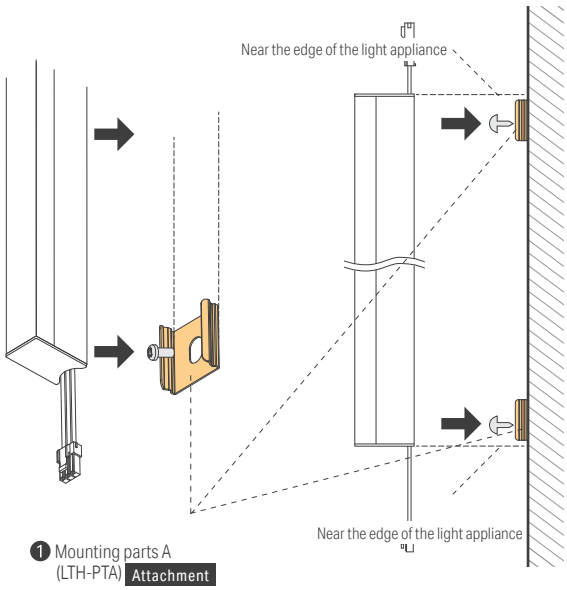
Light source color		Ratio of output			Length: 100		Length: 500		Length: 1000	
					Ra	lm	Ra	lm	Ra	lm
N W	N	100%	W	0%	95	121	95	606	95	1213
		100%		100%	94	233	94	1166	95	2332
		0%		100%	93	115	93	575	93	1150
N WW	N	100%	WW	0%	95	121	95	606	95	1213
		100%		100%	95	500	95	1000	95	2000
		0%		100%	93	106	93	530	93	1060
N L30	N	100%	L30	0%	95	121	95	606	95	1213
		100%		100%	96	222	96	1111	96	2222
		0%		100%	92	106	92	531	92	1062
N L27	N	100%	L27	0%	95	121	95	606	95	1213
		100%		100%	94	237	94	1185	94	2370
		0%		100%	94	109	94	548	94	1096
N L24	N	100%	L24	0%	95	121	95	606	95	1213
		100%		100%	96	212	96	1061	96	2122
		0%		100%	91	99	91	497	91	994
W WW	W	100%	WW	0%	93	115	93	575	93	1150
		100%		100%	94	219	94	1097	94	2194
		0%		100%	93	106	93	530	93	1060
W L30	W	100%	L30	0%	93	115	93	575	93	1150
		100%		100%	93	222	93	1111	93	2222
		0%		100%	92	106	92	531	92	1062
W L27	W	100%	L27	0%	93	115	93	575	93	1150
		100%		100%	94	213	94	1067	94	2134
		0%		100%	94	109	94	548	94	1096
W L24	W	100%	L24	0%	93	115	93	575	93	1150
		100%		100%	94	216	94	1080	94	2160
		0%		100%	91	99	91	497	91	994
WW L30	WW	100%	L30	0%	93	106	93	530	93	1060
		100%		100%	94	211	94	1053	94	2106
		0%		100%	92	106	92	531	92	1062
WW L27	WW	100%	L27	0%	93	106	93	530	93	1060
		100%		100%	91	210	91	1051	91	2102
		0%		100%	94	109	94	548	94	1096
WW L24	WW	100%	L24	0%	93	106	93	530	93	1060
		100%		100%	94	204	94	1020	94	2040
		0%		100%	91	99	91	497	91	994
L30 L27	L30	100%	L27	0%	92	106	92	531	92	1062
		100%		100%	93	205	93	1027	93	2054
		0%		100%	94	109	94	548	94	1096
L30 L24	L30	100%	L24	0%	92	106	92	531	92	1062
		100%		100%	93	204	93	1020	93	2040
		0%		100%	91	99	91	497	91	994
L27 L24	L27	100%	L24	0%	94	109	94	548	94	1096
		100%		100%	92	197	92	987	92	1974
		0%		100%	91	99	91	497	91	994

Installing the product

For horizontal installation



For vertical installation



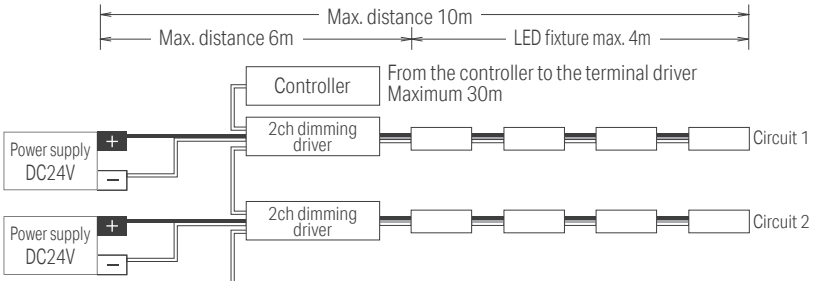
⚠ Cautions

- Do not recess the LED fixture on the wall without any clearance or heat dissipation for releasing the heat of the LED fixture.
- To avoid the mounting parts being deformed, DO NOT over-screw the screws, use countersunk screw and install the LED fixture forcefully when the mounting parts are misaligned. When using deformed Mounting parts, the LED fixture may drop from the Mounting parts. Make sure the LED fixture is fixed tightly after installation.

System configuration diagram

- Max. connectable total length of LED fixture per driver depends on the capacity of the driver and power supply.
- Max. length per circuit of Luci THOF is 4m.
  If it exceeds 4m, please split into multiple circuits.
- Max. distance from the power supply to the end of LED fixture is 10 m.
- Twist shield cable is recommended to use as a signal cable.

Use an appropriate signal cable and install it according to the instructions caution of the signal cable installation.



Luci original dynamic white dimmer controller

Use these together

PWM Light Controller for THOF (LLC-PLC-T)

2 channel mode: switching channel by pressing the knob for dimming each separately
Dim-to-warm mode: rotating knob to change CCT and brightness at the same time.

Input voltage	DC12~24V
Input current	Max.5A
Output current	Max.5A
Size	W70*H120*D42 mm
Usage environment	Indoors

Multi Controller Switch for THOF (LLC-MFC-SWC)

Switch for calling a preset scene in LLC-MFC-11 and manual slider for dimming.

Input voltage	DC12~24V
Input current	Max.100mA
Output current	Max.5A
Size	W70*H120*D40 mm
Usage environment	Indoors

Multi Controller (LLC-MFC-11)

Input voltage	DC12~24V
Input current	
Output current	1A max/CH
Size	W232.5*H124*D33.5mm
Usage environment	Indoors

Luci original dynamic white dimmer driver

PWM Dimming driver 5A for THOF (LLC-PWM5A-T)

Dimmer driver for LLC-PLC-T and LLC-MFC-10 (dimming protocol: PWM)

Input voltage	DC12~24V
Input current	Max. 5A
Output current	Max.5A
Size	W130*H75*D27 mm
Usage environment	Indoors

0-10V dynamic white dimmer driver

2ch 0-10V dimmer driver (DIM-S2L8V-O) EUCHIPS

Input voltage	DC12~24V
Output current	8A/2CH(for Brightness mode) Totally 8A(for CCT mode)
Size	W167*H51*D23mm
Usage environment	Indoors

*Dimmers and controllers from other manufacturers can be used with these LED fixtures. For more information, please contact our sales.

Illuminance data

LTH
Luci THOF

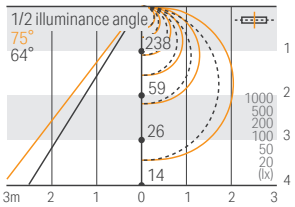
Color temparature

5000K~2700K

Direct horizontal surface light intensity distribution chart

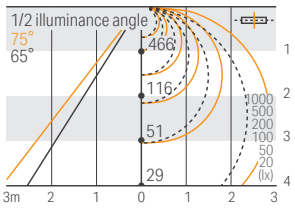
LTH-1000-NL27-CL-I

Light source color	5000K
	N:100%, L27:0%
Brightness	238 cd
Luminous flux	1213 lm
Color rendering index	Ra 95



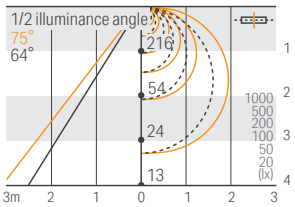
LTH-1000-NL27-CL-I

Light source color	3500K equivalent
	N:100%, L27:100%
Brightness	466 cd
Luminous flux	2370 lm
Color rendering index	Ra 94



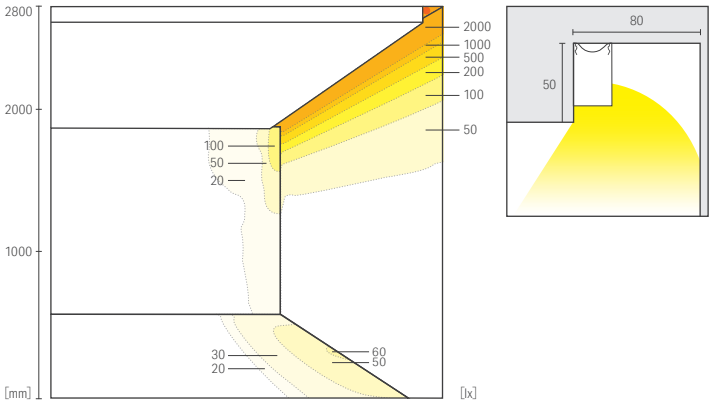
LTH-1000-NL27-CL-I

Light source color	2700K
	N:0%, L27:100%
Brightness	216 cd
Luminous flux	1096 lm
Color rendering index	Ra 94

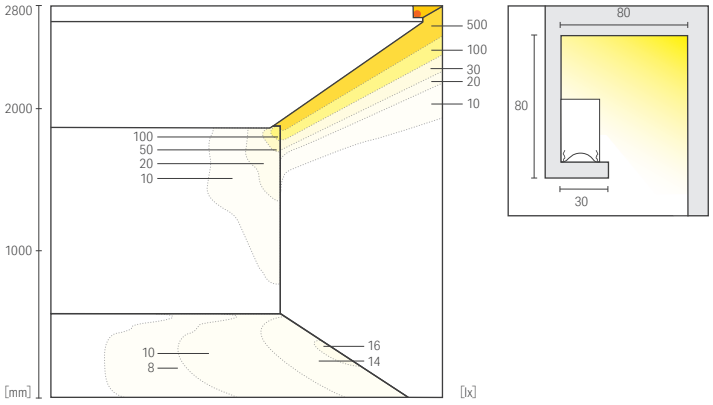


Recommendend dimensions and illumination distribuitions

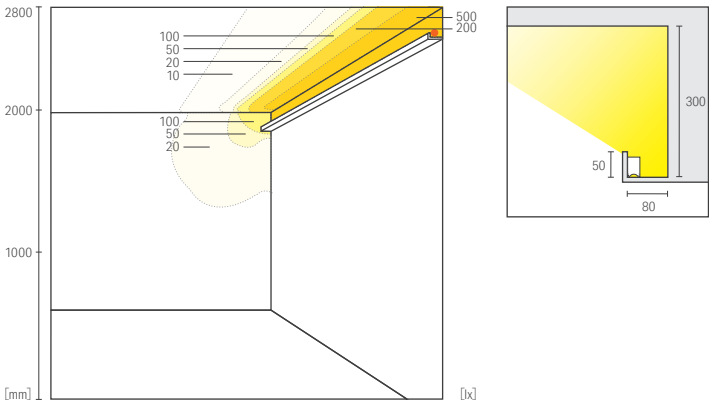
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



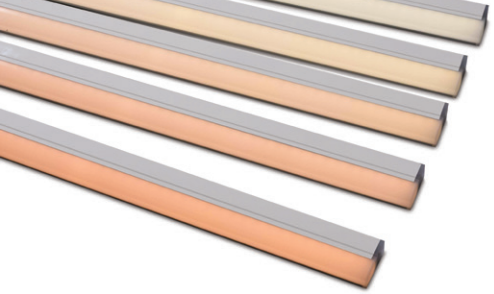
Cove lighting CH=2800



LCEF / LCEL

Ibaraki Western Medical Center
Location: Japan
Architect office: YAMASHITA□NEMOTOHIDE SEKKEI JV
Lighting Design: YAMASHITA SEKKEI INC.
Construction: MAEDA CORPORATION
Photo: Ca'd'Oro/SASAKI TOSHINORI

TRUSCO NAKAYAMA KYOTO KAGURAOKA RENGETUSOU
Location: Japan
Architect office: NIKKEN SEKKEI LTD.
Photo: Kouji Horiuchi



Luci Creide® F / Luci Creide® lens

Only 17.4 mm in height with a quadrant luminous surface
to be hidden into a cove
Tilted peak intensity angle for wide and smooth light effect
LCEF: dots-free surface,
LCEL: narrower spread angle with the extruded optical lens inside

Specifications

Dimensions

Cross section W 42.5 x H 17.4 mm
Length 6 types of fixed length

1459		1169	
880	510	300	151

Electrical & Output

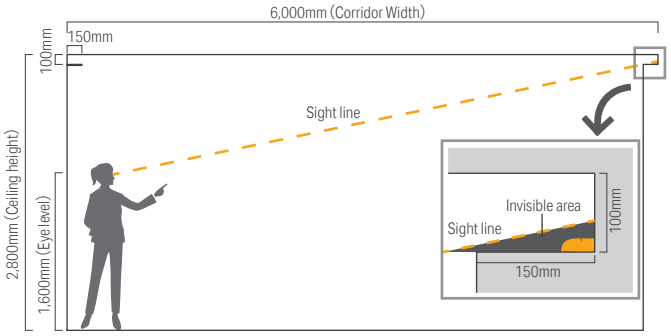
Model	LCEF	LCEL
Power Consumption (W/m)	20.7	20.7
Luminous flux @ 3000K (lm/m)	1263	1221

Color temperature

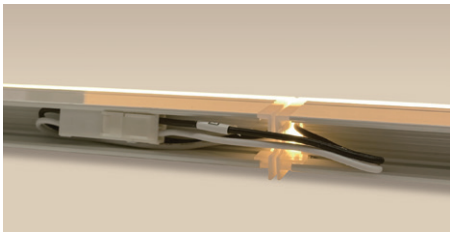
4000K | 3500K | 3000K | 2700K | 2400K

Ra 90

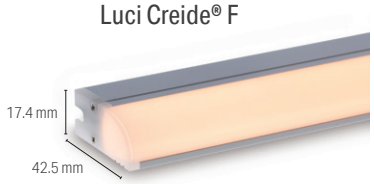
Features

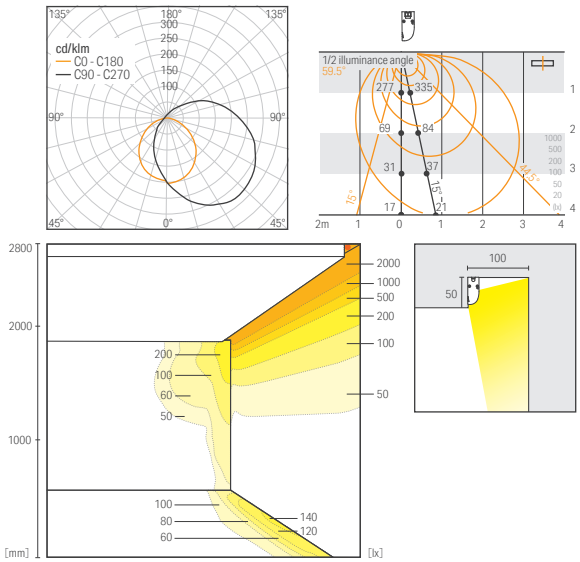


Connectors are concealed behind lighting fixtures

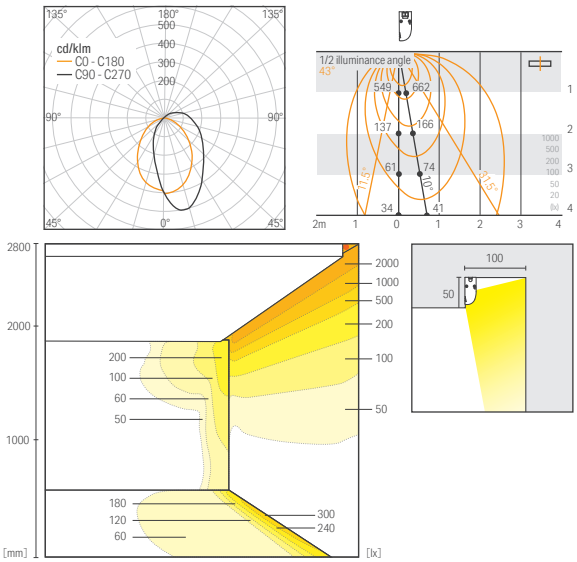


Luci Creide® F

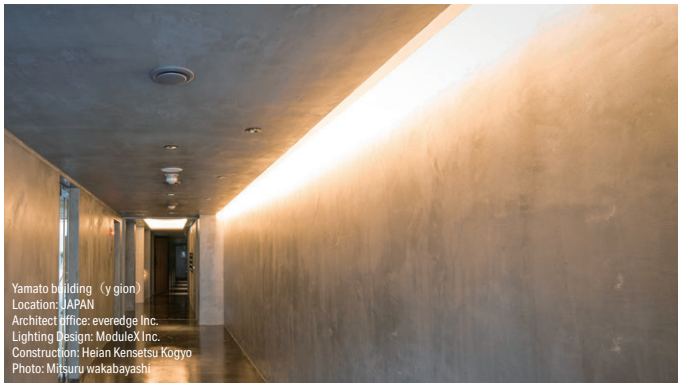




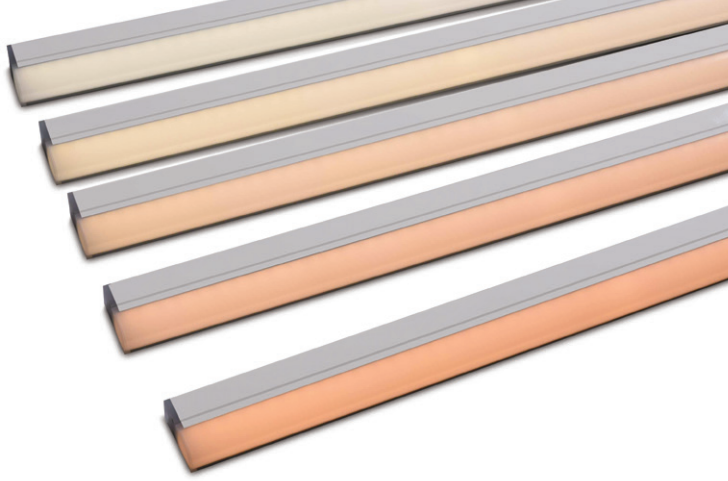
Luci Creide® lens



Hotel Asia Center of Japan
Location: Japan
Architect office: Fukuoka Urban Laboratory LLC + SHOWA Interior & Facilities Industry CO., LTD.
Lighiting Design, Construction: SHOWA Interior & Facilities Industry CO., LTD.


Yamato building （y gion）
Location: JAPAN
Architect office: everedge Inc.
Lighting Design: ModuleX Inc.
Construction: Heian Kensetsu Kogyo
Photo: Mitsuru wakabayashi

LCEF / LCEL



Color management
MacAdam 3 step

3 years warranty

- For cove and wall grazer light with only 17.4mm height easy to be hidden
- Creide F: wider spread angle with diffuser cover
- Creide lens F: narrower spread angle with the lens in diffused cover

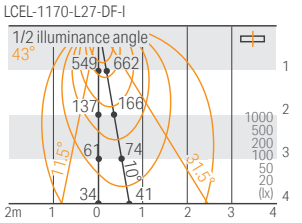
Model No.

LCE □ - □□□□ - □ - DF - I

Product Name	Length	Light source color	Cover Type	Environment
F : F L : lens	0150 0300 0510 0880 1170 1460	W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K	DF : Diffuser	I : Indoor

Light Intensity

Refer to P.130



Specification

Length	0150	0300	0510	0880	1170	1460
Fitting length(L)	151mm	300mm	510mm	880mm	1169mm	1459mm
Power consumption	3.0W	6.0W	10.6W	18.1W	24.2W	30.2W

Creide F

Length			0150	0300	0510	0880	1170	1460
Model No.			LCEF-0150-□-DF-I	LCEF-0300-□-DF-I	LCEF-0510-□-DF-I	LCEF-0880-□-DF-I	LCEF-1170-□-DF-I	LCEF-1460-□-DF-I
Weight			70g	133g	218g	365g	485g	620g
Luminaire efficacy(2700K)			62.0 lm/W	62.0 lm/W	62.0 lm/W	62.0 lm/W	62.0 lm/W	62.0 lm/W
Light source color			○ = Device inventory	* = Equivalent				
W	4000K	Ra92	○ 195lm	○ 391lm	○ 684lm	○ 1174lm	○ 1565lm	○ 1956lm
WW	3500K	Ra93	○ 189lm	○ 378lm	○ 662lm	○ 1135lm	○ 1514lm	○ 1892lm
L30	3000K	Ra94	○ 184lm	○ 369lm	○ 646lm	○ 1108lm	○ 1478lm	○ 1847lm
L27	2700K	Ra93	○ 174lm	○ 349lm	○ 612lm	○ 1049lm	○ 1399lm	○ 1749lm
L24	2400K	Ra93	○ 163lm	○ 327lm	○ 573lm	○ 982lm	○ 1310lm	○ 1638lm

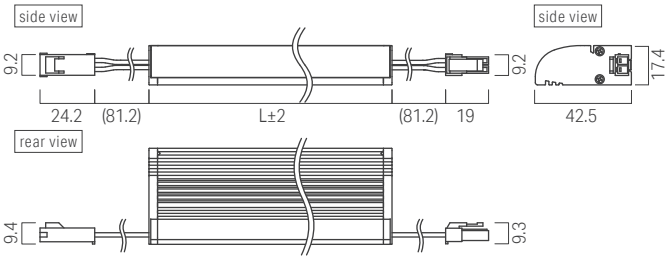
Creide lens

Length			0150	0300	0510	0880	1170	1460
Model No.			LCEL-0150-□-DF-I	LCEL-0300-□-DF-I	LCEL-0510-□-DF-I	LCEL-0880-□-DF-I	LCEL-1170-□-DF-I	LCEL-1460-□-DF-I
Weight			79g	151g	240g	420g	558g	712g
Luminaire efficacy(2700K)			59.7 lm/W	59.7 lm/W	59.7 lm/W	59.7 lm/W	59.7 lm/W	59.7 lm/W
Light source color			○ = Device inventory	* = Equivalent				
W	4000K	Ra92	○ 190lm	○ 381lm	○ 668lm	○ 1145lm	○ 1527lm	○ 1908lm
WW	3500K	Ra93	○ 184lm	○ 369lm	○ 646lm	○ 1108lm	○ 1477lm	○ 1847lm
L30	3000K	Ra94	○ 178lm	○ 357lm	○ 625lm	○ 1071lm	○ 1428lm	○ 1785lm
L27	2700K	Ra93	○ 172lm	○ 344lm	○ 603lm	○ 1034lm	○ 1379lm	○ 1724lm
L24	2400K	Ra93	○ 160lm	○ 320lm	○ 560lm	○ 960lm	○ 1280lm	○ 1600lm

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	5m
Material (body)	Polycarbonate, Aluminum
Attachments	❶ Mounting clip 1 pc for 150 mm 2 pcs for 300 mm and 510 mm 3 pcs for 880 mm and 1170 mm 4 pcs for 1460 mm
Option parts	❶ Mounting clip ❷ Outerclip ❸❹ Magnet set ❺ Power supply cable ❻ Joint cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

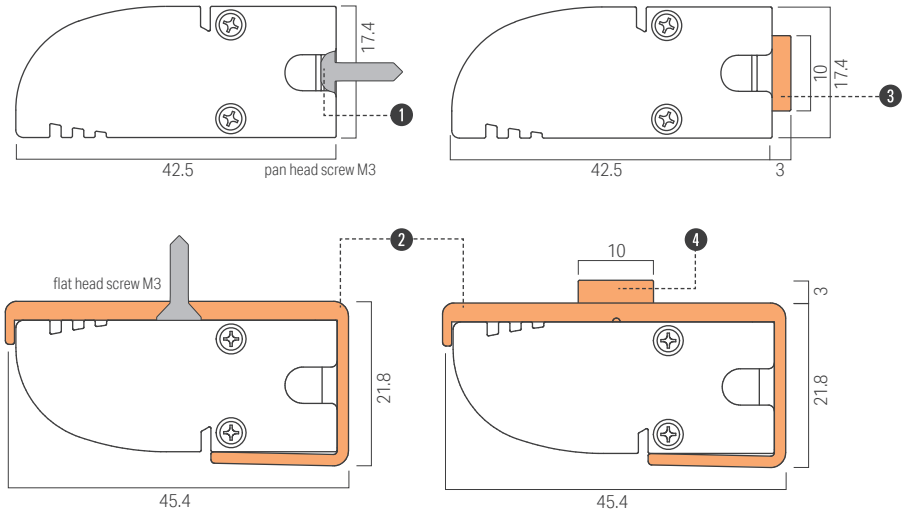
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
~ 1.6 m	50W power supply
~ 3.5 m	100W power supply
~ 5.3 m*	150W power supply

Cross sectional view when installing optional items



Option parts

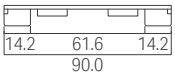
1 Mounting clip A for Creide **Attachment**

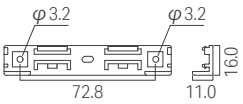
Model No : LCE-PT-A

Attached with LED fixture
1 pc for 150mm
2 pcs for 300mm and 510mm
3 pcs for 880mm and 1170mm
4 pcs for 1460

For extra order
2 pcs / bag

For magnet installation,
please refer the required number
of clip to the table on P.129.



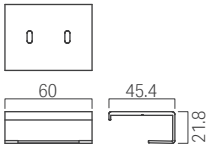


2 Outer clip for Creide

Model No : LCE-PT-B

2 pcs/bag
Recommended number
1 pc for 150 mm
2 pcs for 300 mm
3 pcs for 510 mm
4 pcs for 880 mm and 1170 mm
5 pcs for 1460 mm

For magnet installation,
please refer the required number
of clip to the table on P.129.



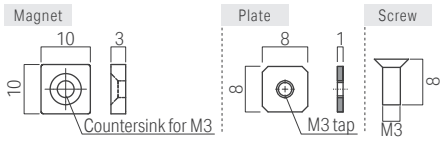
3 Magnet Set L

Model No : MG-L

10 sets/bag

Required 2 pcs per Mounting clip A

Used for installing LED fixture with **1** Mounting clip A on metal plate.
Metal plate is required by installer.



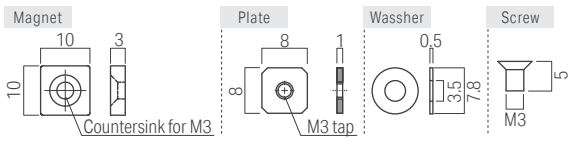
4 Magnet Set A

Model No : MG-A

5 sets/bag

Required 2 pcs per Outer clip

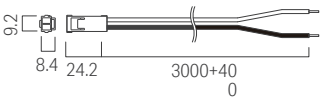
Used for installing LED fixture with **2** Outer clip for Creide on metal plate.
Metal plate is required by installer.

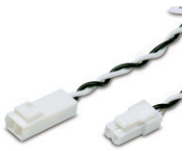


5 Power supply cable 3M

Model No : CAD-3000-MCNN-I

1 pc per circuit for connecting the LED fixture
to power supply or dimmer driver.

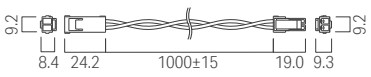




6 Joint cable 1M

Model No : CAD-1000-MCFC-I

Joint cable between two LED fixtures



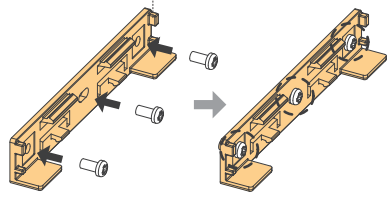
Luci Creide® F / Luci Creide® lens

Installing the product

Mounting clip A installation: behind fixing

Recommended screw:
pan head screw M3

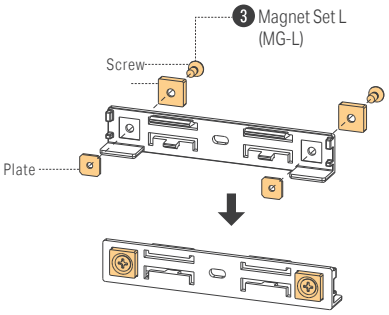
❶ Mounting clip A for Creide (LCE-PT-A) Attachment

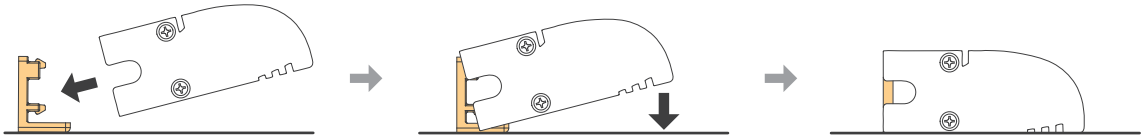


Recommend to use at least 3 pcs per meter with less than 380mm pitch.

Use three screws per one Mounting clip A.

Magnet installation





Mounting clips should be installed in the position (as shown above).

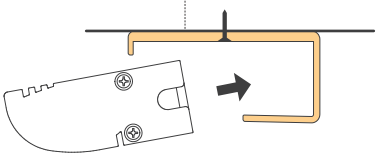
Clasp the LED fixture onto the preset mounting clips (a click sound will be produced once it is tightly fastened).

Ensure that there are no gaps in between fixture and surface

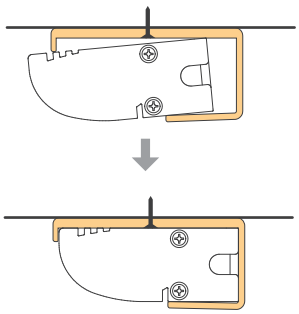
Outer clip installation

Recommended screw:
flat head screw M3

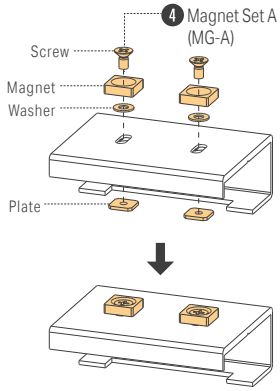
❷ Outer clip for Creide (LCE-PT-B)



Recommend to use at least 3 pcs per meter with less than 380mm pitch.

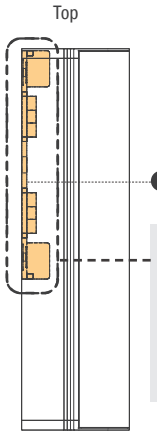


Magnet installation



If the flat head screw is short and the plate does not tighten, please remove the washer.

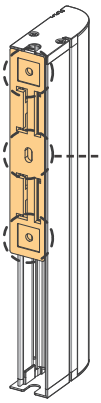
For vertical installation



❶ Mounting clip A for Creide (LCE-PT-A) Attachment

For vertical installation, make sure the LED fixture hook on the edge of the mounting clip in accordance to the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the mounting clip, it may slide down and fall.

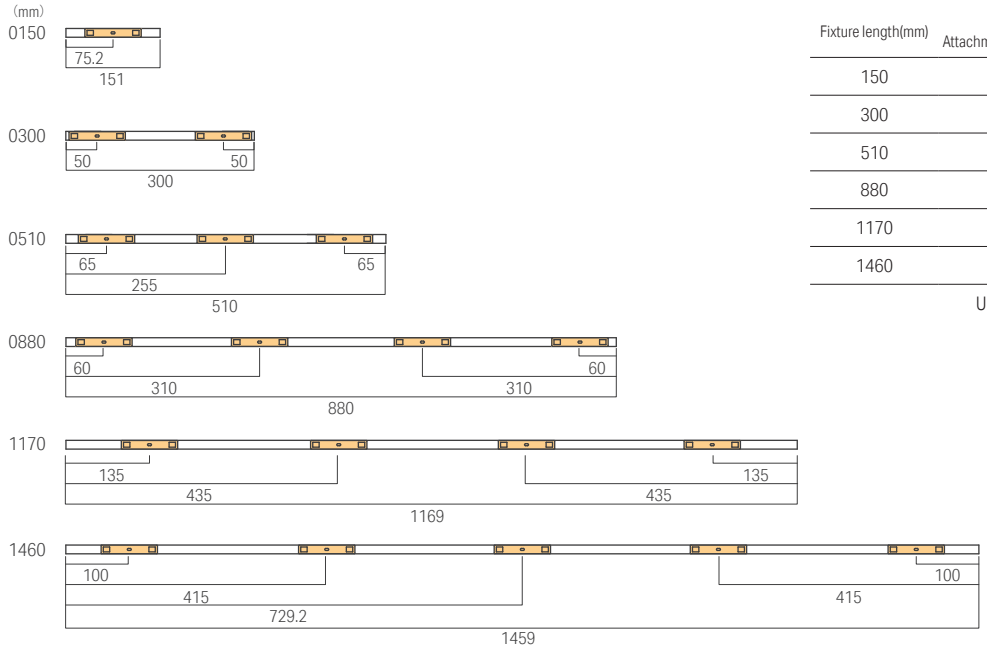
Recommended screw:
pan head screw M3



Secure 1 mounting clip with 3 screws
Caution: If using only 1 or 2 screws, the LED fixture may fall since the holding force is not enough.

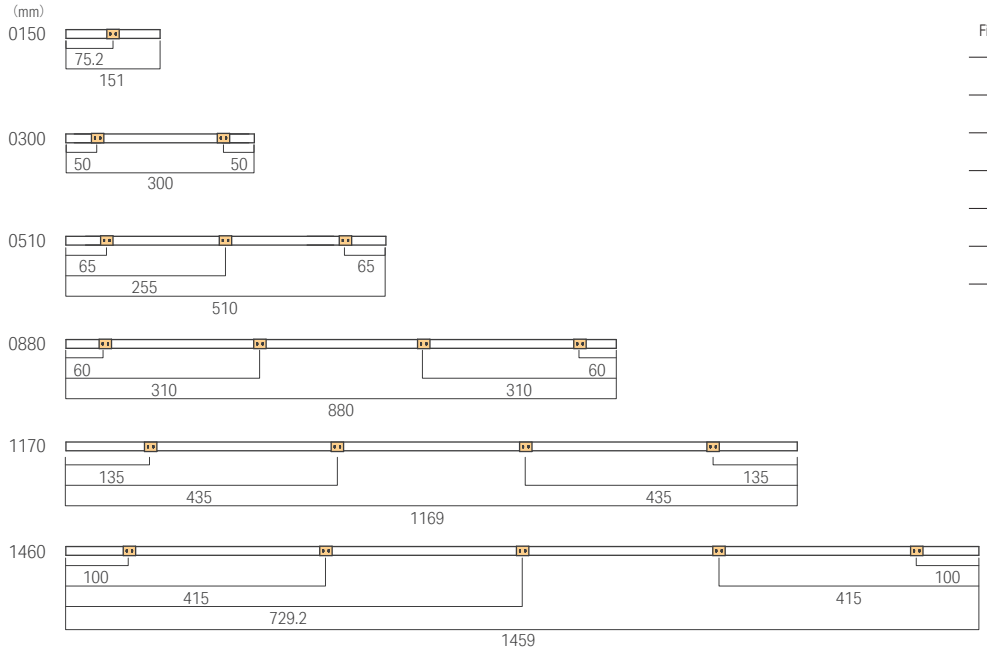
Installing the product

Recommended number of Moutning clips and magnets



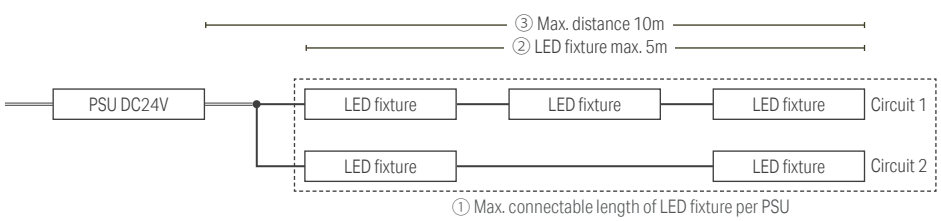
Fixture length(mm)	❶ Attachment mounting clip	❶ Extra mounting clip	❸ Magnet Set L
150	1 pc	0 pc	2 pcs
300	2 pcs	0 pc	4 pcs
510	3 pcs	1 pc	8 pcs
880	4 pcs	1 pc	10 pcs
1170	4 pcs	1 pc	10 pcs
1460	5 pcs	1 pc	12 pcs
	Unit of order	2pcs/bag	10 pcs/bag

Recommended number of Outer clips and magnets



Fixture length(mm)	❷ Extra mounting clip	❹ Magnet Set L
150	1 pcs	2 pcs
300	2 pcs	4 pcs
510	3 pcs	6 pcs
880	4 pcs	8 pcs
1170	4 pcs	8 pcs
1460	5 pcs	10 pcs
Unit of order	2pcs/bag	5pcs/bag

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

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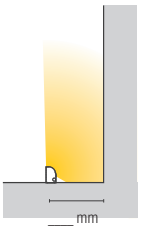
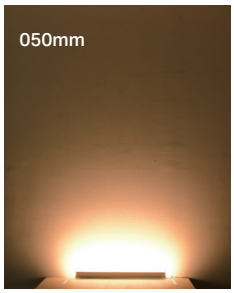
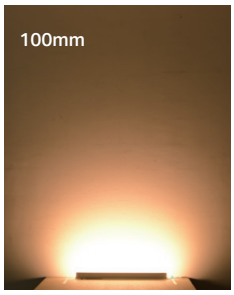
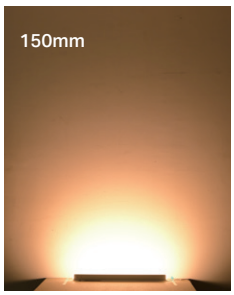
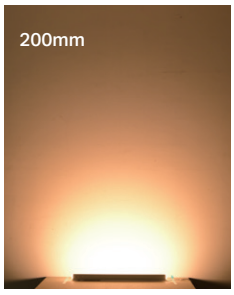
Distance from wall

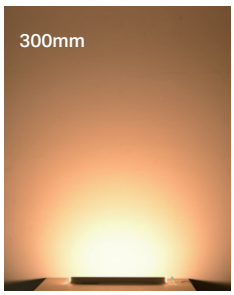




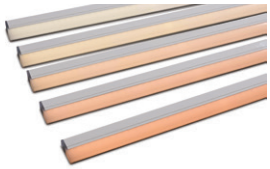








Illuminance Data



LCEF
Luci Creide F

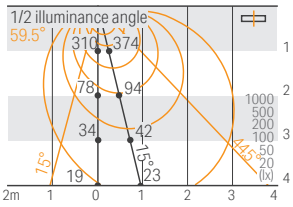
Color temparature

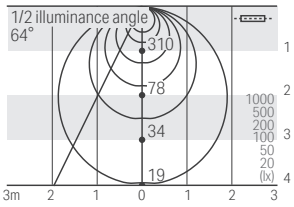
4000K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

LCEF-1170-W-DF-I

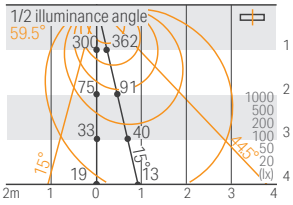
Light source color	4000K
Brightness	310 cd
Luminous flux	1565 lm
Color rendering index	Ra 92

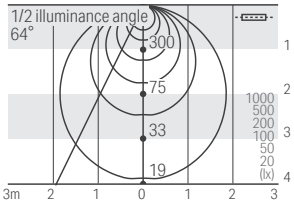




LCEF-1170-WW-DF-I

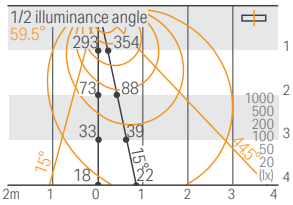
Light source color	3500K
Brightness	300 cd
Luminous flux	1514 lm
Color rendering index	Ra 93

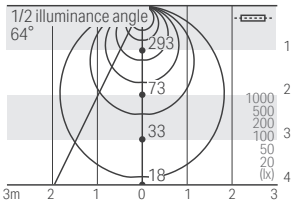




LCEL-1170-L30-DF-I

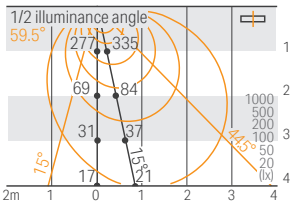
Light source color	3000K
Brightness	293 cd
Luminous flux	1478 lm
Color rendering index	Ra 94

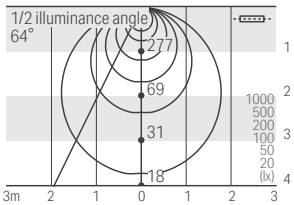




LCEL-1170-L27-DF-I

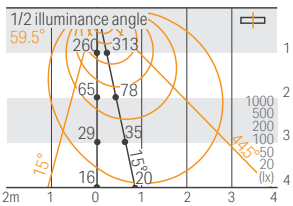
Light source color	2700K
Brightness	277 cd
Luminous flux	1399 lm
Color rendering index	Ra 93

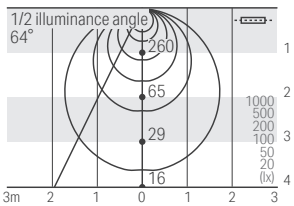




LCEL-1170-L24-DF-I

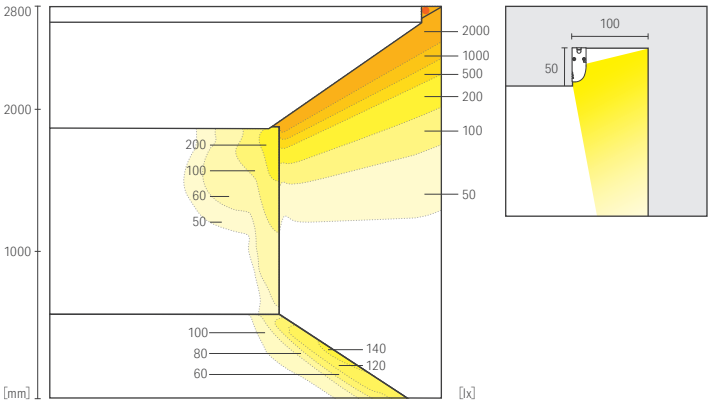
Light source color	2400K
Brightness	260 cd
Luminous flux	1310 lm
Color rendering index	Ra 93



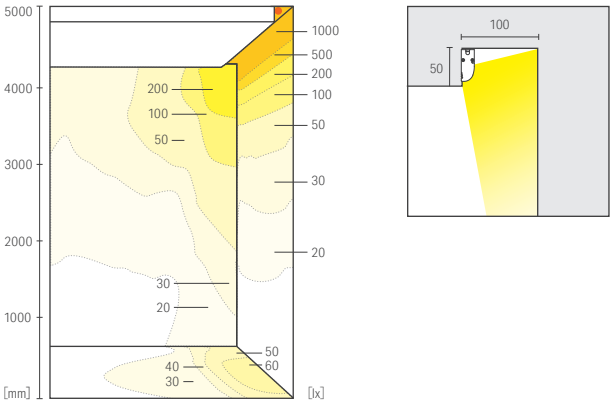


Recommendend dimensions and illumination distribuitions

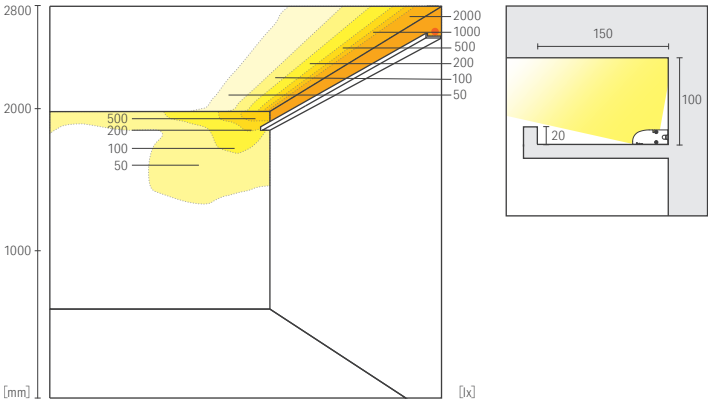
Cornice lighting CH=2800



Cornice lighting CH=5000

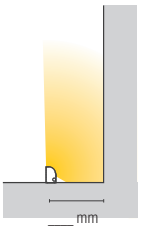


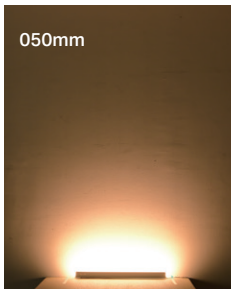
Cove lighting CH=2800

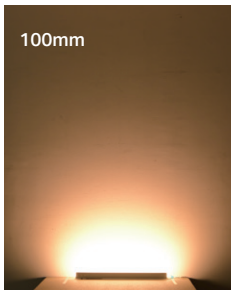


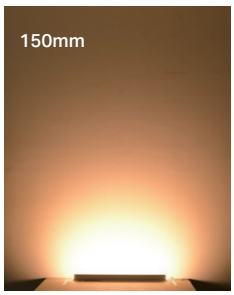
Luci Creide® F / Luci Creide® lens

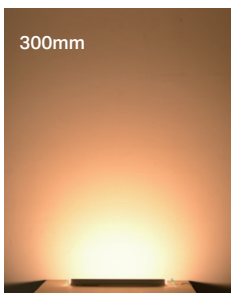
Distance from wall











Illuminance Data

LCEL
Luci Creide lens

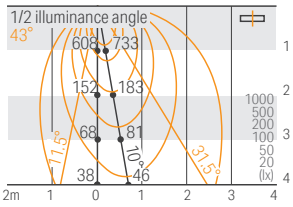
Color temparature

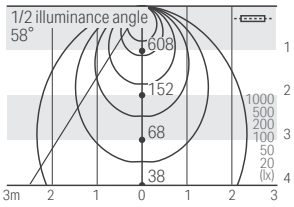
4000K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

LCEL-1170-W-DF-I

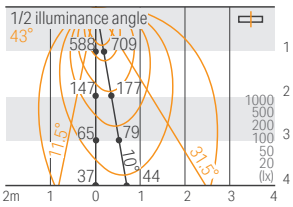
Light source color	4000K
Brightness	608 cd
Luminous flux	1527 lm
Color rendering index	Ra 92

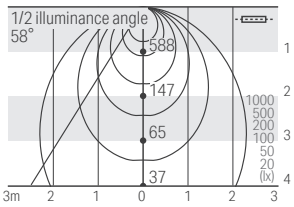




LCEL-1170-WW-DF-I

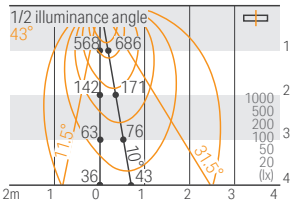
Light source color	3500K
Brightness	588 cd
Luminous flux	1477 lm
Color rendering index	Ra 93

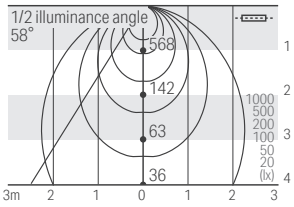




LCEL-1170-L30-DF-I

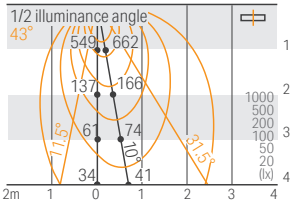
Light source color	3000K
Brightness	568 cd
Luminous flux	1428 lm
Color rendering index	Ra 94

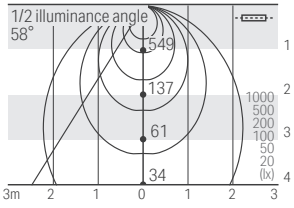




LCEL-1170-L27-DF-I

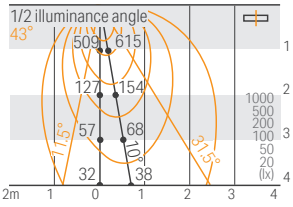
Light source color	2700K
Brightness	549 cd
Luminous flux	1379 lm
Color rendering index	Ra 93

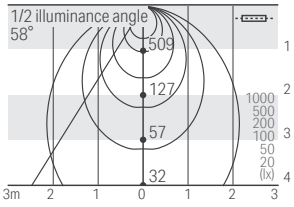




LCEL-1170-L24-DF-I

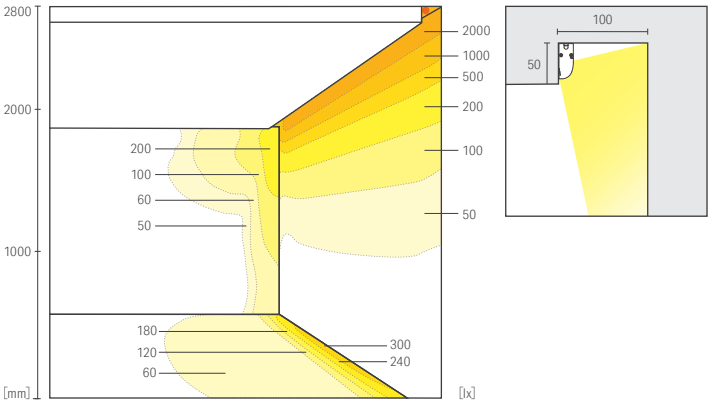
Light source color	2400K
Brightness	509 cd
Luminous flux	1280 lm
Color rendering index	Ra 93



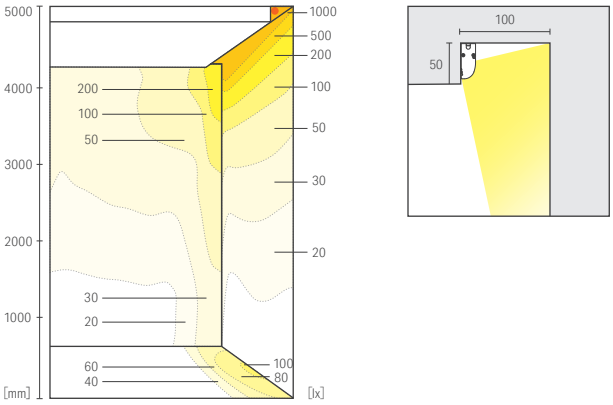


Recommendend dimensions and illumination distribuitions

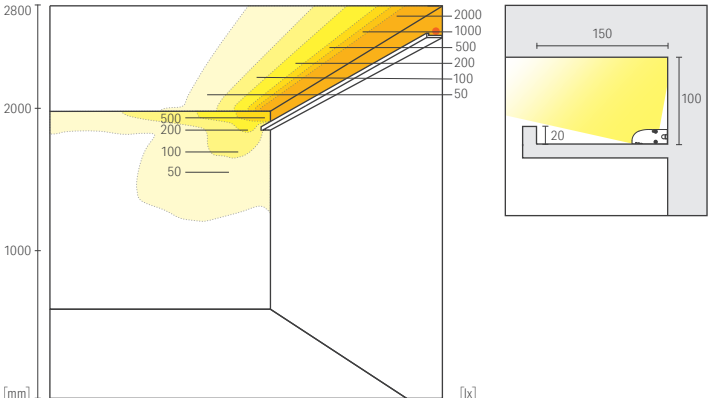
Cornice lighting CH=2800



Cornice lighting CH=5000



Cove lighting CH=2800

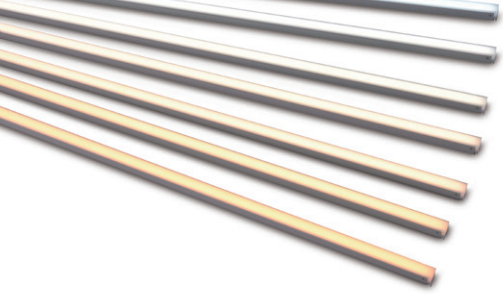


LSXK

HIRAKATA T-SITE
Location: JAPAN
Client: SO-TWO.INC
Architect office: Takenaka Corporation
TSUTAYA Interior decoration design: Culture Convenience Club Co., Ltd. Takenaka Corporation
Lighting design: Uchihara Creative Lighting Design Inc.
Construction: Takenaka Maedagumi Joint Venture
Graphic design: HIROMURA DESIGN OFFICE
Fabric design : Studio Akane Monyama
Photo: Nacása & Partners Inc.

An Apartment at River Valley Road
Location: Singapore
Lighting design: Light Collab(Toh Yah Li & Chua Li Qi)
Construction: U.SAGE CONTRACTS PTE LTD
Photo: ND Photography

HAPPO-EN
Location: Japan
Architect office: hashimoto yukio design studio Inc.
Lighting design: Illumination Of City Environment
Interior construction: Shouwa
Lighting construction: Hirose Electric Co,. Ltd



Luci silux® K

12×16mm homogeneous square section rigid light
3 different power consumption options to support energy saving project requirement
With various length types and accessories
ideal for various applications such as
recessed mount, shelf and cove light

Specifications

Dimensions

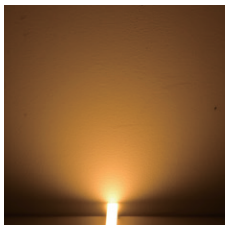
Cross section : W 12xH 14 mm
Length : 10 types of fixed length

1451				1173	
1008		823		702	
573	509	388	259	74	

Color temperature

5000K | 4000K | 3500K | 3000K | 2700K | 2400K | 2100K

Ra 90



The square cross-section silux K emits light from the diffused cover, 12 mm on the top and 3 mm on both sides, so the light shines to the corners of the fixtures.

Electrical & Output

Power Consumption (W/m)	13.3	8.1	4.3
Luminous flux @ 3000K (lm/m)	581	421	199

Features

To create a continuous line,
cables can be placed behind or to the side.

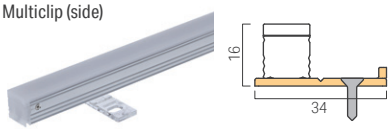
Recessed

Accessories

Multiclip (bottom)

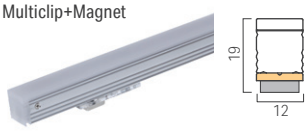
For recessed/surface mounting
(Included item)

Multiclip (side)



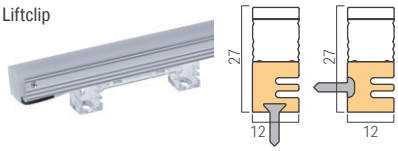
For cove lighting (Included item)
Quick installation as the clip is attached to the LED fixture first, rotated 90° and screwed in from the side of the LED fixture.

Multiclip+Magnet



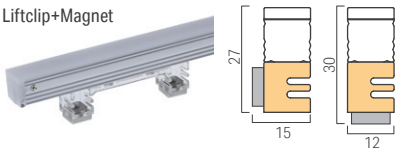
For recessed/surface mounting with magnets
To mount the LED fixture on a metal or steel. Easy attach and detach for maintenance.

Liftclip



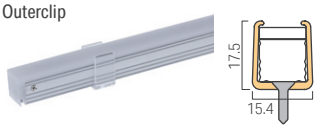
For recessed/side mounting
The connectors fit inside the clip.

Liftclip+Magnet



For recessed/side mounting with magnets
To mount the LED fixture on a metal or steel. Easy attach and detach for maintenance.

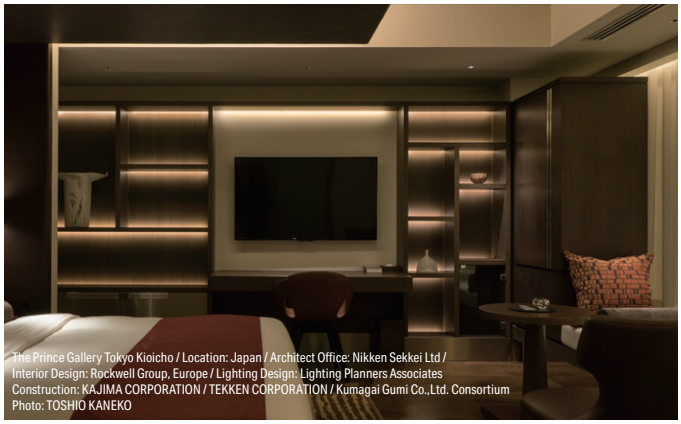
Outerclip



For surface/downward mounting
Easy attach and detach for maintenance.

Project reference

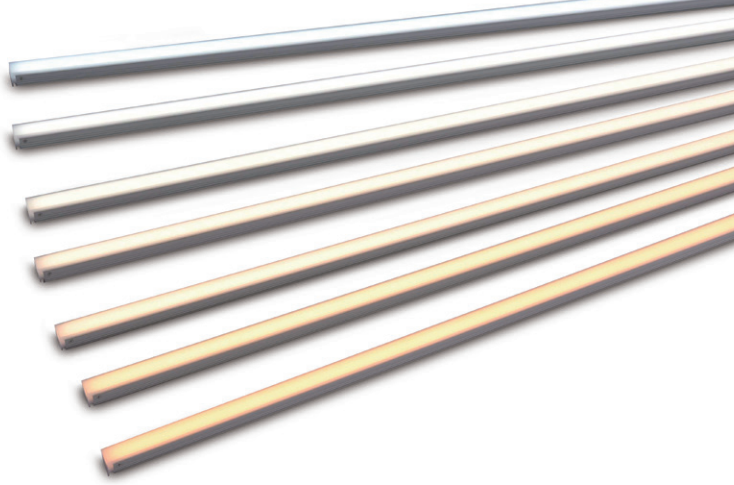
Tokyo International Air Terminal / Location: Japan / Owner: Tokyo International Air Terminal Corporation / Lighting Design: Uchihara Creative Lighting Design Inc. / Photo: Toshio Kaneko



The Prince Gallery Tokyo Kioicho / Location: Japan / Architect Office: Nikken Sekkei Ltd / Interior Design: Rockwell Group, Europe / Lighting Design: Lighting Planners Associates Construction: KAJIMA CORPORATION / TEKKEN CORPORATION / Kumagai Gumi Co.,Ltd. Consortium Photo: TOSHIO KANEKO

Luci silux® K

LSXK



Color management MacAdam 3 step

3 years warranty

- Homogeneous rigid light with a square shape
- 3 different wattage, 10 types of length
- Ideal for shelf/cove light and recessed direct view light on ceiling/wall

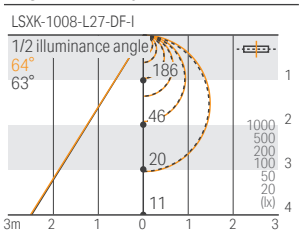
Model No.

LSXK - □□□□ - □ - DF - I - □

Product Name	Length	Light source color	Cover Type	Environment	Wattage
LSXK	0074 0702 0259 0823 0388 1008 0509 1137 0573 1451	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K	DF : Diffuser	I : Indoor	13 : 13.3W/m 8 : 8.1W/m 4 : 4.3W/m

Light Intensity

Refer to P.141



Specification

Length	0074	0259	0388	0509	0573
Fitting length(L)	74 mm	259 mm	388 mm	509 mm	573 mm
Weight	15 g	40 g	59 g	76 g	84 g
Length	**0702**	**0823**	**1008**	**1137**	**1451**
Fitting length(L)	702 mm	823 mm	1008 mm	1137 mm	1451 mm
Weight	110 g	120 g	145 g	160 g	206 g

13.3 W/m series

Model No.	LSXK-0074-□-DF-I-13	LSXK-0259-□-DF-I-13	LSXK-0388-□-DF-I-13	LSXK-0509-□-DF-I-13	LSXK-0573-□-DF-I-13
Power consumption	0.7 W	3.3 W	5.2 W	6.6 W	7.6 W
Model No.	**LSXK-0702-□-DF-I-13**	**LSXK-0823-□-DF-I-13**	**LSXK-1008-□-DF-I-13**	**LSXK-1137-□-DF-I-13**	**LSXK-1451-□-DF-I-13**
Power consumption	9.5 W	10.9 W	13.3 W	15.2 W	19.5 W

Light source color	N 5000K	W 4000K	WW 3500K	L30 3000K	L27 2700K	L24 2400K	L21 2100K
@1008mm	Ra 93 ○ 620 lm	Ra 94 ○ 620 lm	Ra 94 ○ 594 lm	Ra 93 ○ 581 lm	Ra 93 ○ 554 lm	Ra 94 ○ 515 lm	Ra 90 ○ 515 lm
Luminaire efficacy	57.9 lm/W	57.9 lm/W	55.5 lm/W	54.2 lm/W	51.8 lm/W	48.1 lm/W	45.1 lm/W

8.1 W/m series

Model No.	LSXK-0074-□-DF-I-8	LSXK-0259-□-DF-I-8	LSXK-0388-□-DF-I-8	LSXK-0509-*□-DF-I-8	LSXK-0573-□-DF-I-8
Power consumption	0.5 W	2.0 W	3.1 W	4 W	4.6 W
Model No.	**LSXK-0702-□-DF-I-8**	**LSXK-0823-□-DF-I-8**	**LSXK-1008-□-DF-I-8**	**LSXK-1137-□-DF-I-8**	**LSXK-1451-□-DF-I-8**
Power consumption	5.7 W	6.6 W	8.1 W	9.2 W	11.8 W

Light source color	N 5000K	W 4000K	WW 3500K	L30 3000K	L27 2700K	L24 2400K	L21 2100K
@1008mm	Ra 93 ○ 450 lm	Ra 94 ○ 450 lm	Ra 94 ○ 431 lm	Ra 93 ○ 421 lm	Ra 93 ○ 402 lm	Ra 94 ○ 373 lm	Ra 90 ○ 351 lm
Luminaire efficacy	68.2 lm/W	68.2 lm/W	65.3 lm/W	63.8 lm/W	60.9 lm/W	56.5 lm/W	53.2 lm/W

4.3 W/m series

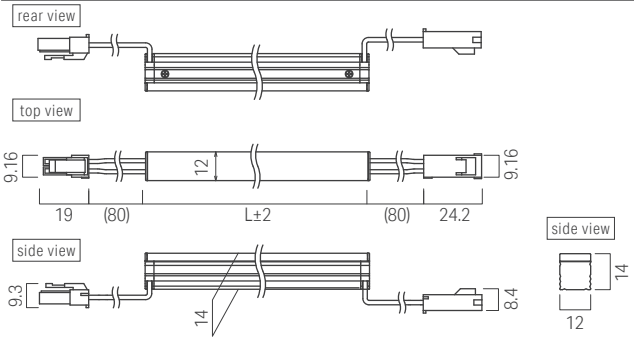
Model No.	LSXK-0074-□-DF-I-4	LSXK-0259-□-DF-I-4	LSXK-0388-□-DF-I-4	LSXK-0509-□-DF-I-4	LSXK-0573-□-DF-I-4
Power consumption	0.3 W	1 W	1.6 W	2.1 W	2.4 W
Model No.	**LSXK-0702-□-DF-I-4**	**LSXK-0823-□-DF-I-4**	**LSXK-1008-□-DF-I-4**	**LSXK-1137-□-DF-I-4**	**LSXK-1451-□-DF-I-4**
Power consumption	3 W	3.5 W	4.3 W	4.9 W	6.3 W

Light source color	N 5000K	W 4000K	WW 3500K	L30 3000K	L27 2700K	L24 2400K	L21 2100K
@1008mm	Ra 93 ○ 213 lm	Ra 94 ○ 213 lm	Ra 94 ○ 204 lm	Ra 93 ○ 199 lm	Ra 93 ○ 190 lm	Ra 94 ○ 177 lm	Ra 90 ○ 166 lm
Luminaire efficacy	60.9 lm/W	60.9 lm/W	58.3 lm/W	56.9 lm/W	54.3 lm/W	40.6 lm/W	47.4 lm/W

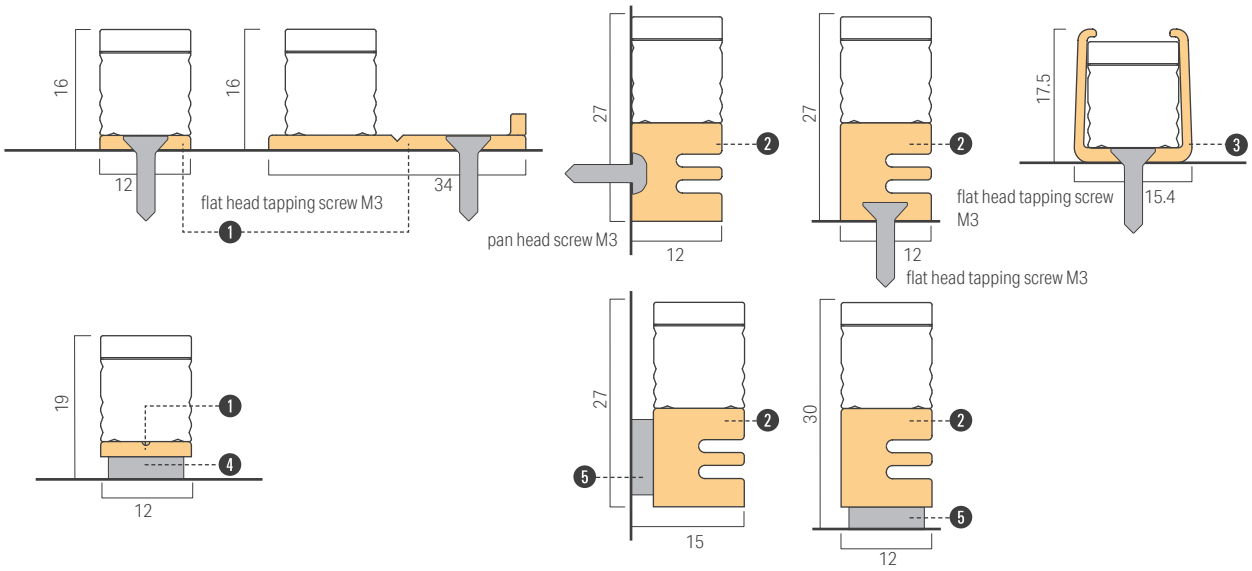
General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	6m
Material (body)	Polycarbonate, Aluminum
Attachments	❶ Multiclip 3 pcs for 702mm or shorter 5 pcs for 823mm or longer
Option parts	❶ Multiclip ❷ Liftclip ❸ Outerclip ❹❺ Magnet set ❻ Power supply cable ❼ Joint cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions



Cross sectional view when installing optional items



Option parts

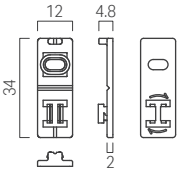
1 Multiclip K for silux Attachment

Model No : LSX-PTM-C

Attached with LED fixture
3 pcs for 702mm or shorter
5 pcs for 823mm or longer

For extra order
3pcs/bag

For magnet installation,
please refer the required number
of clip to the table on P.139.

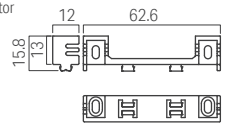


2 Liftclip for silux

Model No : LSX-PTL
2 pcs/1 bag

Liftclip is for hiding the connector
behind the LED fixture.
There are two directions
of fixing the liftclip.

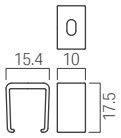
For magnet installation,
please refer the required number
of clip to the table on P.139.



3 Outerclip for silux

Model No : LSX-PT-A
5 pcs/1 bag

Outerclip is for the downwards
emitting installation.



for multiclip installation

4 Magnet Set A

Model No : MG-A
5 pcs/1 bag

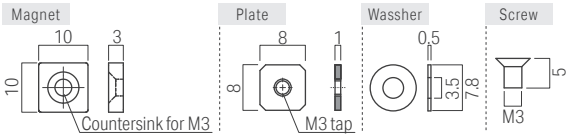
Used for installing LED fixture with 1 Multicilp clip on metal plate.
Metal plate is required by installer.

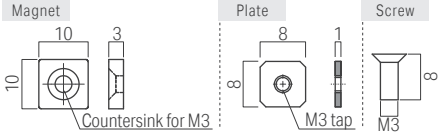
for liftclip installation

5 Magnet Set L

Model No : MG-L
10 pcs/1 bag

Used for installing LED fixture with 2 Lift clip on metal plate.
Metal plate is required by installer.



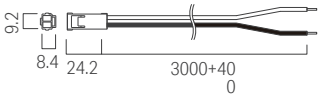


Power supply cable

6 Power supply cable 3M

Model No : CAD-3000-MCNN-I

1 pcs per circuit for connecting the LED fixture
to power supply or dimmer driver.

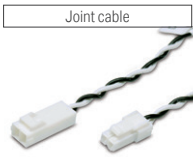


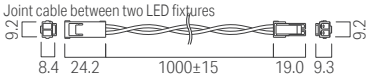
Joint cable

7 Joint cable 1M

Model No : CAD-1000-MCFC-I

Joint cable between two LED fixtures





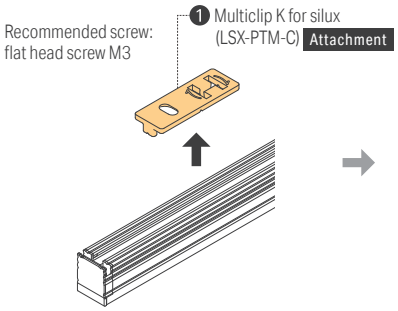
Max. connectable length per power supply

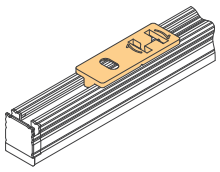
Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
13.3 W/m	8.1 W/m	4.3 W/m	
~2.6 m	~4.3 m	~8.7 m*	50W power supply
~5.2 m	~8.7 m*	~17.5 m*	100W power supply
~7.8 m*	~13.1 m*	~26.2 m*	150W power supply

Luci silux® K

Installing the product

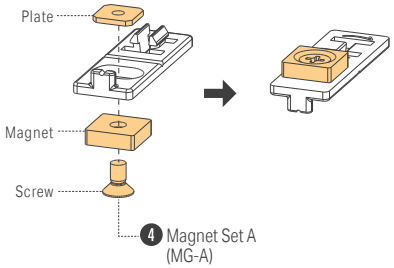
Multiclip K installation: bottom fixing



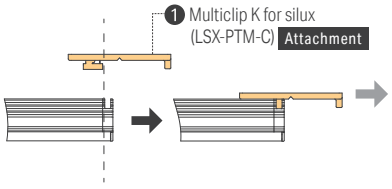


Recommend to use at least 4 pcs per meter with less than 300mm pitch.

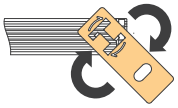
Magnet installation



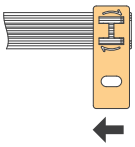
Multiclip K installation: side fixing



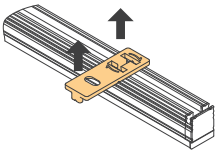
Insert the Multiclip at the spot shown in the above diagram.
Ensure click sound when inserting.



Rotate the Multiclip in 90 degrees in the direction as the arrow mark shown on the back of the Multiclip.



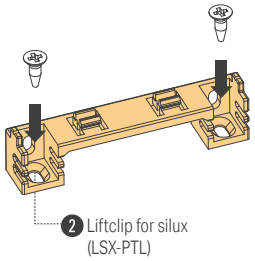
Slide the Multiclip to the desired fixing position.



Use the recommended screws supplied by installer to fix the Multiclip with the LED fixture. (Flat head screws M3 recommended.)

Recommend to use at least 4 pcs per meter with less than 300mm pitch.

Liftclip installation: Standard installation direction

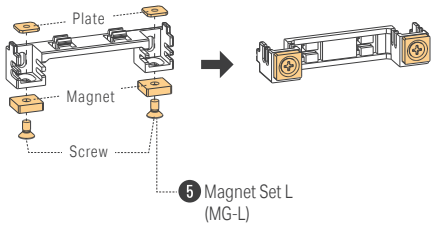


Recommended screw: **flat head screw M3**

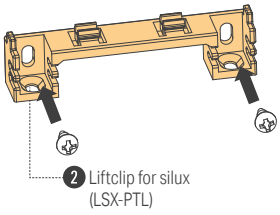
Recommend to use at least 4 pcs per meter with less than 300mm pitch.

Note: different screw type are required for different installation side.

Magnet installation



Liftclip installation: Horizontal installation direction

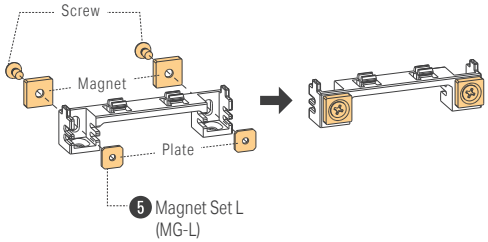


Recommended screw: **pan head screw M3**

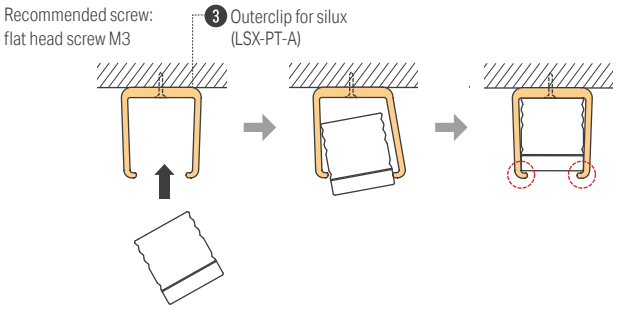
Recommend to use at least 4 pcs per meter with less than 300mm pitch.

Note: different screw type are required for different installation side.

Magnet installation



Outerclip installation

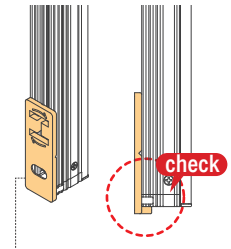


Recommend to use at least 4 pcs per meter with less than 300mm pitch.

Installing the product

For vertical installation

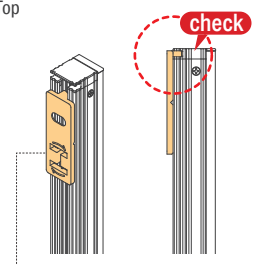
Bottom



1 Multiclip K for silux (LSX-PTM-C) Attachment

Recommended screw: flat head screw M3

Top



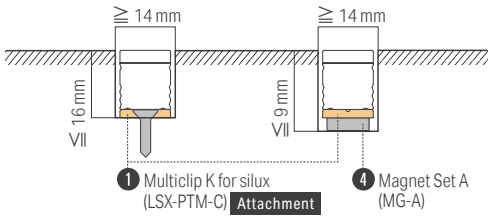
1 Multiclip K for silux (LSX-PTM-C) Attachment

Recommended screw: flat head screw M3

For vertical installation, make sure the top and bottom of LED fixture hook on the edge of the Multiclip K in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the Multiclip, it may slide down and fall.

For recessed installation

With Multiclip

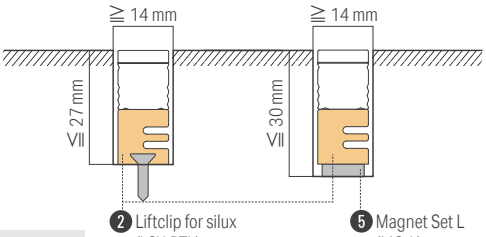


1 Multiclip K for silux (LSX-PTM-C) Attachment

4 Magnet Set A (MG-A)

When the LED fixture is recessed on the wall/ceiling/furniture, make enough clearance or consider heat dissipation for releasing the heat of the LED fixture.

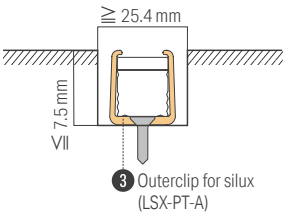
With Liftclip



2 Liftclip for silux (LSX-PTL)

5 Magnet Set L (MG-L)

With Outerclip

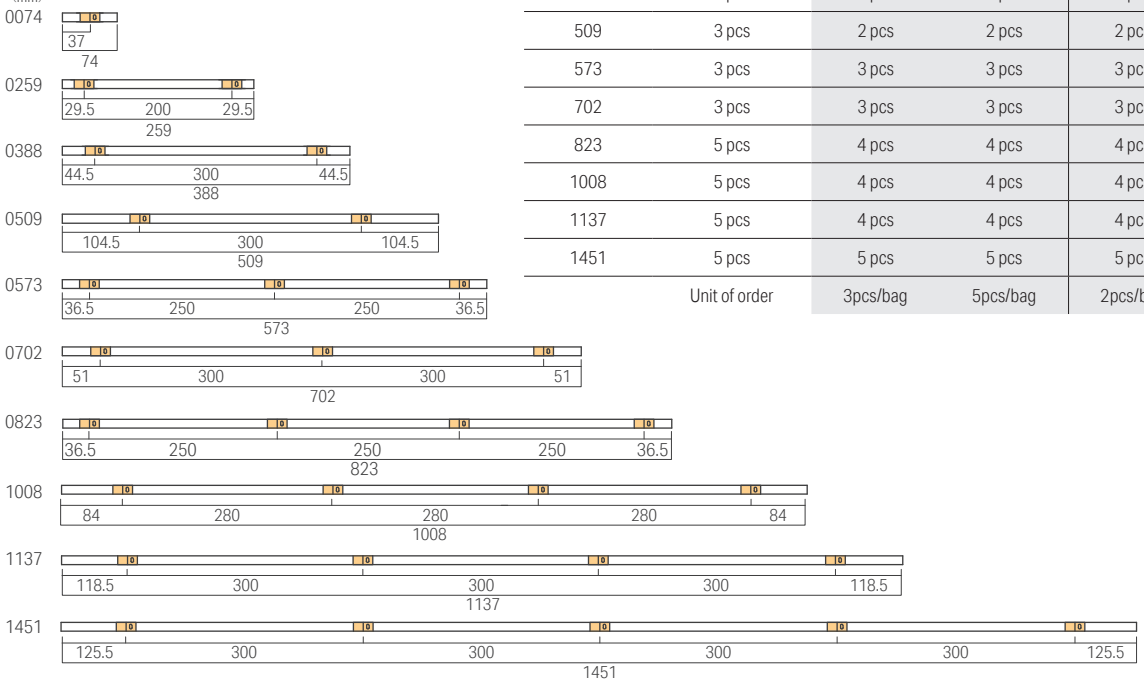


3 Outerclip for silux (LSX-PT-A)

At least 25.4 mm width of slit shall be provided to allow the outer clip to open when the luminaire is inserted.

Recommended number of Moutning clips and magnets

(mm)

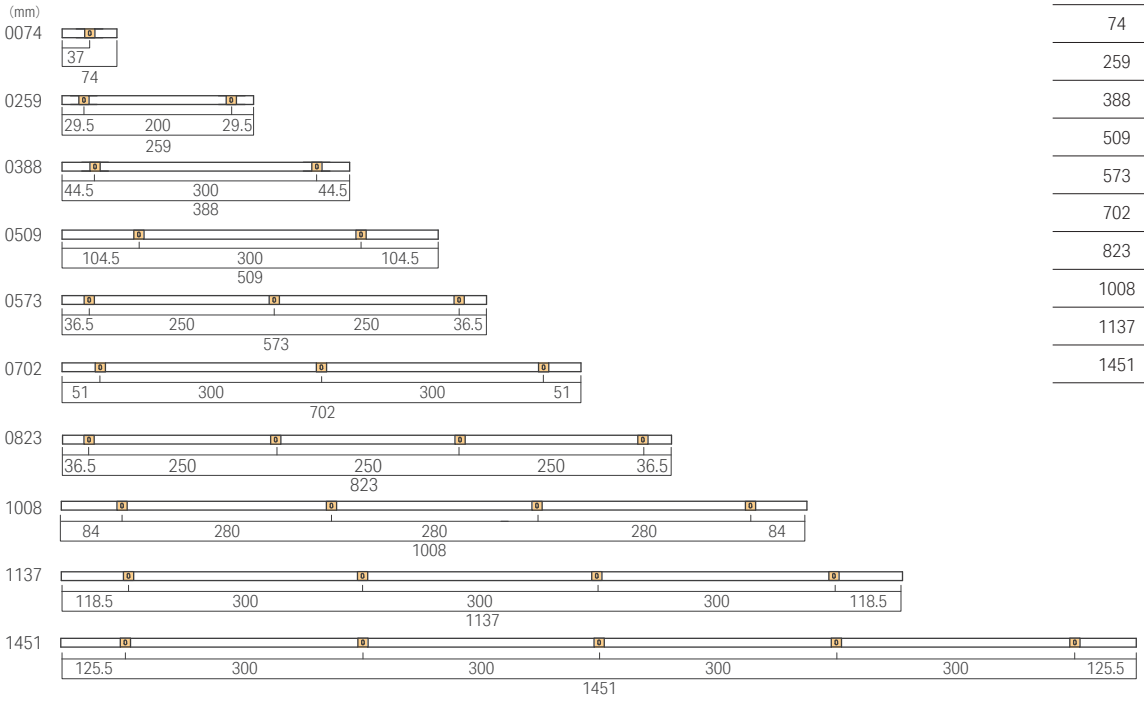


Fixture length(mm)	1 Attachment multi clip	1 Multi clip	4 Magnet set A	2 Lift clip	5 Magnet set L
74	3 pcs	1 pcs	1 pcs	1 pcs	2 pcs
259	3 pcs	2 pcs	2 pcs	2 pcs	4 pcs
388	3 pcs	2 pcs	2 pcs	2 pcs	4 pcs
509	3 pcs	2 pcs	2 pcs	2 pcs	4 pcs
573	3 pcs	3 pcs	3 pcs	3 pcs	6 pcs
702	3 pcs	3 pcs	3 pcs	3 pcs	6 pcs
823	5 pcs	4 pcs	4 pcs	4 pcs	8 pcs
1008	5 pcs	4 pcs	4 pcs	4 pcs	8 pcs
1137	5 pcs	4 pcs	4 pcs	4 pcs	8 pcs
1451	5 pcs	5 pcs	5 pcs	5 pcs	10 pcs
	Unit of order	3pcs/bag	5pcs/bag	2pcs/bag	10pcs/bag

Luci silux® K

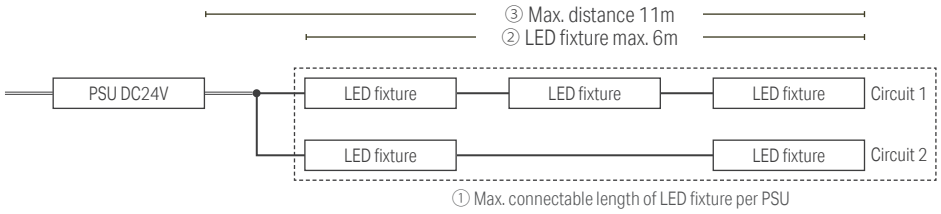
Installing the product

Recommended number of Outer clips



Fixture length(mm)	③ Outer clip
74	1 pcs
259	2 pcs
388	2 pcs
509	2 pcs
573	3 pcs
702	3 pcs
823	4 pcs
1008	4 pcs
1137	4 pcs
1451	5 pcs
	5pcs/bag

System configuration diagram

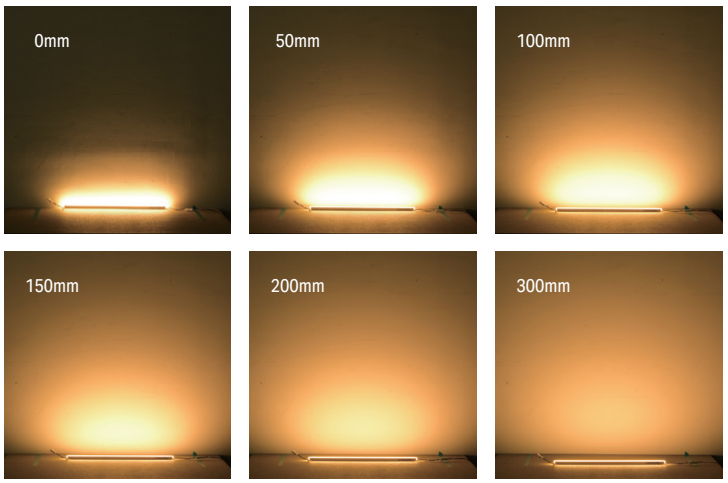


① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

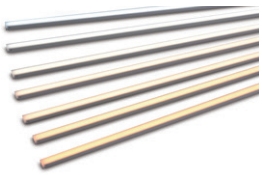
② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Distance from wall



Illuminance data



LSXK-13
Luci silux K

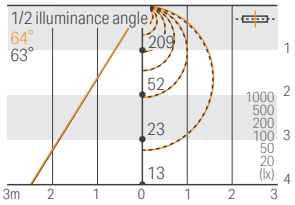
Color temparature

5000K 4000K 3500K 3000K 2700K 2400K 2100K

Direct horizontal surface light intensity distribution chart

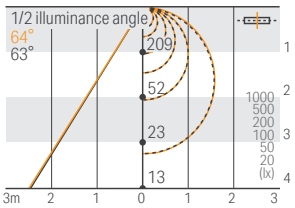
LSXK-1008-N-DF-I-13

Light source color	5000K
Brightness	209 cd
Luminous flux	620 lm
Color rendering index	Ra 93



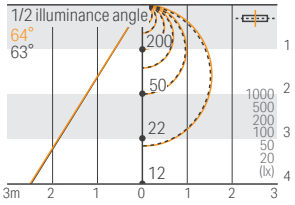
LSXK-1008-W-DF-I-13

Light source color	4000K
Brightness	209 cd
Luminous flux	620 lm
Color rendering index	Ra 94



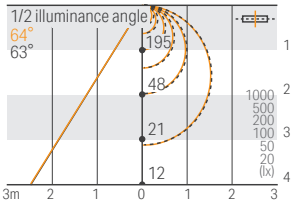
LSXK-1008-WW-DF-I-13

Light source color	3500K
Brightness	200 cd
Luminous flux	594 lm
Color rendering index	Ra 94



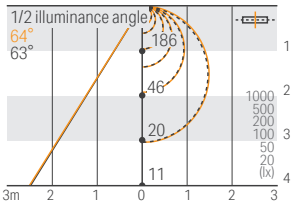
LSXK-1008-L30-DF-I-13

Light source color	3000K
Brightness	195 cd
Luminous flux	581 lm
Color rendering index	Ra 93



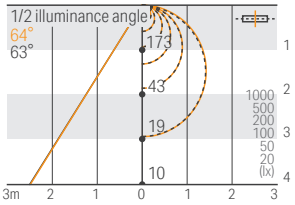
LSXK-1008-L27-DF-I-13

Light source color	2700K
Brightness	186 cd
Luminous flux	554 lm
Color rendering index	Ra 93



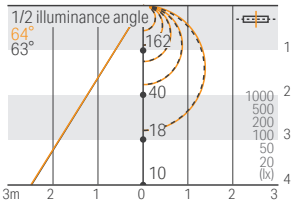
LSXK-1008-L24-DF-I-13

Light source color	2400K
Brightness	173 cd
Luminous flux	515 lm
Color rendering index	Ra 94



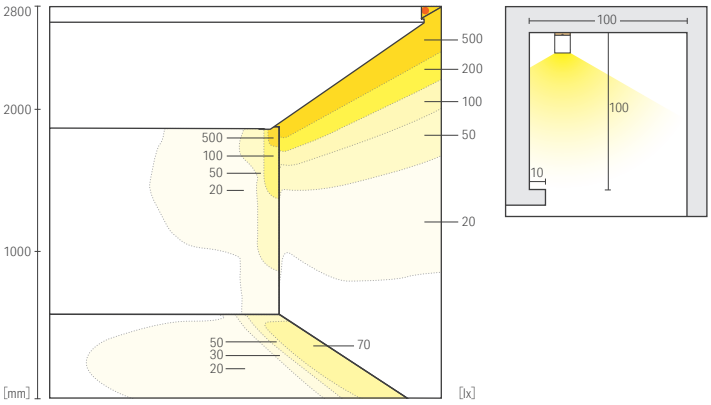
LSXK-1008-L21-DF-I-13

Light source color	2100K
Brightness	179 cd
Luminous flux	483 lm
Color rendering index	Ra 90

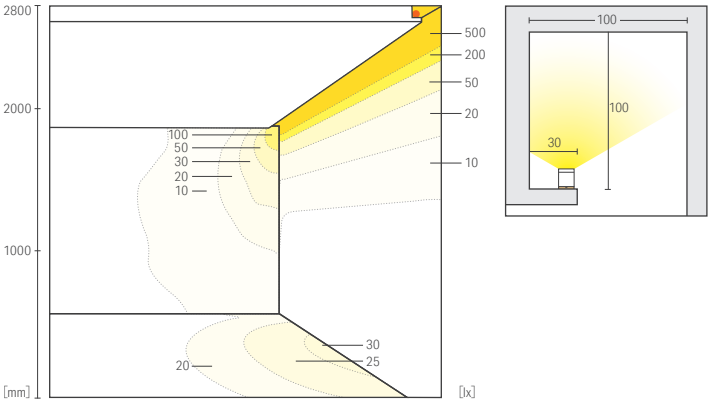


Recommendend dimensions and illumination distribuitions

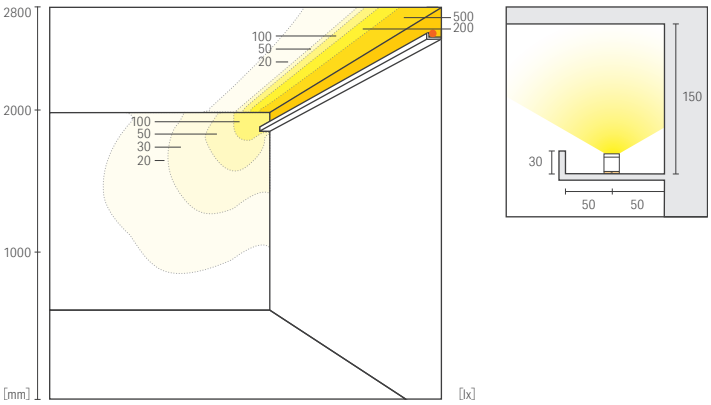
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800

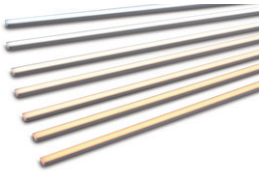


Cove lighting CH=2800



Luci silux® K

Illuminance data



LSXK-8
Luci silux K

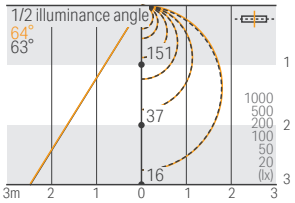
Color temparature

5000K 4000K 3500K 3000K 2700K 2400K 2100K

Direct horizontal surface light intensity distribution chart

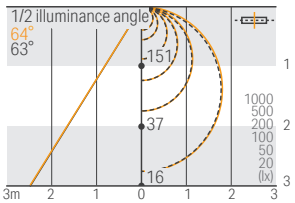
LSXK-1008-N-DF-I-8

Light source color	5000K
Brightness	151 cd
Luminous flux	450 lm
Color rendering index	Ra 93



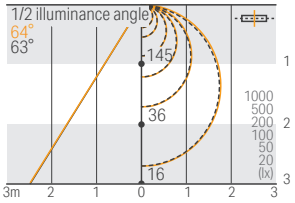
LSXK-1008-W-DF-I-8

Light source color	4000K
Brightness	151 cd
Luminous flux	450 lm
Color rendering index	Ra 94



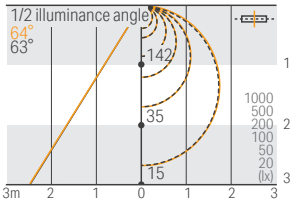
LSXK-1008-WW-DF-I-8

Light source color	3500K
Brightness	145 cd
Luminous flux	431 lm
Color rendering index	Ra 94



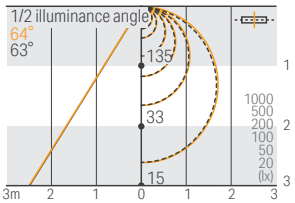
LSXK-1008-L30-DF-I-8

Light source color	3000K
Brightness	142 cd
Luminous flux	421 lm
Color rendering index	Ra 93



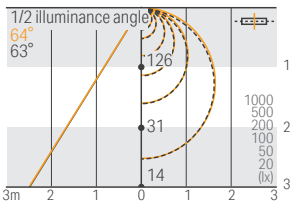
LSXK-1008-L27-DF-I-8

Light source color	2700K
Brightness	135 cd
Luminous flux	402 lm
Color rendering index	Ra 93



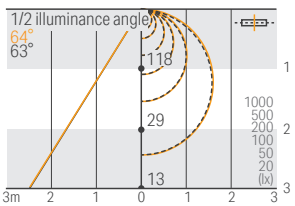
LSXK-1008-L24-DF-I-8

Light source color	2400K
Brightness	126 cd
Luminous flux	373 lm
Color rendering index	Ra 94



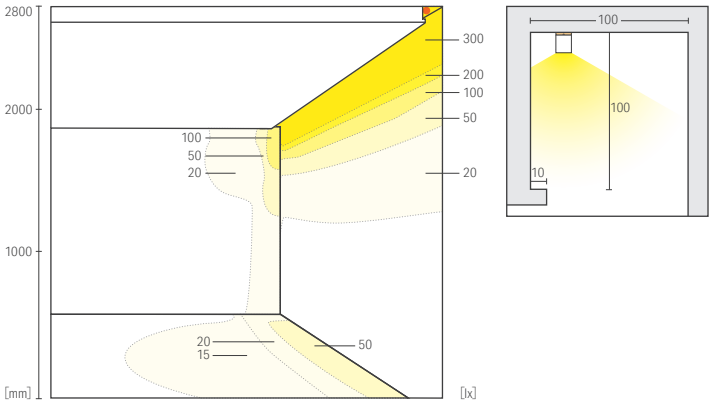
LSXK-1008-L21-DF-I-8

Light source color	2100K
Brightness	118 cd
Luminous flux	351 lm
Color rendering index	Ra 90

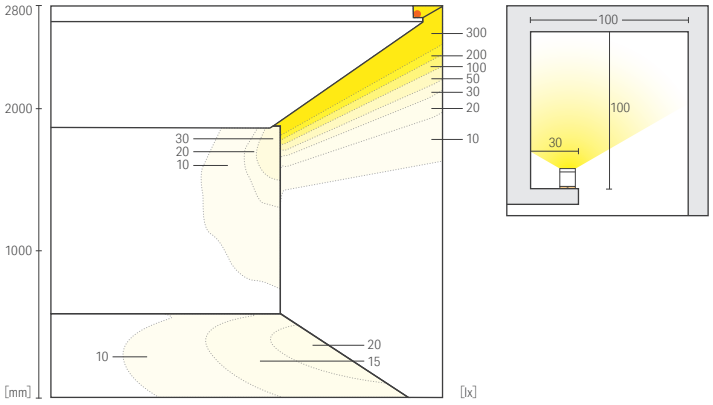


Recommendend dimensions and illumination distribuitions

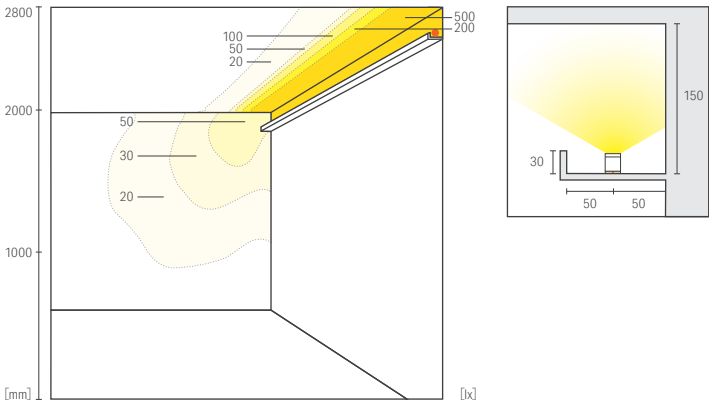
Cornice lighting-1 CH=2800



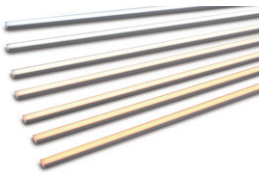
Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data



LSXK-4
Luci silux K

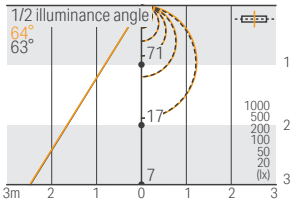
Color temparature

5000K 4000K 3500K 3000K 2700K 2400K 2100K

Direct horizontal surface light intensity distribution chart

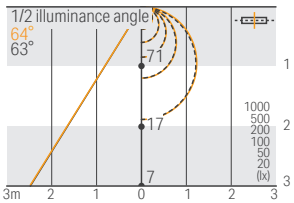
LSXK-1008-N-DF-I-4

Light source color	5000K
Brightness	71 cd
Luminous flux	213 lm
Color rendering index	Ra 93



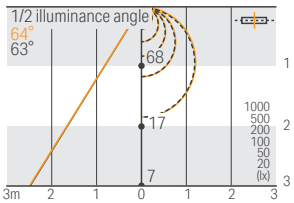
LSXK-1008-W-DF-I-4

Light source color	4000K
Brightness	71 cd
Luminous flux	213 lm
Color rendering index	Ra 94



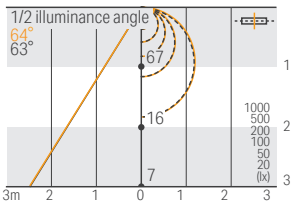
LSXK-1008-WW-DF-I-4

Light source color	3500K
Brightness	68 cd
Luminous flux	204 lm
Color rendering index	Ra 94



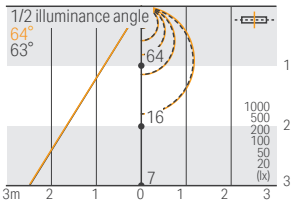
LSXK-1008-L30-DF-I-4

Light source color	3000K
Brightness	67 cd
Luminous flux	199 lm
Color rendering index	Ra 93



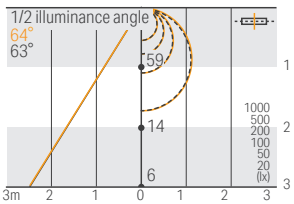
LSXK-1008-L27-DF-I-4

Light source color	2700K
Brightness	64 cd
Luminous flux	190 lm
Color rendering index	Ra 93



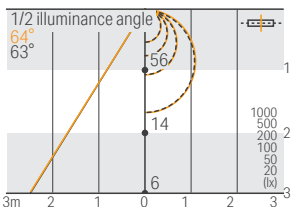
LSXK-1008-L24-DF-I-4

Light source color	2400K
Brightness	59 cd
Luminous flux	177 lm
Color rendering index	Ra 94



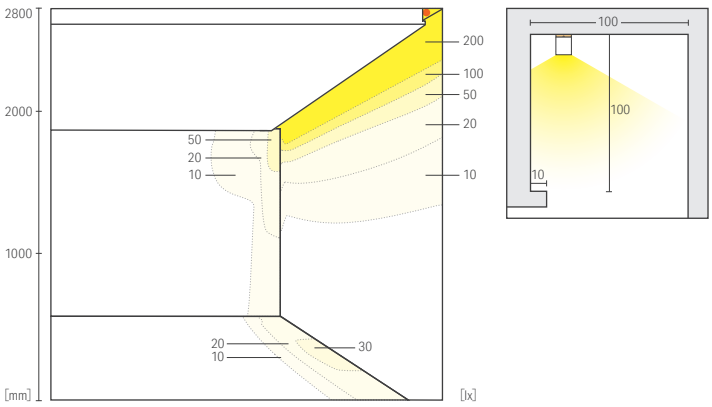
LSXK-1008-L21-DF-I-4

Light source color	2100K
Brightness	56 cd
Luminous flux	166 lm
Color rendering index	Ra 90

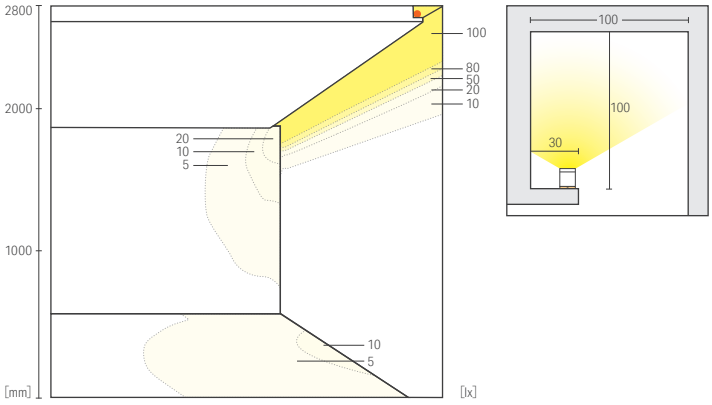


Recommendend dimensions and illumination distribuitions

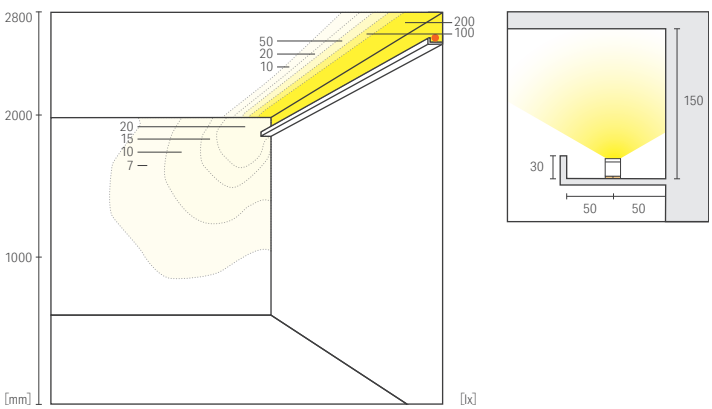
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800

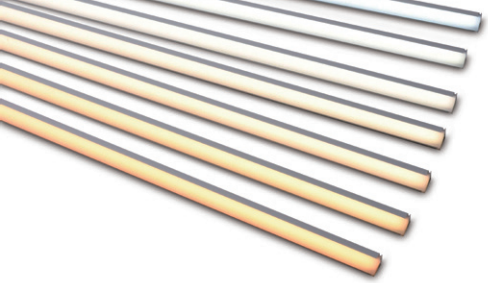


LSXWK

ODDS
Location: Hong Kong
Architect office: LUBUDS GROUP
Lighting design: Lighting Planners Associates (HK) Ltd.

Senri Chuo CIELIA TOWER
Location: Japan
Owner: Kanden Realty & Development Co.,Ltd. / The Kansai Electric Power Company,Incorporated

Architect office: KAN DESIGNING OFFICE LTD.
Lighting design: WORKTECHT CORPORATION
Photo: Through Kanden Realty & Development Co.,Ltd.



Luci silux® wide K

12×18mm homogeneous crescent section rigid light
with wide light distribution
3 different power consumption options to support energy saving project requirement
With various length types and accessories ideal
for a wide range of applications such as shelf and cove light

Specifications

Dimensions

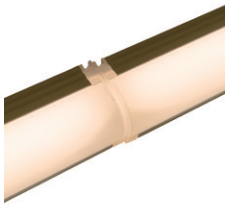
Cross section : W18 x H12 mm
Length : 10 types of fixed length

1451				1173	
1008		823		702	
573	509	388	259	74	

Color temperature

5000K	4000K	3500K	3000K	2700K	2400K	2100K

Ra 90



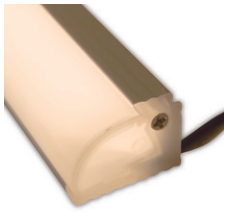
silux wide K has a quarter-circle cross-section ideal for cove and shelf lighting. The light distribution is tilted so that can be illuminated widely and efficiently.

Electrical & Output

Power Consumption (W/m)	13.3	8.1	4.3
Luminous flux @ 3000K (lm/m)	759	551	261

Features

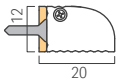
To create a continuous line,
cables can be placed behind or to the side.



Accessories

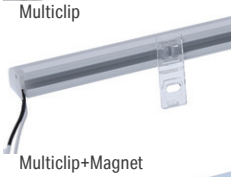
Available for both upward and downward

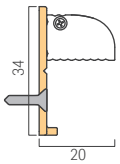
Multiclip



For side mounting/cove lighting
(Included item)

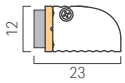
Multiclip





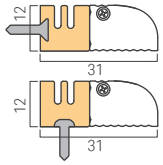
For side mounting/cove lighting
(Included item)
Quick installation as the clip is attached to the LED fixture first, rotated 90° and screwed in from the side of the LED fixture.

Multiclip+Magnet



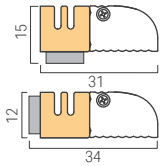
For side mounting with magnets
To mount the LED fixture on a metal or steel. Easy attach and detach for maintenance.

Liftclip



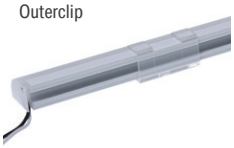
For surface/side mounting
The connectors fit inside the clip.

Liftclip+Magnet



For surface/side mounting with magnets
To mount the LED fixture on a metal or steel. Easy attach and detach for maintenance.

Outerclip



For surface/downward mounting/ cove lighting
Easy attach and detach for maintenance.

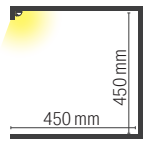
Project reference

Esthe Pro Labo GINZA
Location: Japan
Architect office: LOTUS-DESIGN TAKUYA SAOTOME
Factor and C SHINICHI INOUE

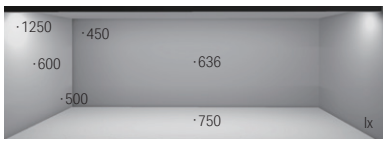
Lighting Design: ODELIC CO.,LTD. YURIE KATAOKA
Construction: DIGWORKS22 Co.,Ltd.
Photo: Esthe Pro Labo Co.,Ltd.

Simulation for shelf lighting

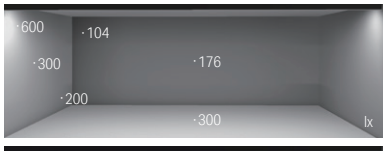
Wide 1,200 mm
@ 3000K



13 W/m



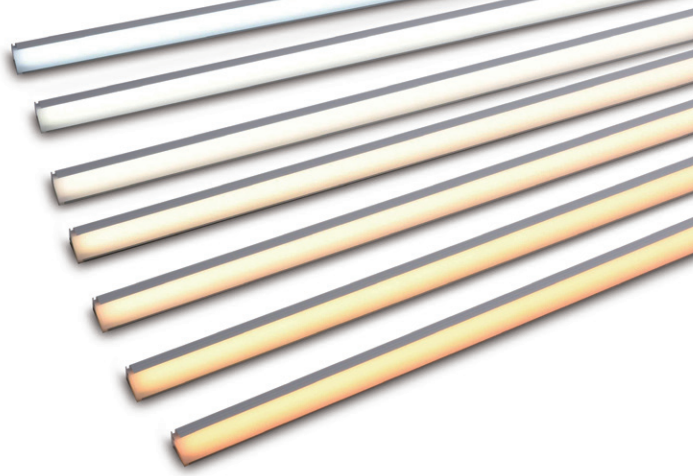
8 W/m



4 W/m

Luci silux® wide K

LSXWK



Color management
MacAdam 3 step

3 years warranty

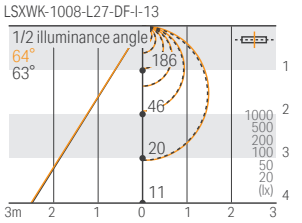
- Homogeneous rigid light with a quarter-circle shape
- 3 different wattage, 10 types of length
- Ideal for shelf and cove light by tilted light distribution

Model No.

LSXWK - □□□□ - □ - DF - I - □

Product Name	Length	Light source color	Cover Type	Environment	Wattage
LSXWK	0074 0702 0259 0823 0388 1008 0509 1137 0573 1451	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K	DF : Diffuser	I : Indoor	13 : 13.3W/m 8 : 8.1W/m 4 : 4.3W/m

Light Intensity Refer to P.151



Specification

Length	0074	0259	0388	0509	0573
Fitting length(L)	74 mm	259 mm	388 mm	509 mm	573 mm
Weight	17 g	47 g	79 g	90 g	108 g
Length	**0702**	**0823**	**1008**	**1137**	**1451**
Fitting length(L)	702 mm	823 mm	1008 mm	1137 mm	1451 mm
Weight	120 g	140 g	170 g	192 g	240 g

13.3 W/m series

Model No.	LSXWK-0074-□-DF-I-13	LSXWK-0259-□-DF-I-13	LSXWK-0388-□-DF-I-13	LSXWK-0509-□-DF-I-13	LSXWK-0573-□-DF-I-13
Power consumption	0.7 W	3.3 W	5.2 W	6.6 W	7.6 W
Model No.	**LSXWK-0702-□-DF-I-13**	**LSXWK-0823-□-DF-I-13**	**LSXWK-1008-□-DF-I-13**	**LSXWK-1137-□-DF-I-13**	**LSXWK-1451-□-DF-I-13**
Power consumption	9.5 W	10.9 W	13.3 W	15.2 W	19.5 W

Light source color	N 5000K	W 4000K	WW 3500K	L30 3000K	L27 2700K	L24 2400K	L21 2100K
@1008mm	Ra 93 ○ 811 lm	Ra 94 ○ 811 lm	Ra 94 ○ 777 lm	Ra 93 ○ 759 lm	Ra 93 ○ 725 lm	Ra 94 ○ 673 lm	Ra - ○ - lm
Luminaire efficacy	75.8 lm/W	75.8 lm/W	72.6 lm/W	70.9 lm/W	67.8 lm/W	62.9 lm/W	54.9 lm/W

8.1 W/m series

Model No.	LSXWK-0074-□-DF-I-8	LSXWK-0259-□-DF-I-8	LSXWK-0388-□-DF-I-8	LSXWK-0509-□-DF-I-8	LSXWK-0573-□-DF-I-8
Power consumption	0.5 W	2.0 W	3.1 W	4 W	4.6 W
Model No.	**LSXWK-0702-□-DF-I-8**	**LSXWK-0823-□-DF-I-8**	**LSXWK-1008-□-DF-I-8**	**LSXWK-1137-□-DF-I-8**	**LSXWK-1451-□-DF-I-8**
Power consumption	5.7 W	6.6 W	8.1 W	9.2 W	11.8 W

Light source color	N 5000K	W 4000K	WW 3500K	L30 3000K	L27 2700K	L24 2400K	L21 2100K
@1008mm	Ra 93 ○ 589 lm	Ra 94 ○ 589 lm	Ra 94 ○ 564 lm	Ra 93 ○ 551 lm	Ra 93 ○ 526 lm	Ra 94 ○ 488 lm	Ra 90 ○ 426 lm
Luminaire efficacy	89.2 lm/W	89.2 lm/W	85.5 lm/W	83.5 lm/W	79.7 lm/W	73.9 lm/W	64.5 lm/W

4.3 W/m series

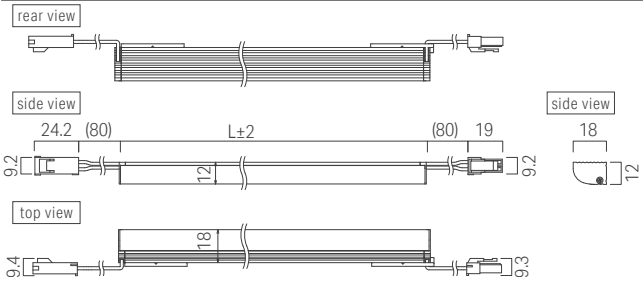
Model No.	LSXWK-0074-□-DF-I-4	LSXWK-0259-□-DF-I-4	LSXWK-0388-□-DF-I-4	LSXWK-0509-□-DF-I-4	LSXWK-0573-□-DF-I-4
Power consumption	0.3 W	1 W	1.6 W	2.1 W	2.4 W
Model No.	**LSXWK-0702-□-DF-I-4**	**LSXWK-0823-□-DF-I-4**	**LSXWK-1008-□-DF-I-4**	**LSXWK-1137-□-DF-I-4**	**LSXWK-1451-□-DF-I-4**
Power consumption	3 W	3.5 W	4.3 W	4.9 W	6.3 W

Light source color	N 5000K	W 4000K	WW 3500K	L30 3000K	L27 2700K	L24 2400K	L21 2100K
@1008mm	Ra 93 ○ 279 lm	Ra 94 ○ 279 lm	Ra 94 ○ 267 lm	Ra 93 ○ 261 lm	Ra 93 ○ 249 lm	Ra 94 ○ 231 lm	Ra 90 ○ 201 lm
Luminaire efficacy	79.7 lm/W	79.7 lm/W	76.3 lm/W	74.6 lm/W	71.1 lm/W	66.0 lm/W	57.4 lm/W

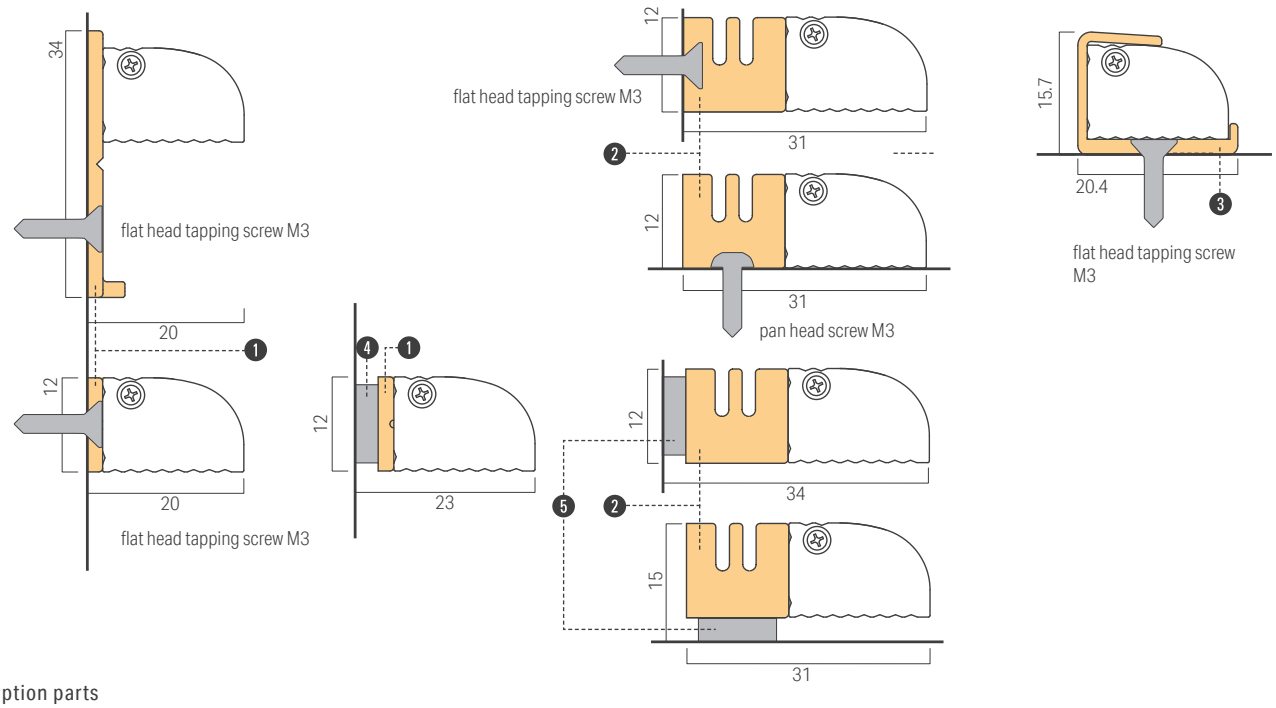
General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	6m
Material (body)	Polycarbonate, Aluminum
Attachments	❶ Multiclip 3 pcs for 702mm or shorter 5 pcs for 823mm or longer
Option parts	❶ Multiclip ❷ Liftclip ❸ Outerclip ❹❺ Magnet set ❻ Power supply cable ❼ Joint cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions



Cross sectional view when installing optional items



Option parts

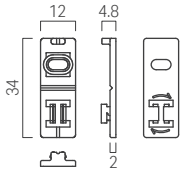
❶ Multiclip K for silux Attachment

Model No : LSX-PTM-C

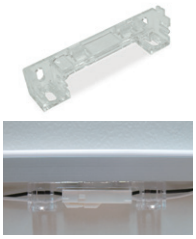
Attached with LED fixture
3 pcs for 702mm or shorter
5 pcs for 823mm or longer

For extra order
3 pcs / bag

For magnet installation,
please refer the required number
of clip to the table on P.140.



❷ Liftclip for silux

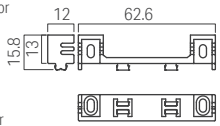


Model No : LSX-PTL

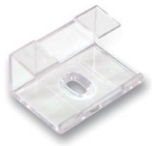
2 pcs / bag

Liftclip is for hiding the connector
behind the LED fixture.
There are two directions
of fixing the liftclip.

For magnet installation,
please refer the required number
of clip to the table on P.140.



❸ Outerclip for silux wide

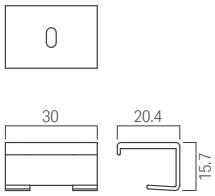


Model No : LSXW-PT-A

5 pcs / bag

Recommended number
1 pc for 74 mm
2 pcs for 259 mm to 509 mm
3 pcs for 573 mm and 702 mm
4 pcs for 823 mm to 1137 mm
5 pcs for 1451 mm

Outerclip is for the downwards emitting installation.

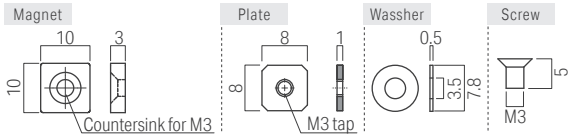


❹ Magnet Set A

Model No : MG-A

5 pcs / bag

Used for installing LED fixture with ❶Multicilp clip on metal plate.
Metal plate is required by installer.

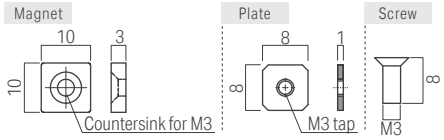


❺ Magnet Set L

Model No : MG-L

10 pcs / bag

Used for installing LED fixture with ❷Lift clip on metal plate.
Metal plate is required by installer.

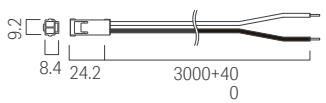


Power supply cable

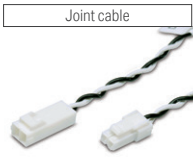
❻ Power supply cable 3M

Model No : CAD-3000-MCNN-I

1 pc per circuit for connecting the LED fixture
to power supply or dimmer driver.



Joint cable



❼ Joint cable 1M

Model No : CAD-1000-MCFC-I

Joint cable between two LED fixtures

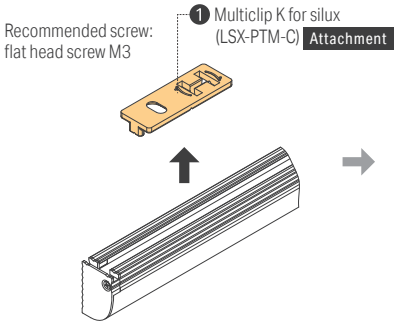
Max. connectable length per power supply

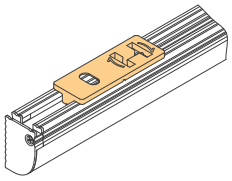
Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
13.3 W/m	8.1 W/m	4.3 W/m	
~2.6 m	~4.3 m	~8.7 m*	50W power supply
~5.2 m	~8.7 m*	~17.5 m*	100W power supply
~7.8 m*	~13.1 m*	~26.2 m*	150W power supply

Luci silux® wide K

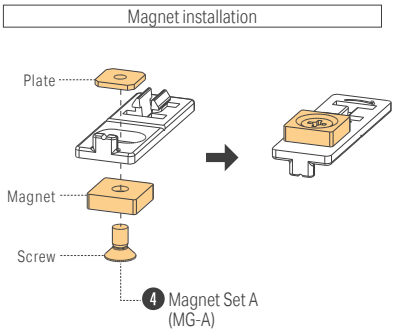
Installing the product

Multiclip K installation: bottom fixing

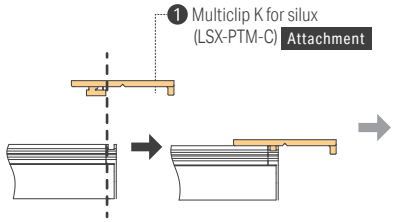




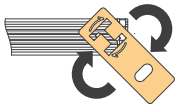
Recommend to use at least 4 pcs per meter with less than 300mm pitch.



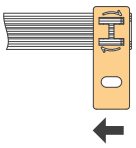
Multiclip K installation: side fixing



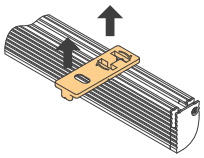
Insert the Multiclip at the spot shown in the above diagram.
Ensure click sound when inserting.



Rotate the Multiclip in 90 degrees in the direction as the arrow mark shown on the back of the Multiclip.



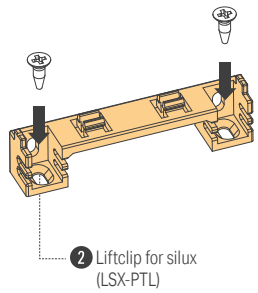
Slide the Multiclip to the desired fixing position.



Use the recommended screws supplied by installer to fix the Multiclip with the LED fixture. (Flat head screws M3 recommended.)

Recommend to use at least 4 pcs per meter with less than 300mm pitch.

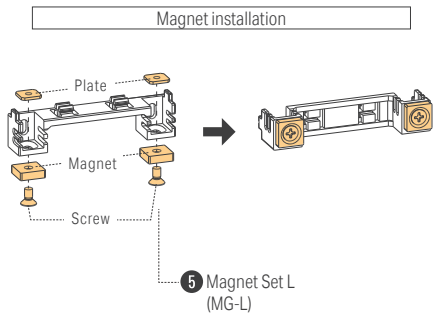
Liftclip installation: Standard installation direction



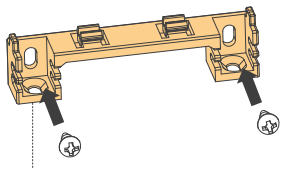
Recommended screw: **flat head screw M3**

Recommend to use at least 4 pcs per meter with less than 300mm pitch.

Note: different screw type are required for different installation side.



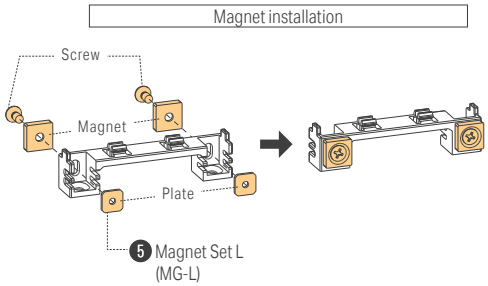
Liftclip installation: Horizontal installation direction



Recommended screw: **pan head screw M3**

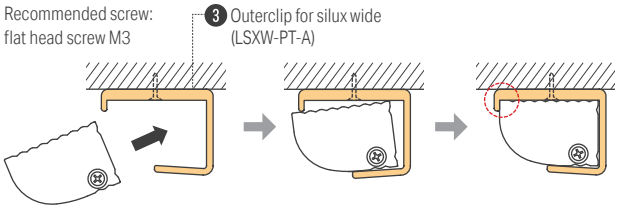
Recommend to use at least 4 pcs per meter with less than 300mm pitch.

Note: different screw type are required for different installation side.



Installing the product

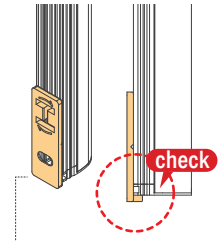
Outerclip installation



Recommend to use at least 4 pcs per meter with less than 300mm pitch.

For vertical installation

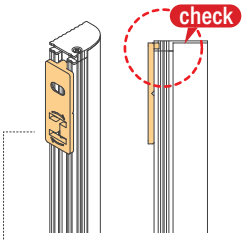
Bottom



1 Multiclip K for silux (LSX-PTM-C) Attachment

Recommended screw: flat head screw M3

Top

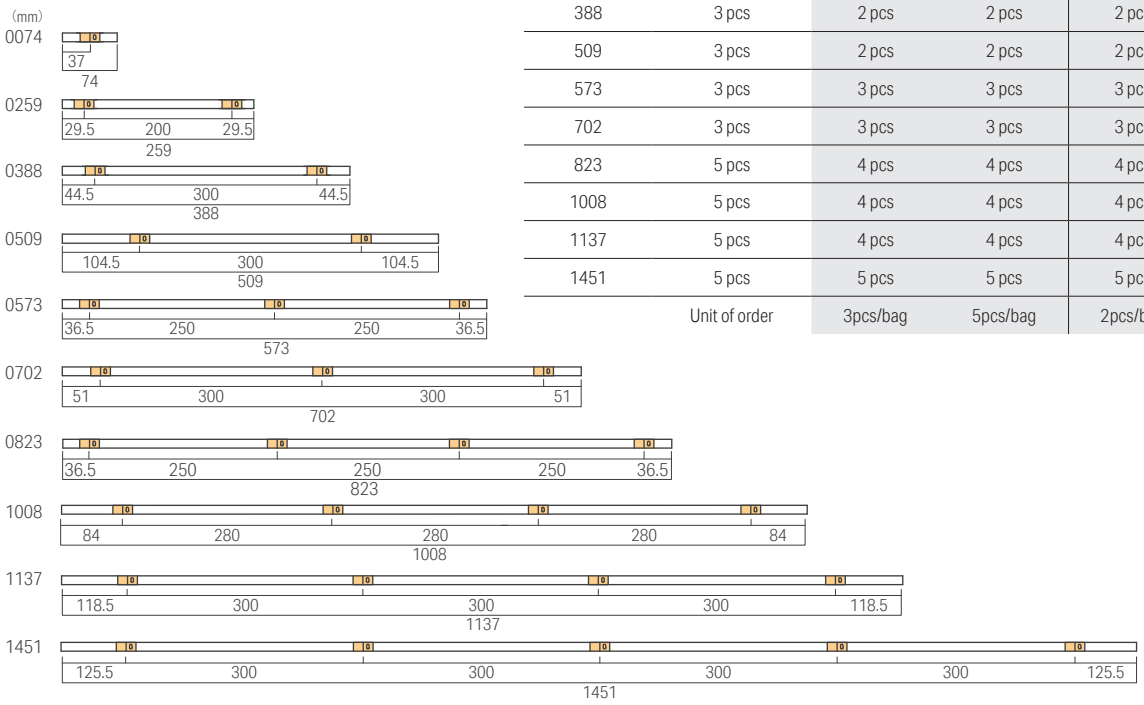


1 Multiclip K for silux (LSX-PTM-C) Attachment

Recommended screw: flat head screw M3

For vertical installation, make sure the top and bottom of LED fixture hook on the edge of the Multiclip K in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the Multiclip, it may slide down and fall.

Recommended number of Moutning clips and magnets

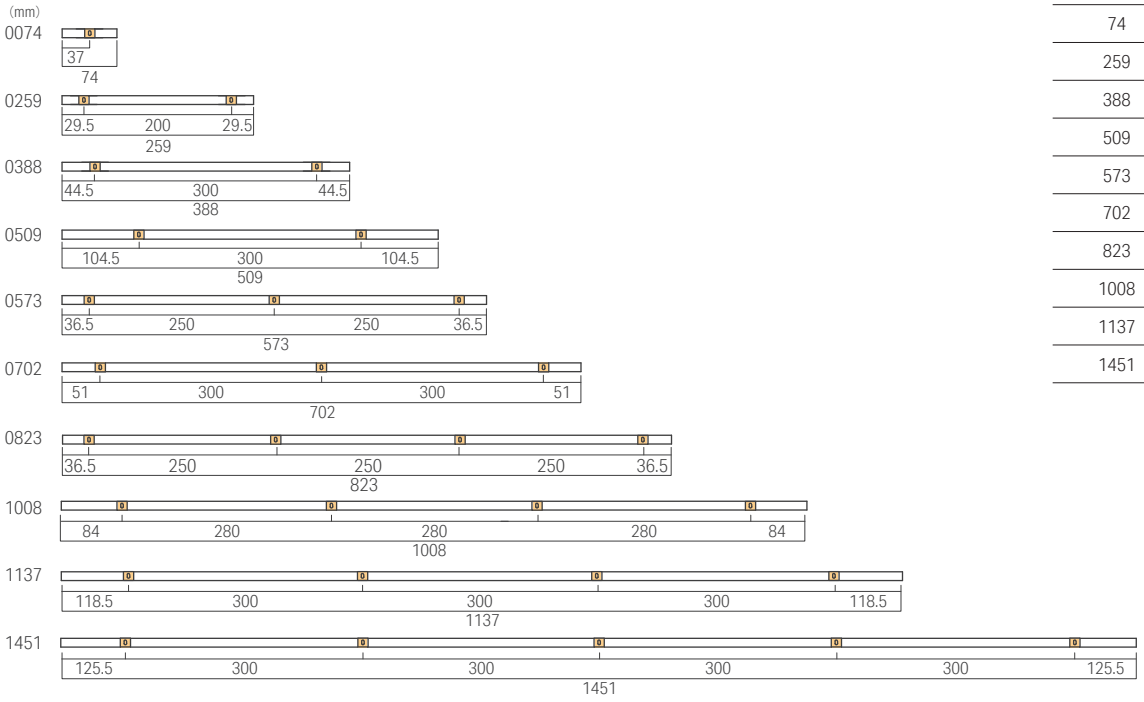


Fixture length(mm)	1 Attachment multi clip	1 Multi clip	4 Magnet set A	2 Lift clip	5 Magnet set L
74	3 pcs	1 pcs	1 pcs	1 pcs	2 pcs
259	3 pcs	2 pcs	2 pcs	2 pcs	4 pcs
388	3 pcs	2 pcs	2 pcs	2 pcs	4 pcs
509	3 pcs	2 pcs	2 pcs	2 pcs	4 pcs
573	3 pcs	3 pcs	3 pcs	3 pcs	6 pcs
702	3 pcs	3 pcs	3 pcs	3 pcs	6 pcs
823	5 pcs	4 pcs	4 pcs	4 pcs	8 pcs
1008	5 pcs	4 pcs	4 pcs	4 pcs	8 pcs
1137	5 pcs	4 pcs	4 pcs	4 pcs	8 pcs
1451	5 pcs	5 pcs	5 pcs	5 pcs	10 pcs
	Unit of order	3pcs/bag	5pcs/bag	2pcs/bag	10pcs/bag

Luci silux® wide K

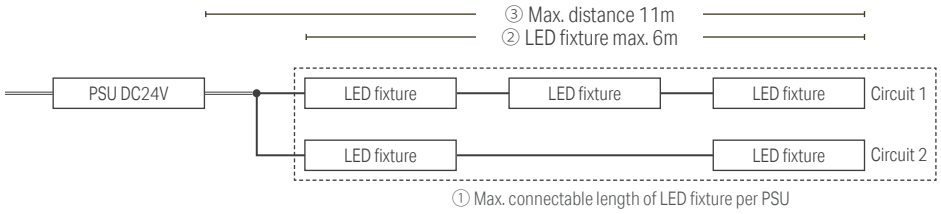
Installing the product

Recommended number of Outer clips



Fixture length(mm)	③ Outer clip
74	1 pcs
259	2 pcs
388	2 pcs
509	2 pcs
573	3 pcs
702	3 pcs
823	4 pcs
1008	4 pcs
1137	4 pcs
1451	5 pcs
	5pcs/bag

System configuration diagram

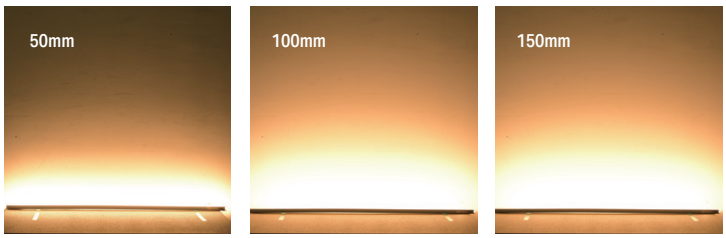


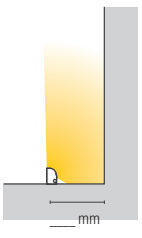
① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

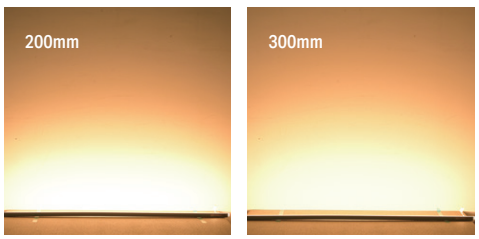
② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

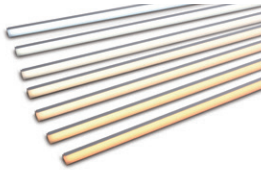
Distance from wall







Illuminance data



LSXWK-13
Luci silux® wide K

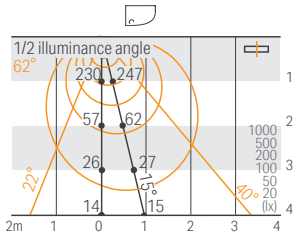
Color temparature

5300K 4200K 3500K 3000K 2700K 2400K 2100K

Direct horizontal surface light intensity distribution chart

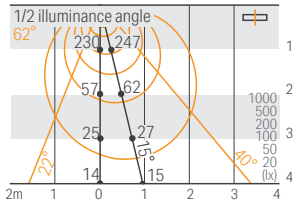
LSXWK-1008-N-DF-I-13

Light source color	5000K
Brightness	230 cd
Luminous flux	811 lm
Color rendering index	Ra 93



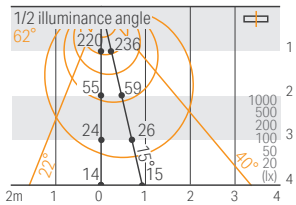
LSXWK-1008-W-DF-I-13

Light source color	4000K
Brightness	230 cd
Luminous flux	811 lm
Color rendering index	Ra 94



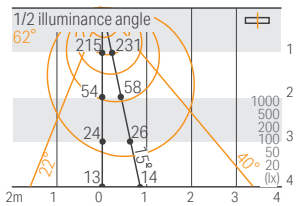
LSXWK-1008-WW-DF-I-13

Light source color	3500K
Brightness	220 cd
Luminous flux	777 lm
Color rendering index	Ra 94



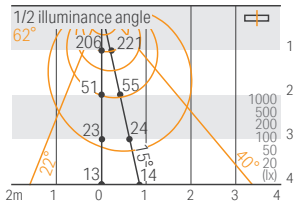
LSXWK-1008-L30-DF-I-13

Light source color	3000K
Brightness	215 cd
Luminous flux	759 lm
Color rendering index	Ra 93



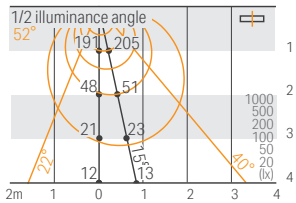
LSXWF-1008-L27-DF-I-13

Light source color	2700K
Brightness	206 cd
Luminous flux	725 lm
Color rendering index	Ra 93



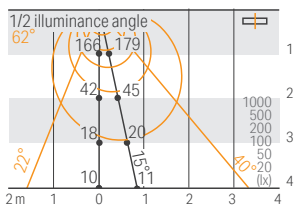
LSXWK-1008-L24-DF-I-13

Light source color	2400K
Brightness	191 cd
Luminous flux	673 lm
Color rendering index	Ra 94



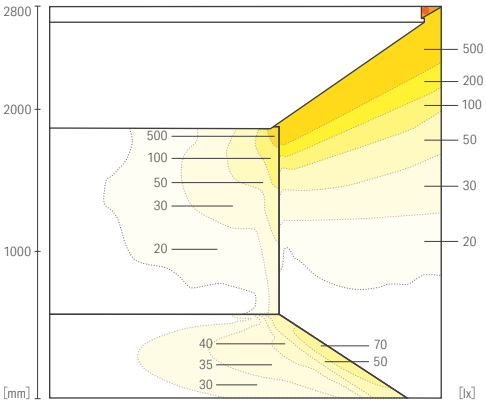
LSXWK-1008-L21-DF-I-13

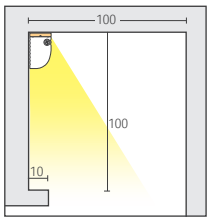
Light source color	2100K
Brightness	191 cd
Luminous flux	673 lm
Color rendering index	Ra 90



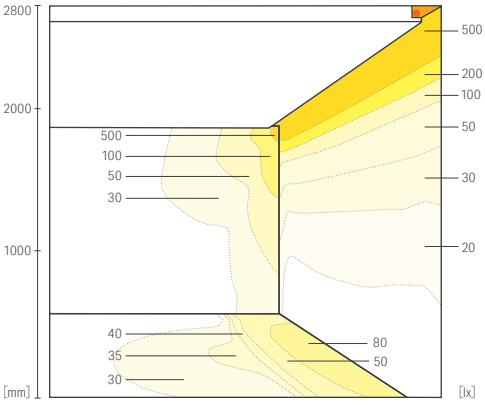
Recommendend dimensions and illumination distribuitions

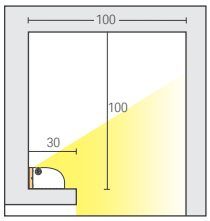
Cornice lighting-1 CH=2800



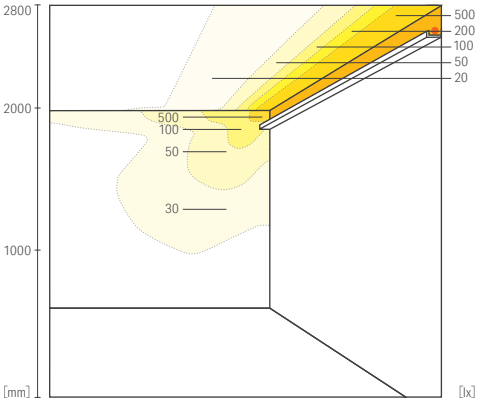


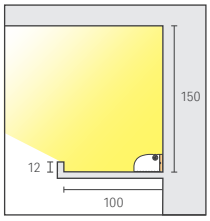
Cornice lighting-2 CH=2800





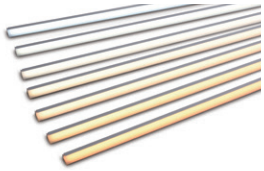
Cove lighting CH=2800





Luci silux® wide K

Illuminance data



LSXWK-8
Luci silux® wide K

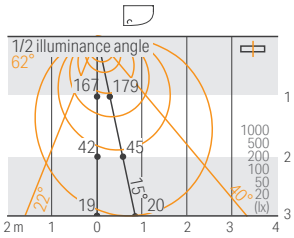
Color temparature

5300K 4200K 3500K 3000K 2700K 2400K 2100K

Direct horizontal surface light intensity distribution chart

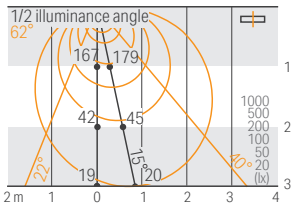
LSXWK-1008-N-DF-I-8

Light source color	5000K
Brightness	167 cd
Luminous flux	589 lm
Color rendering index	Ra 93



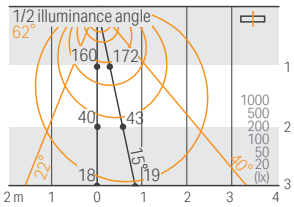
LSXWK-1008-W-DF-I-8

Light source color	4000K
Brightness	167 cd
Luminous flux	589lm
Color rendering index	Ra 94



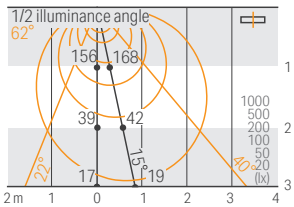
LSXWK-1008-WW-DF-I-8

Light source color	3500K
Brightness	160 cd
Luminous flux	564 lm
Color rendering index	Ra 94



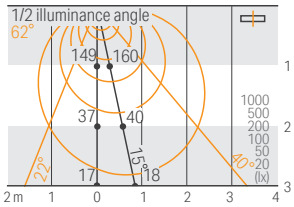
LSXWK-1008-L30-DF-I-8

Light source color	3000K
Brightness	156 cd
Luminous flux	551 lm
Color rendering index	Ra 93



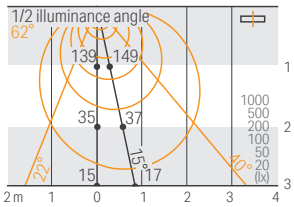
LSXWF-1008-L27-DF-I-8

Light source color	2700K
Brightness	149 cd
Luminous flux	526 lm
Color rendering index	Ra 93



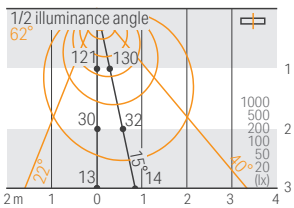
LSXWK-1008-L24-DF-I-8

Light source color	2400K
Brightness	139 cd
Luminous flux	488 lm
Color rendering index	Ra 94



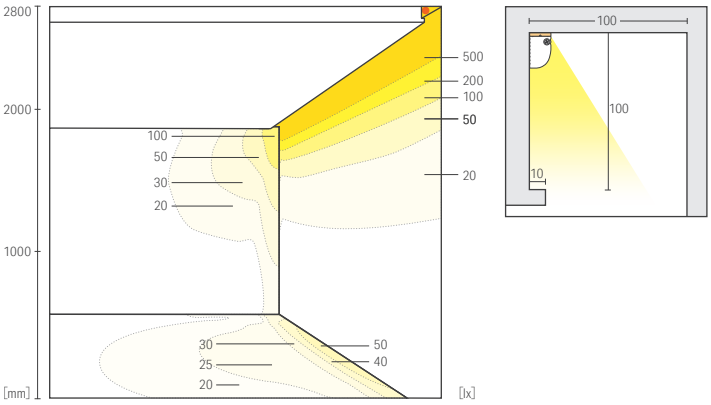
LSXWK-1008-L21-DF-I-8

Light source color	2100K
Brightness	121 cd
Luminous flux	426 lm
Color rendering index	Ra 90

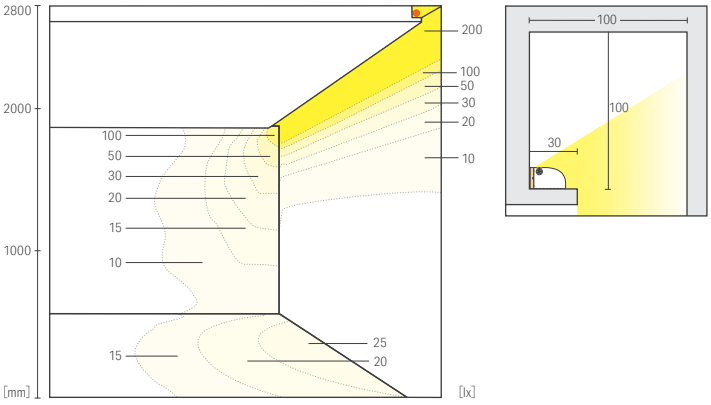


Recommendend dimensions and illumination distribuitions

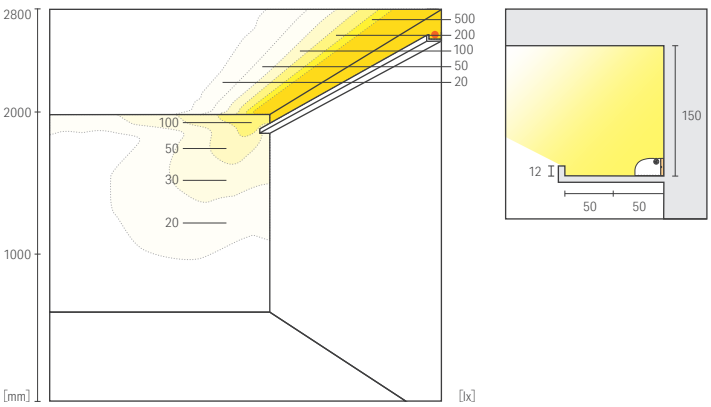
Cornice lighting-1 CH=2800



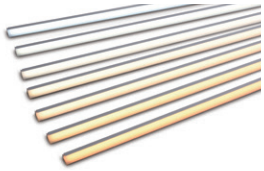
Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data



LSXWK-4
Luci silux® wide K

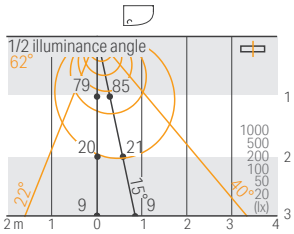
Color temparature

5300K 4200K 3500K 3000K 2700K 2400K 2100K

Direct horizontal surface light intensity distribution chart

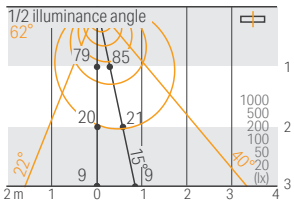
LSXWK-1008-N-DF-I-4

Light source color	5000K
Brightness	79 cd
Luminous flux	279 lm
Color rendering index	Ra 93



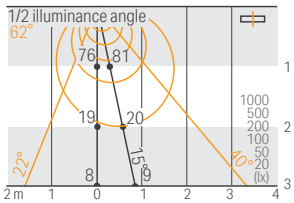
LSXWK-1008-W-DF-I-4

Light source color	4000K
Brightness	79 cd
Luminous flux	279 lm
Color rendering index	Ra 94



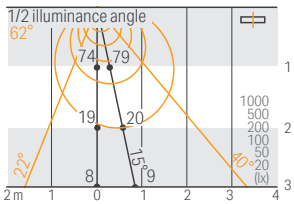
LSXWK-1008-WW-DF-I-4

Light source color	3500K
Brightness	76 cd
Luminous flux	267 lm
Color rendering index	Ra 94



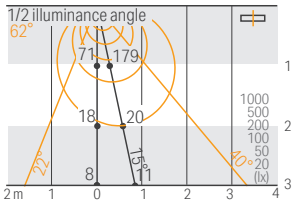
LSXWK-1008-L30-DF-I-4

Light source color	3000K
Brightness	74 cd
Luminous flux	264 lm
Color rendering index	Ra 93



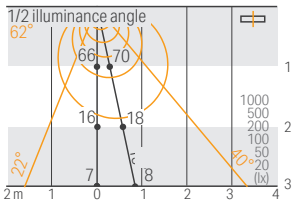
LSXWF-1008-L27-DF-I-4

Light source color	2700K
Brightness	71 cd
Luminous flux	249 lm
Color rendering index	Ra 93



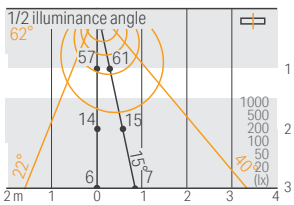
LSXWK-1008-L24-DF-I-4

Light source color	2400K
Brightness	66 cd
Luminous flux	231 lm
Color rendering index	Ra 94



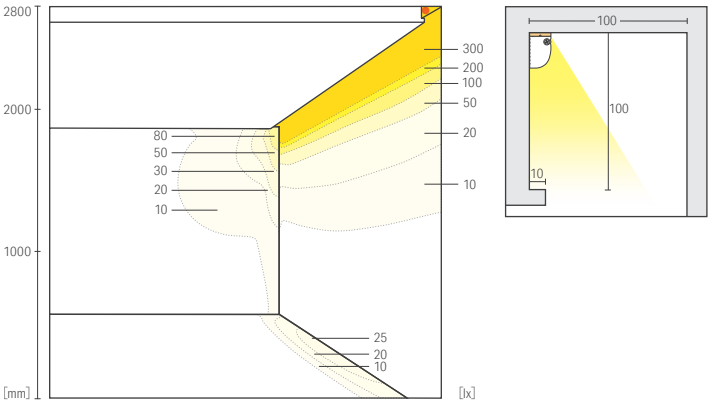
LSXWK-1008-L21-DF-I-4

Light source color	2100K
Brightness	57 cd
Luminous flux	201 lm
Color rendering index	Ra 90

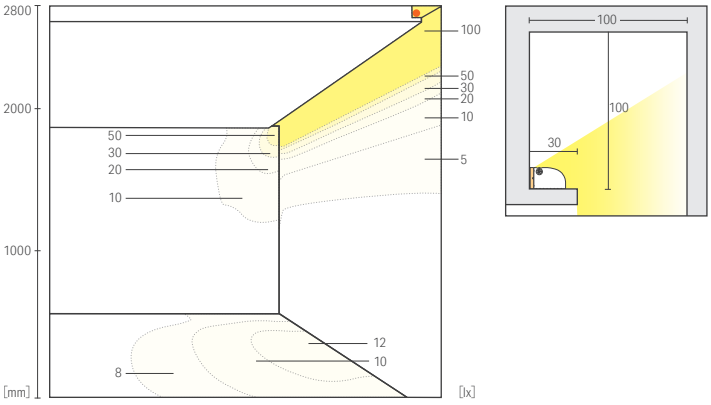


Recommendend dimensions and illumination distribuitions

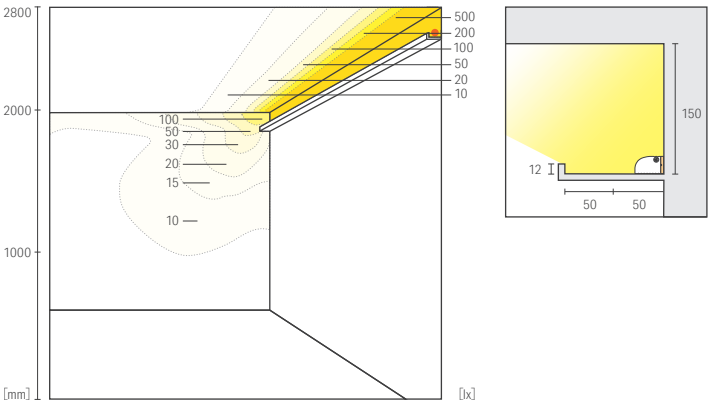
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



LNL

SHIBUYA SKY
Location: Japan
Architect office: Shibuya Station Area Maintenance Plan Joint Venture
Construction: Shibuya Station East Building Project New Building Construction Joint Venture, NOMURA Co., Ltd.

KUMAMOTO SHINTO General Hospital
Location: Japan
Architect office: MATSUO Corporation

Lighting Design: MATSUO Corporation
Lighting Art Construction: MYSA Co., Ltd.
Photo: MYSA Co., Ltd.

Luci nano line

Only 5.5mm light-emitting surface for recessed lighting
Smart form allows a unique line lighting to be installed in joinery, handrails, back of mirror etc.

Specifications

Dimensions

Cross section W 5.5 x H 22.8mm including clip
Length 10 types of fixed length

984 | 886
789 | 692 | 595
498 | 400 | 303 | 206 | 109

Color temperature

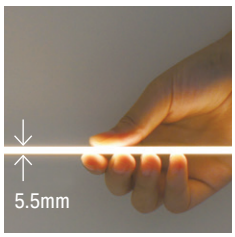
5300K | 4000K | 3500K | 3000K | 2700K | 2400K

Ra 90

Electrical & Output

Power Consumption (W/m)	7.3
Luminous flux @ 3000K (lm/m)	66

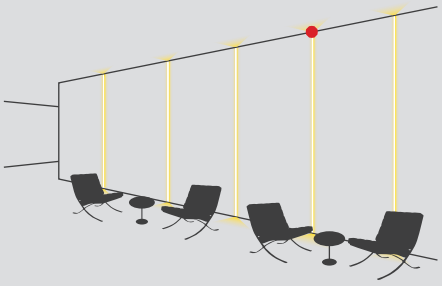
Non-slip clip for vertical installation



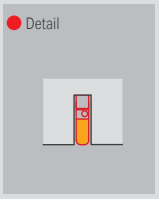
Magnet installation

Wall-embedded vertical line lighting

The directly exposed narrow line light source adds some spice to a space.



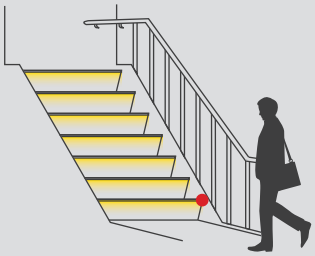
Detail



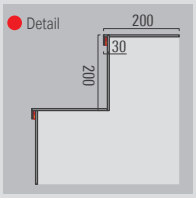
Example image of embedding

Staircase riser indirect lighting

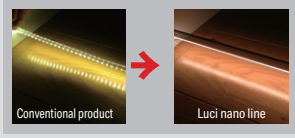
Indirect lighting on staircase risers helps recognition of stair steps,
and has an effect of increasing safety while walking.



Detail

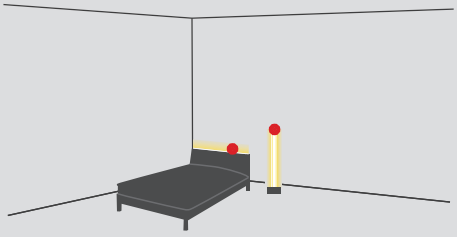


POINT Small indirect lighting source where reflecting surface is dot-less!

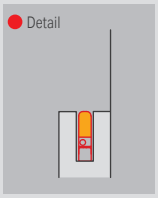


Headboard lighting

Multiple indirect lighting sources around a bed create a sense of depth and a space for relaxation.



Detail



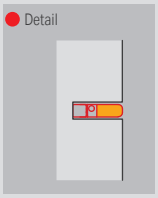
Handrail lighting

Light source embedded in a handrail shines on the wall and floor to increase visibility, resulting in prevention of falls while walking.

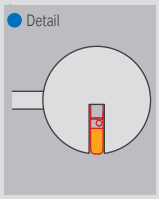
Wall-embedded horizontal line lighting

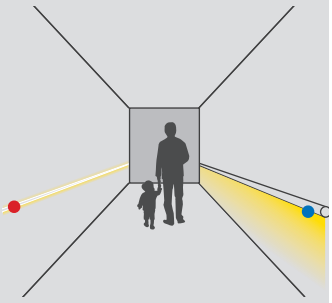
Horizontal line lighting provides a space with a sense of depth and expectation.

Detail



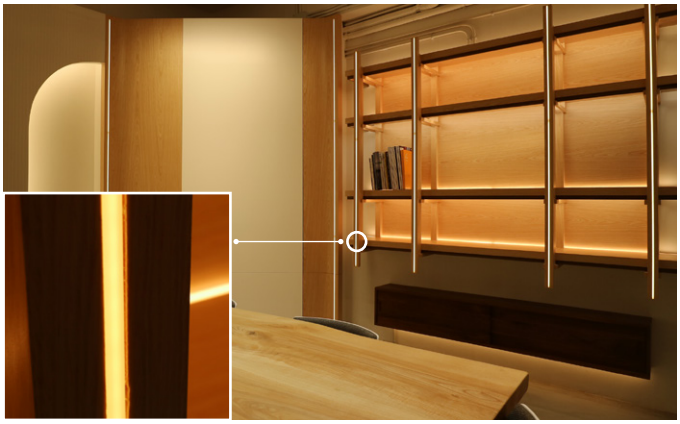
Detail





Project reference

Senri Chuo CIELIA TOWER / Location: Japan / Owner: Kanden Realty & Development Co.,Ltd. / The Kansai Electric Power Company,Incorporated / Architect office: KAN DESIGNING OFFICE LTD. / Lighting design: WORKTECHT CORPORATION / Photo: Through Kanden Realty & Development Co.,Ltd.



Luci nano line

LNL

Color management
ANSI BIN

3 years warranty

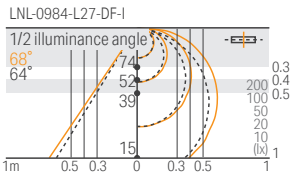
- 5.5mm width homogeneous rigid light with 10 length variations
- Ideal for recessed linear light for wall, ceiling and furniture
- Available for magnet installation

Model No.

LNL - □□□□ - □ - DF - I

Product Name	Length	Light source color	Cover Type	Environment
LNL	0109 0595 0206 0692 0303 0789 0400 0886 0498 0984	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K	DF : Diffuser	I : Indoor

Light Intensity Refer to P.161



Specification

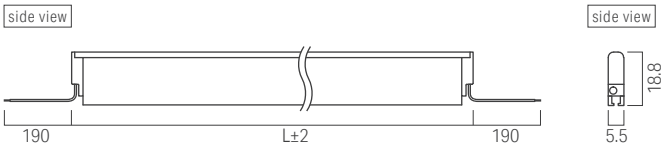
Length			0109	0206	0303	0400	0498	0595	0692	0789	0886	0984
Model No.			LNL-0109-□-DF-I	LNL-0206-□-DF-I	LNL-0303-□-DF-I	LNL-0400-□-DF-I	LNL-0498-□-DF-I	LNL-0595-□-DF-I	LNL-0692-□-DF-I	LNL-0789-□-DF-I	LNL-0886-□-DF-I	LNL-0984-□-DF-I
Power consumption			0.7W	1.4W	2.2W	2.9W	3.6W	4.3W	5.0W	5.8W	6.5W	7.2W
Fitting length(L)			109mm	206mm	303mm	400mm	498mm	595mm	692mm	789mm	886mm	984mm
Weight			20g	37g	52g	68g	83g	99g	114g	130g	145g	160g
Luminaire efficacy(2700K)			9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W*	9.5 lm/W
Light source color			○ = Device inventory * = Equivalent									
D	7100K		-	-	-	-	-	-	-	-	-	-
N	5300K		○	○	○	○	○	○	○	○	○	○
W	4200K	Ra92	○ 7lm*	○ 13lm*	○ 20lm*	○ 26lm*	○ 33lm*	○ 40lm*	○ 46lm*	○ 53lm*	○ 59lm*	○ 66lm
WW	3500K	Ra91	○ 6lm*	○ 12lm*	○ 17lm*	○ 23lm*	○ 29lm*	○ 35lm*	○ 41lm*	○ 46lm*	○ 52lm*	○ 58lm
L30	3000K	Ra87	○ 7lm*	○ 13lm*	○ 20lm*	○ 26lm*	○ 33lm*	○ 39lm*	○ 46lm*	○ 52lm*	○ 59lm*	○ 65lm
L27	2700K	Ra87	○ 6lm*	○ 12lm*	○ 18lm*	○ 24lm*	○ 30lm*	○ 35lm*	○ 41lm*	○ 47lm*	○ 53lm*	○ 59lm
L24	2400K	Ra85	○ 5lm*	○ 10lm*	○ 16lm*	○ 21lm*	○ 26lm*	○ 31lm*	○ 36lm*	○ 42lm*	○ 47lm*	○ 52lm
L19	1900K		-	-	-	-	-	-	-	-	-	-

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	5m
Material (body)	Polycarbonate, Aluminum
Attachments	❶ Mounting clip 2 pcs for the body installation 2 pcs for the end part installation
Option parts	❶ Mounting clip ❷ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

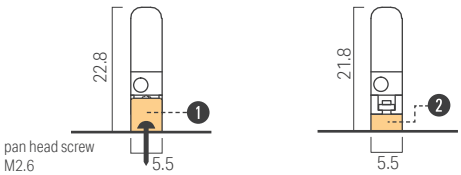
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
~ 5 m	50W power supply
~ 10 m*	100W power supply
~ 14 m*	150W power supply

Cross sectional view when installing optional items



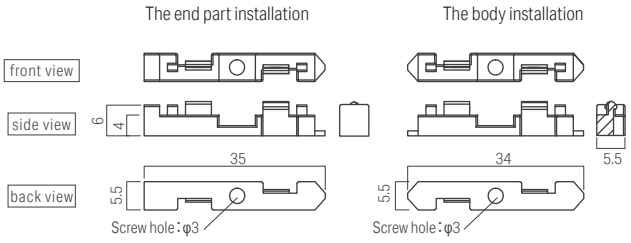
Option parts

1 Mounting clip A for nano line Attachment

Model No : LNL-PTA

Attached with LED fixture
2 pcs for the end part and 2 pcs for body part

For extra order
4 pcs for the end part and 4 pcs for body part per bag



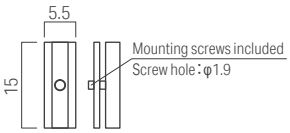
2 Magnet for nano line

Model No : LNL-MG

10 pcs / bag

Recommended number of magnets
2 pcs for 109 mm to 303 mm
3 pcs for 400 mm to 595 mm
4 pcs for 692 mm to 984 mm

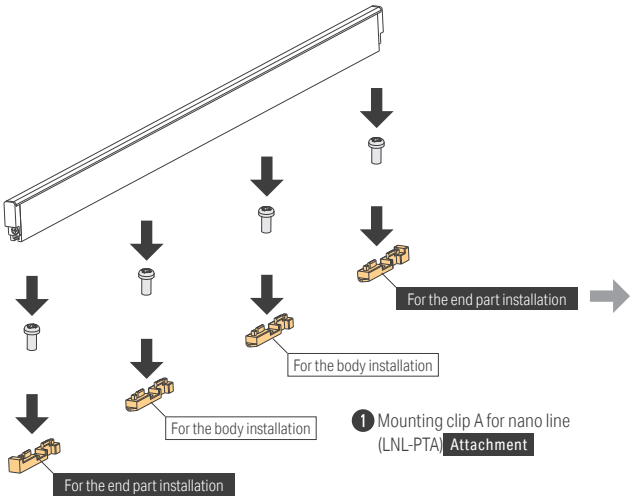
Used for installing LED fixture on metal plate.
Metal plate is required to supply by installer.
The magnets need to be fixed by installer.



Luci nano line

Installing the product

For horizontal installation

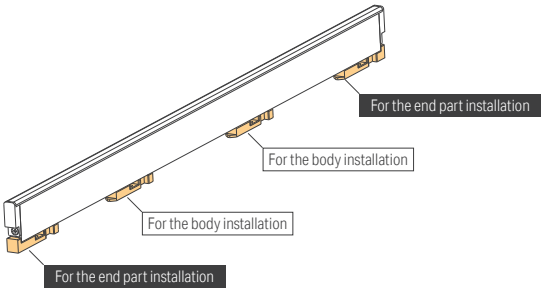


⚠ Cautions

Beware that there are two different types of fitting clips and one is for the main body and the other is for the end section.

⚠ Cautions

Ensure that the fitting clips for the end section are used.



The mounting clip should be preset on the installation spot with screws supplied by installer. (Pan head screws M2.6 recommended)

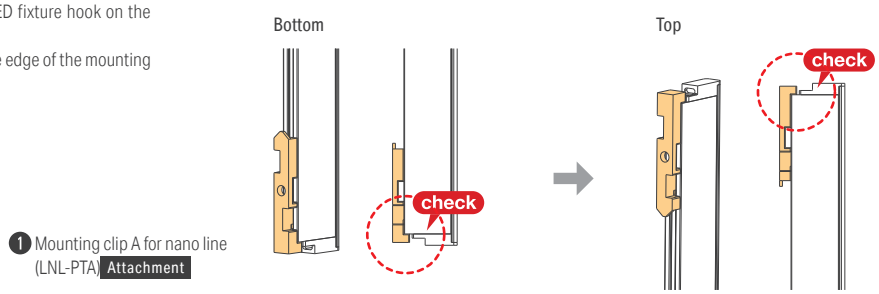
Attach LED fixture onto the mounting clips until click sound.
Ensure that two mounting clips for the end section are installed at the end of LED fixture.

Mounting Clip A Recommended number of clips for the installation

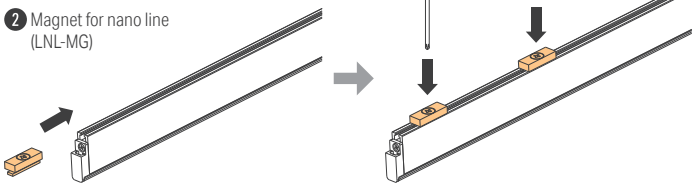
Mounting Clip A \ Length	0109	0206	0303	0400	0498	0595	0692	0789	0886	0984
For the end part installation	2	2	2	2	2	2	2	2	2	2
For the body installation	0	0	0	1	1	1	2	2	2	2

For vertical installation

For vertical installation, make sure the top and bottom of LED fixture hook on the edge of the mounting clips in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the mounting clips at the bottom, it may slide down and fall.



Magnet installation



Loosen the screw of the magnet and slide it into the groove at the back of LED fixture.

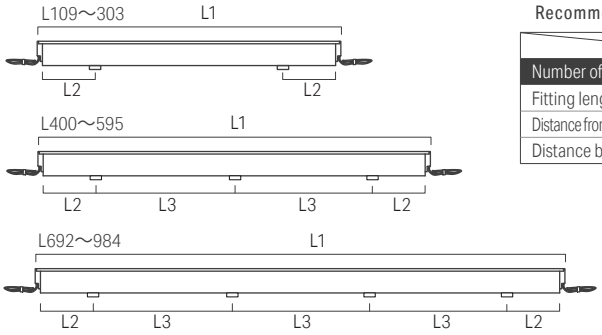
Tighten the screw of the magnet by using small screwdriver at decided position.

⚠ Cautions

Small screwdriver is needed to tighten the screws of the magnets.

⚠ Cautions

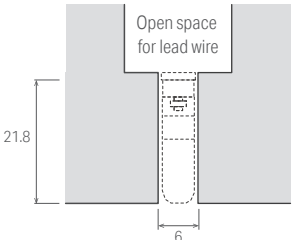
Do not install LED fixture with magnets downwardly as it might fall.



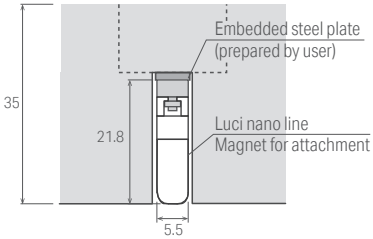
Recommended number of magnets for the installation

	0109	0206	0303	0400	0498	0595	0692	0789	0886	0984
Number of magnets	2	2	2	3	3	3	4	4	4	4
Fitting length(L1)	109	206	303	400	498	595	692	789	886	984
Distance from the end of the LED fixture(L2)	25	25	25	25	25	25	25	25	25	25
Distance between magnets(L3)	-	-	-	171	220	269	211	244	276	309

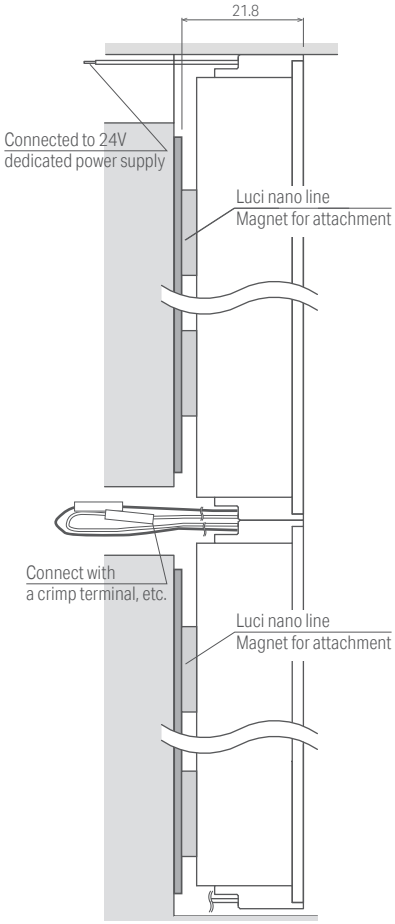
Cross-sectional view A
(Without light appliance)



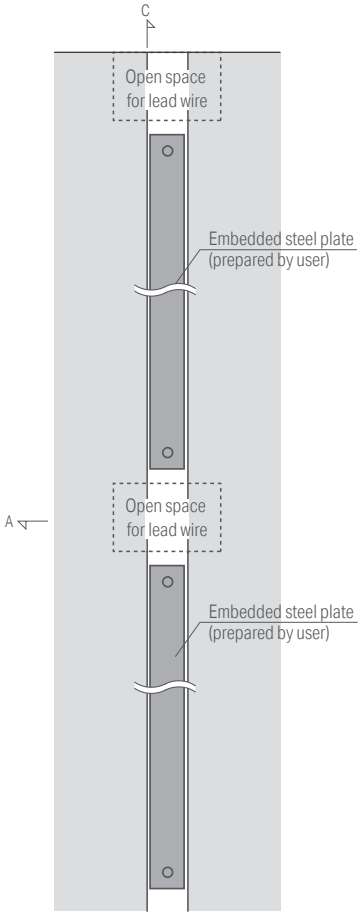
Cross-sectional view B
(With light appliance)



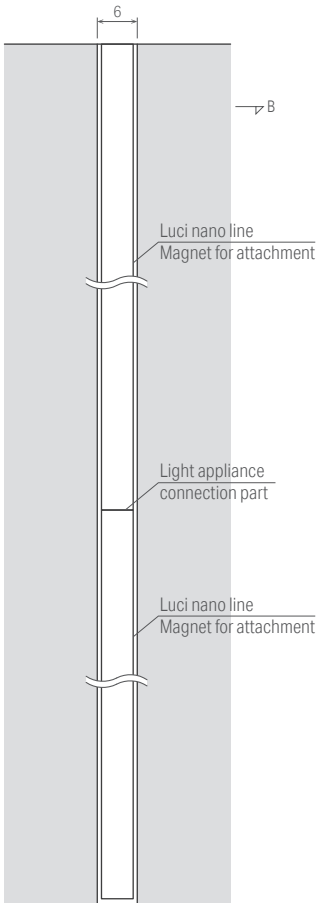
Cross-sectional view C



Elevation view of opening

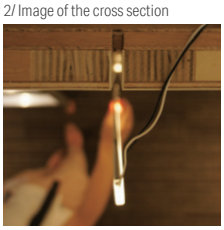


Elevation view after installation

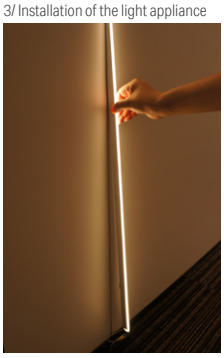


1/ Image of the cross section

2/ Image of the cross section



3/ Installation of the light appliance

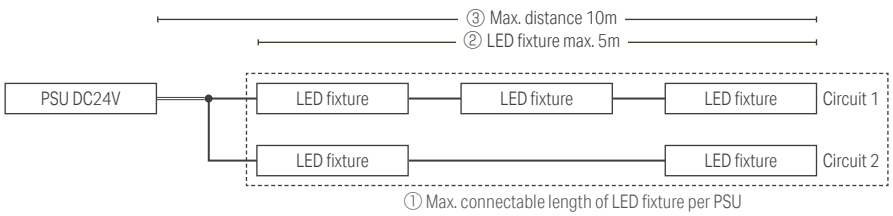


4/ Opening for lead wire

5/ After installation

Luci nano line

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Illuminance data

LNL
Luci nano line

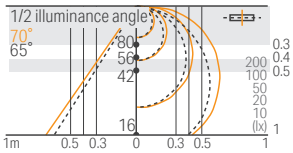
Color temparature

4200K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

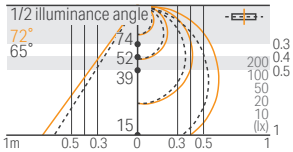
LNL-0984-W-DF-I

Light source color	4200K
Brightness	16 cd
Luminous flux	66 lm
Color rendering index	Ra 92



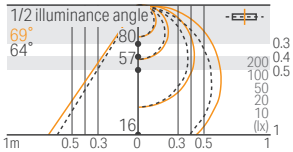
LNL-0984-WW-DF-I

Light source color	3500K
Brightness	15 cd
Luminous flux	58 lm
Color rendering index	Ra 91



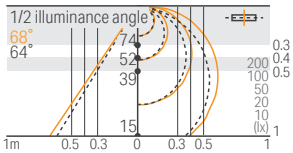
LNL-0984-L30-DF-I

Light source color	3000K
Brightness	16 cd
Luminous flux	65 lm
Color rendering index	Ra 87



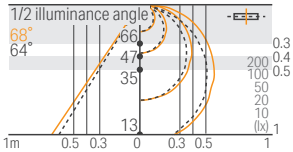
LNL-0984-L27-DF-I

Light source color	2700K
Brightness	15 cd
Luminous flux	59 lm
Color rendering index	Ra 87



LNL-0984-L24-DF-I

Light source color	2400K
Brightness	13 cd
Luminous flux	52 lm
Color rendering index	Ra 85



LVF-O NEW

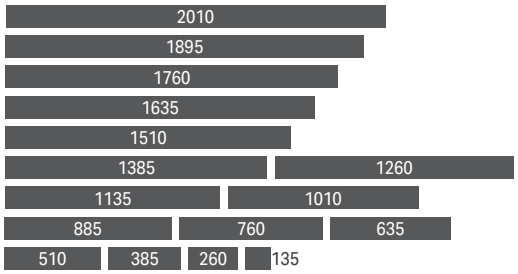
Luci Vivoxy FLEX IP67

Flexible wall grazing light to beautifully accentuate
the curved element with vertical and horizontal bending
Reduced unpleasant scalloping,
applicable for a wide range of offset distances

Specifications

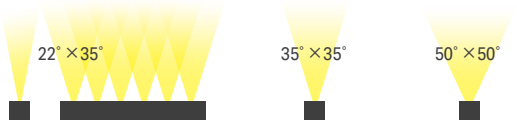
Dimensions

Cross section	W27xH45 mm with mounting rail /parts
Custom length	135 to 2010 mm (125mm length increment)
	15 types of fixed length with both sides or one side cable with IP67 connector



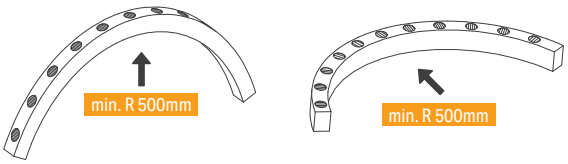
Color temperature

Optics



Min Bending radius

min. R 500mm with mounting parts in Top / Side bend
min. R 1000mm with bendable rail in Top bend

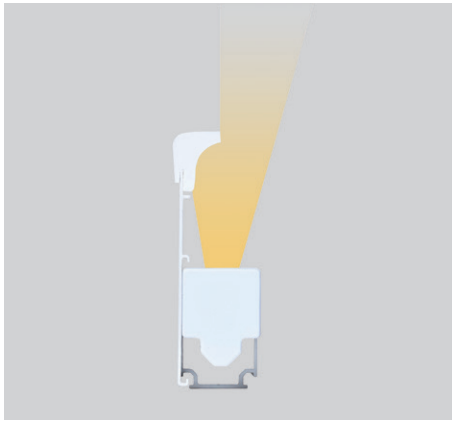


Electrical & Output

Power Consumption (W/m)	24	16
Luminous flux @ 3000K (lm/m), Optics SP2	1614	1076

Features

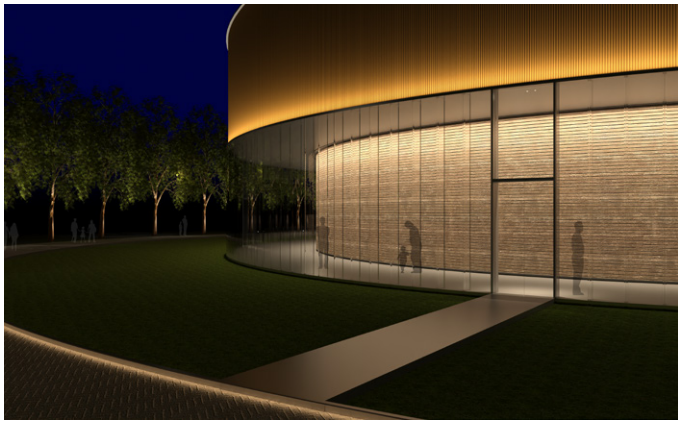
3 body colours to match the finish
(Gray: for exterior use where direct exposure to sunlight)

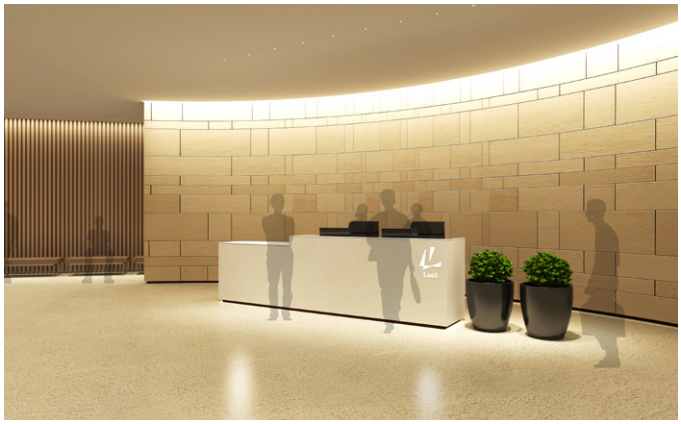


Bendable glare cut shield with silicon can be covered LED half to avoiding unexpected light spill, glare, light pollution for exterior

No scallop light on the wall even small offset thanks to diffused silicone

Application sample





Luci Vivoxy FLEX IP67

LVF-O NEW

Color management
MacAdam 3 step

CE

-Wall grazing light for organic design
-Bendable Horizontal and Vertical in R500mm
- Adjustable bracket and Shield option

Model No.

LVF40 - □□□□ □ - □ - □□ - O - □□ - □

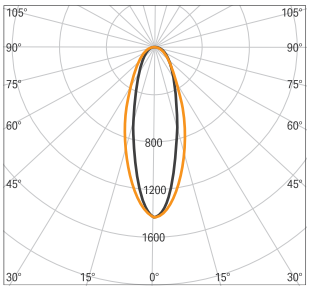
Product Name / LED pitch	Length	Lead Wire	Light source color	Beam angle	Environment	Power consumption	Body color
LVF40 : 40mm pitch	0125 1125 0250 1250 0375 1375 0500 1500 0625 1625 0750 1750 0875 1875 1000 2000	W : Both ends lead wire S : One end lead wire	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L22 : Warm white 2200K	SP2 : 22°×35° 35 : 35° 50 : 50°	O : Outdoor	24 : 24W/m 16 : 16W/m	G : Gray W : White B : Black* * Need MOQ 10M

Specification

Power consumption		24W/m			16W/m		
Model No.		LVF40-1000□-□-□□-O-24-□			LVF40-1000□-□-□□-O-16-□		
Fitting length		1010mm			1010mm		
Weight		520g			520g		
Luminaire efficacy (2700K)		66.9 lm/W			66.9 lm/W		
Light source color@SP2		○ = Device inventory * = Equivalent					
D	6500K	Ra 85	○	1844 lm	Ra 85	○	1230 lm
N	5000K	Ra 84	○	1970 lm	Ra 84	○	1314 lm
W	4000K	Ra 94	○	1587 lm	Ra 94	○	1059 lm
WW	3500K	Ra 82	○	1880 lm	Ra 82	○	1253 lm
L30	3000K	Ra 92	○	1614 lm	Ra 92	○	1076 lm
L27	2700K	Ra 93	○	1605 lm	Ra 93	○	1071 lm
L22	2200K	Ra 81	○	1563 lm	Ra 81	○	1042 lm

Light distribution curve Refer to P.168

LVF40-1000W-L30-SP2-O-24-W



Size Variation

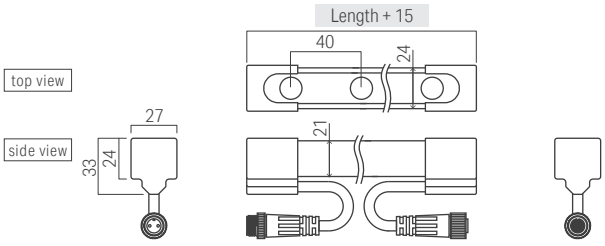
Length	0125	0250	0375	0500	0625	0750	0875	
Power consumption (24W/m | 16W/m)	3W | 2W	6W | 4W	9W/m | 6W/m	12W | 8W	15W | 10W	18W | 12W	21W | 14W	
Fitting length	135mm	260mm	385mm	510mm	635mm	760mm	885mm	
Length	**1125**	**1250**	**1375**	**1500**	**1625**	**1750**	**1875**	**2000**
Power consumption (24W/m | 16W/m)	27W | 18W	30W | 20W/m	33W | 22W	36W | 24W	39W | 26W	42W | 28W	45W | 30W	48W | 32W
Fitting length	1135mm	1260mm	1385mm	1510mm	1635mm	1760mm	1885mm	2010mm

General Specification

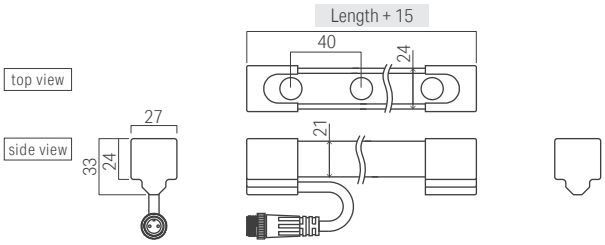
Input voltage	DC24V
LED beam angle	22°×35°, 35°, 50°
Environment	In & Outdoor, IP67
Max. length per circuit	5m
Min. bending range	❶ Mounting rail + ❸❹ Glare cut shield/ Horizontal R1000mm ❷ Mounting parts / Horizontal,vertical R500mm
Material (body)	Silicone
Attachments	-
Option parts	❶ Mounting rail ❷ Mounting parts ❸❹ Glare cut shield ❺ Bracket ❻ Power supply cable ❼ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

Both ends lead wire



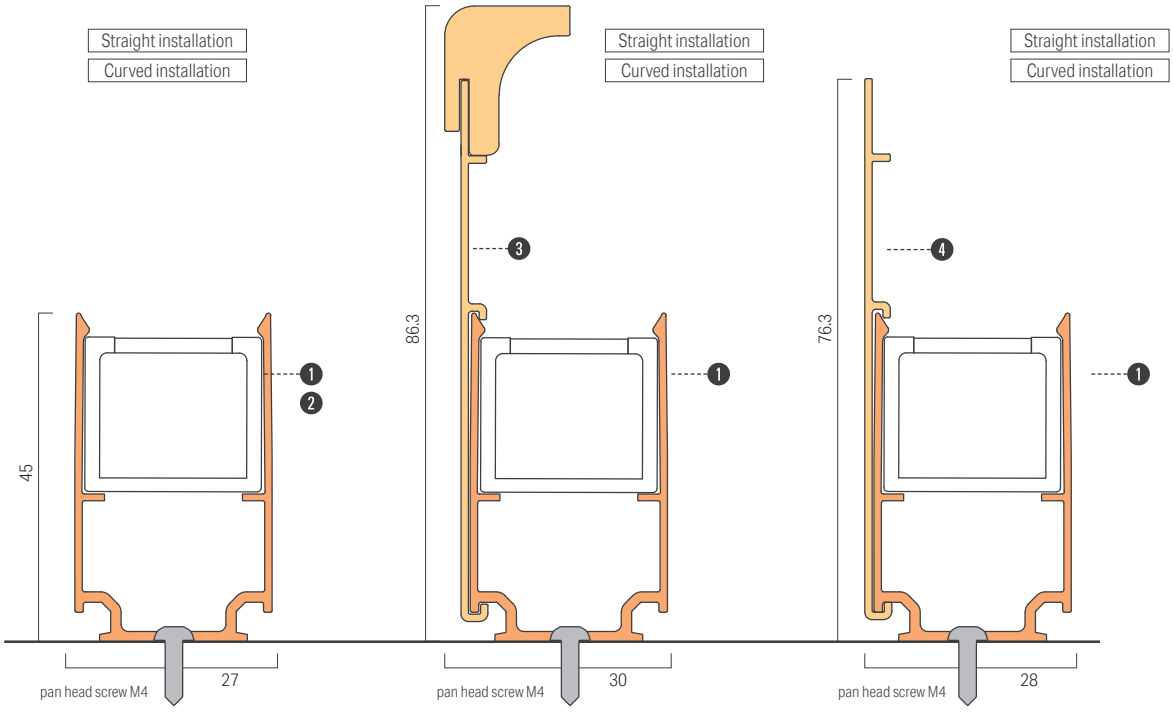
One end lead wire



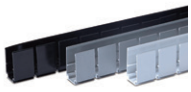
Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits		
24W/m	16W/m	Power supply
~1.4m	~2.1m	50W power supply
~2.9m	~4.37m	100W power supply
~4.3m	~6.5m*	150W power supply

Cross sectional view when installing optional items



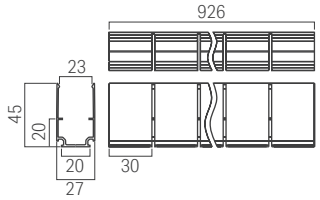
Option parts



1 Bendable AL rail 1000 for Vivoxy FLEX

Model No : LVF-RL1000-AL-W (White)
LVF-RL1000-AL-G (Gray)
LVF-RL1000-AL-B (Black)

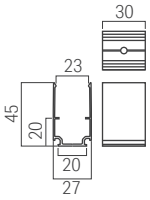
Min. bending range 1000mm

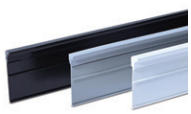


2 Mounting Parts for Vivoxy FLEX

Model No : LVF-RL0030-AL-W (White)
LVF-RL0030-AL-G (Gray)
LVF-RL0030-AL-B (Black)

5 pcs / bag

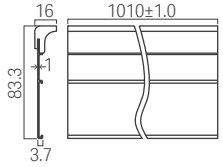




3 Glare cut shield with silicone for LVF 1000

Model No : LVF-GSS1000-W (White)
LVF-GSS1000-G (Gray)
LVF-GSS1000-B (Black)

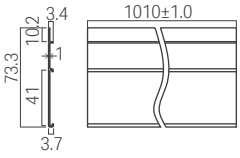
Min. bending range 1000mm



4 Glare cut shield for Vivoxy FLEX rail 1000

Model No : LVF-GS1000-W (White)
LVF-GS1000-G (Gray)
LVF-GS1000-B (Black)

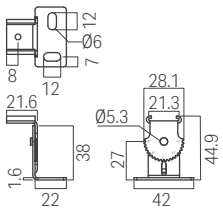
Min. bending range 1000mm



5 Adjustable SUS bracket for LVF rail

Model No : LVF-PT-A

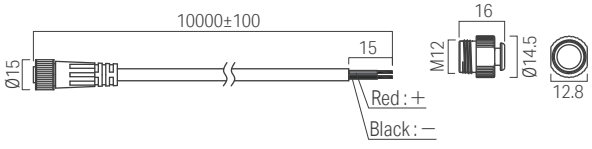
5 pcs / bag



6 Power supply cable 10M for Vivoxy FLEX **Required**

Model No : CAD-V010M-FQNN-O

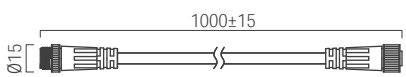
1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.
Connetctor cap (1 pc) is attached



7 Joint cable 1M for Vivoxy FLEX

Model No : CAD-V1000-MQFQ-O

Joint cable between two LED fixtures



Luci Vivoxy FLEX IP67

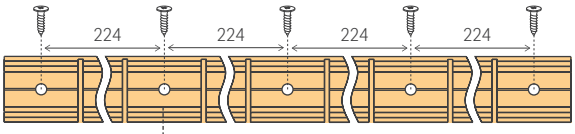
Installing the product

Installation with bendable rail

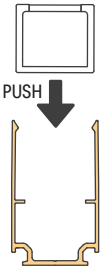
Fix the bendable rail by screws supplied by installer.
Recommended screw : pan head screw M4

Hold the upper side of LED fixture and push it down to put it in the rail.

Example: When LED fixture L = 1000 and bendable rail L = 926



1 Bendable AL rail 1000 for Vivoxy FLEX
Model No : LVF-RL1000-AL-W (White)
LVF-RL1000-AL-G (Gray)
LVF-RL1000-AL-B (Black)



Rail length for each LED fixture length, number of screws, screw hole pitch, The recommended number of installations is as follows.

LED fixture length (mm)	Rail length (mm)	Number of screws	Screw hole pitch (mm)
125	30	1	A*
250	158	2	128
375	286	2	192
500	414	3	192
625	542	3	224
750	670	4	224
875	798	5	192
1000	926	5	224

A* Mounting Parts
For lengths longer than the above, combine each length.

Caution:

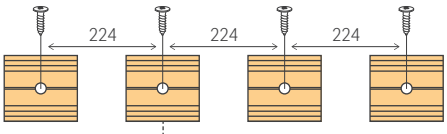
When inserting the LED fixture into the rail, do not press with force using fingers or a tool, it may cause damage to the LEDs, electric components, boards, and other parts.
There will be a high risk of unlighted LED, wire breakage and other failure occurring due to above improper mishandling.

Installation with mounting parts

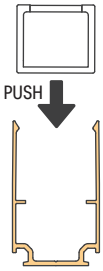
Fix the mounting parts by screws supplied by installer.
Recommended screw : pan head screw M4

Hold the upper side of LED fixture and push it down to put it in the mounting parts.

Example: When LED fixture L = 750



2 Mounting Parts for Vivoxy FLEX
Model No : LVF-RL0030-AL-W (White)
LVF-RL0030-AL-G (Gray)
LVF-RL0030-AL-B (Black)



Number of mounting parts for each LED fixture length, number of screws, screw hole pitch, The recommended number of installations is as follows.

LED fixture length (mm)	Number of mounting parts	Number of screws	Screw hole pitch (mm)
125	1	1	A*
250	2	2	128
375	2	2	192
500	3	3	192
625	3	3	224
750	4	4	224
875	5	5	192
1000	5	5	224

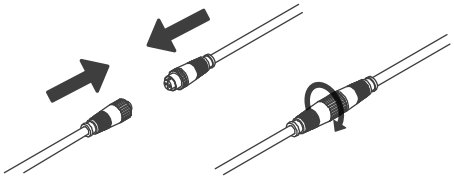
A* Mounting Parts
For lengths longer than the above, combine each length.

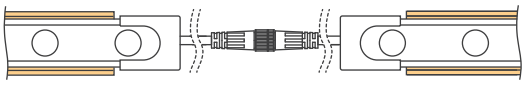
Caution:

When inserting the LED fixture into the mounting parts, do not press with force using fingers or a tool, it may cause damages to the LEDs, electric components, boards, and other parts.
There will be a high risk of unlighted LED, wire breakage and other failures due to above improper mishandling.

Installation with bendable rail, mounting parts Common Items

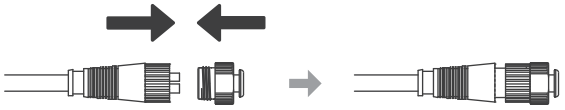
Ensure the pin holes in the connectors are positioned correctly before joining them.
To fasten, rotate the metalic knobs until tightend.





Caution:

The unenclosed connector at the terminal of Vovoxy FLEX IP67 must be sealed with connector cap which is enveloped in the power supply cable(CAAD-V010M-FQNN-0). To fasten, rotate the metalic knobs until tightend.



Aluminum rail cut

The Aluminium Bendable Rail for Vivoxy FLEX(LVF-RL1000-AL-W/B/G)can be cut according to the length of lighting fixture.
Aluminum rail mounting holes can also be made at the site by the installer. Please cut properly with a cutting tool for aluminum.

Installation of glare cut shield, glare cut shield & silicon on bendable rails

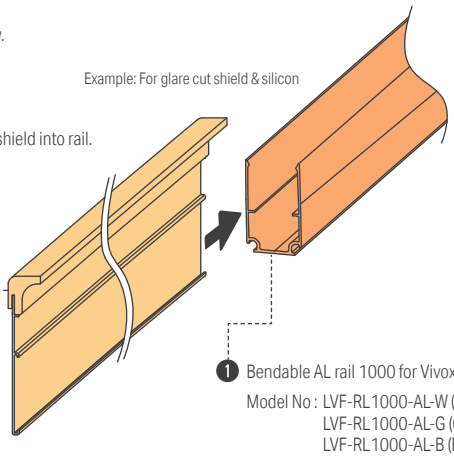
Attach the glare cut shield or glare cut shield & silicon to the bendable rail by sliding it as shown by the arrow.

<u>To make rail and shield curve</u>

Both rail and shield has to be straight when inserting shield into rail.

Bend rail and shield together to desired curve.

Example: For glare cut shield & silicon



3 Glare cut shield for Vivoxy FLEX rail 1000

Model No : LVF-GS1000-W (White)
LVF-GS1000-G (Gray)
LVF-GS1000-B (Black)

4 Glare cut shield with silicone for LVF 1000

Model No : LVF-GSS1000-W (White)
LVF-GSS1000-G (Gray)
LVF-GSS1000-B (Black)

1 Bendable AL rail 1000 for Vivoxy FLEX

Model No : LVF-RL1000-AL-W (White)
LVF-RL1000-AL-G (Gray)
LVF-RL1000-AL-B (Black)

Min. bending range R1000mm

Glare cut shield, Glare cut shield & silicon length for each LED fixture length, The recommended length of installations is as follows.

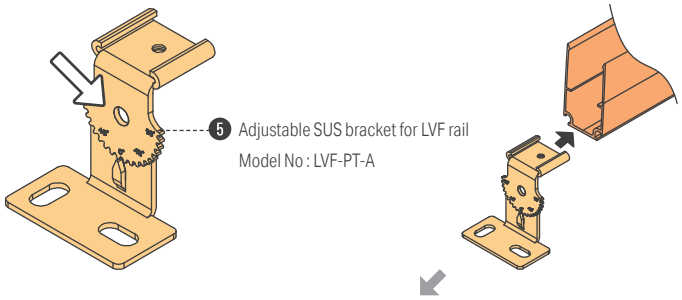
LED fixture length (mm)	Glare cut shield, Glare cut shield & silicon length (mm)
125	135
250	260
375	385
500	510
625	635
750	760
875	885
1000	1010

Caution:

Do not bend rail and shield separately as it make installation difficult and may cause shield to fall off rail.

Installation of adjustable brackets on bendable rail

Determine the angle of the adjustable bracket and tighten the screw at the arrow. → Slide the adjustable bracket on the bendable rail as shown by the arrow to attach it.



5 Adjustable SUS bracket for LVF rail

Model No : LVF-PT-A

Rail length for each LED fixture length, number of adjustable brackets, mounting pitch, The recommended number of installations is as follows.

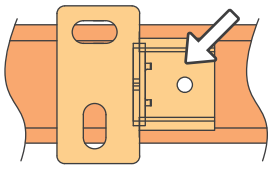
LED fixture length (mm)	Rail length (mm)	Number of adjustable brackets	Mounting pitch (mm)
125	30	1	-
250	158	2	128
375	286	2	192
500	414	3	192
625	542	3	224
750	670	4	224
875	798	5	192
1000	926	5	224

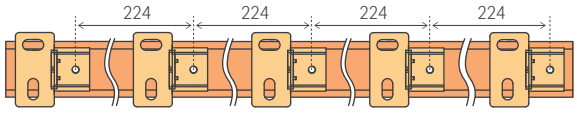
Caution:

Do not bend bendable rail before inserting adjustable bracket.
Otherwise, it is difficult to insert and may cause adjustable bracket to fall off.
Make sure to firmly fasten screw for angle and joint screw to avoid falling off and misalignment.

Tighten the screw indicated by the arrow from the underside of adjustable bracket to fix adjustable bracket to bendable rail.

Adjustable bracket, bendable rail seen from below





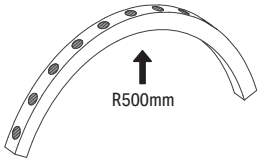
Example: When LED fixture L = 1000 and rail L = 926

Caution:

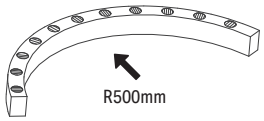
LED fixture and parts have bending tolerances.
Do not bend and install the LED fixture less than the following minimum bending radius as it will cause damage and malfunctions.

LED fixture

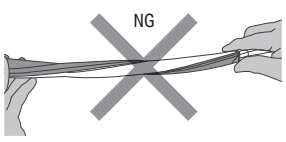
Top bend: min. R 500mm



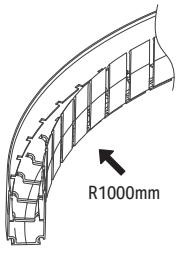
Side bend: min. R 500mm



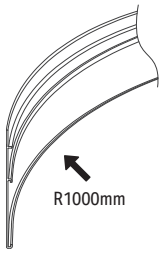
Twist



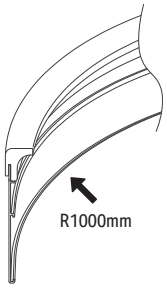
Bendable rail



Glare cut shield

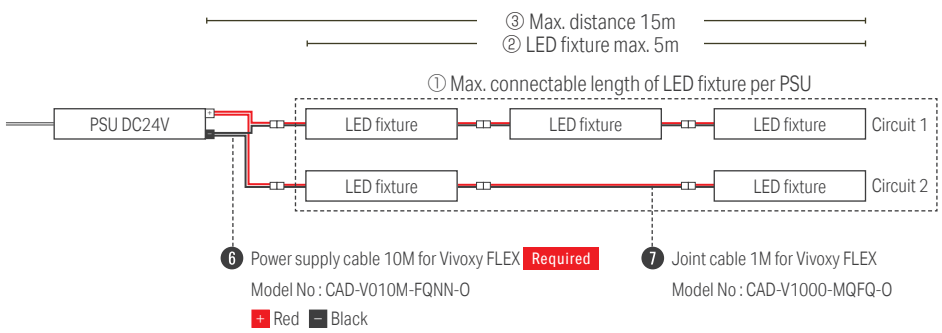


Glare cut shield with silicone



Luci Vivoxy FLEX IP67

System configuration diagram



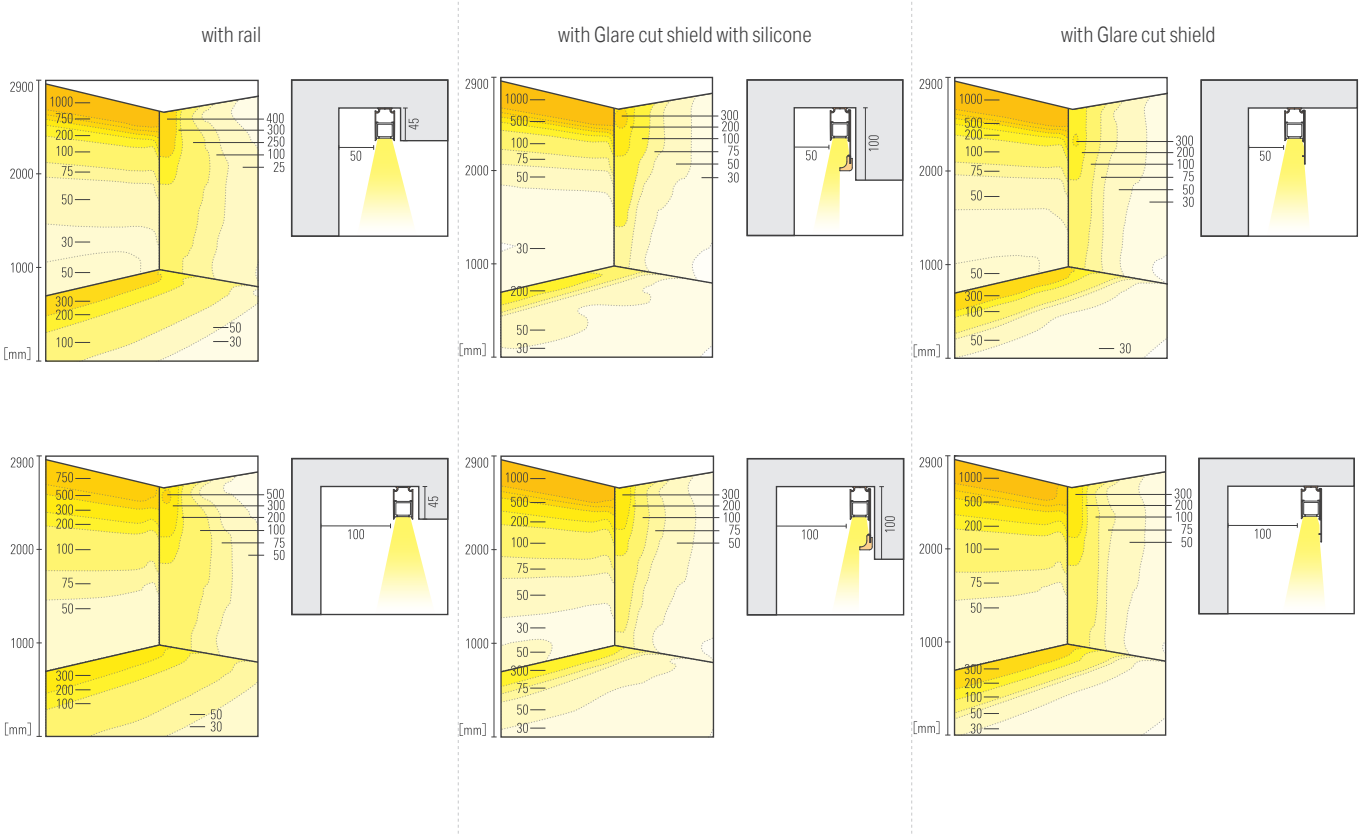
① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Illumination distributions reference

LVF40-1000W-L30-SP2-O-24-*

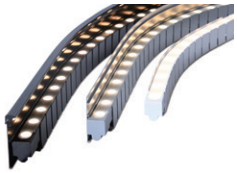


Photometric data

CCT code	Value	24 W/m								
		SP2 (22°×35°)			35 (35°)			50 (50°)		
		With rail	With glarecut shield silicone	With glarecut shield	With rail	With glarecut shield silicone	With glarecut shield	With rail	With glarecut shield silicone	With glarecut shield
D	lm/m	1,844	1,558	1,701	1,917	1,622	1,740	1,888	1,674	1,704
	CBCP(cd)	2,603	1,878	2,728	2,556	1,692	2,413	1,245	1,157	1,434
N	lm/m	1,970	1,664	1,817	2,048	1,732	1,858	2,017	1,788	1,821
	CBCP(cd)	2,781	2,007	2,915	2,731	1,807	2,578	1,523	1,236	1,532
W	lm/m	1,587	1,341	1,464	1,651	1,396	1,497	1,626	1,441	1,467
	CBCP(cd)	2,241	1,617	2,348	2,200	1,456	2,077	1,227	996	1,234
WW	lm/m	1,880	1,588	1,734	1,954	1,653	1,773	1,925	1,706	1,737
	CBCP(cd)	2,653	1,915	2,781	2,605	1,724	2,460	1,453	1,179	1,462
L30	lm/m	1,614	1,363	1,488	1,678	1,419	1,522	1,652	1,465	1,491
	CBCP(cd)	2,278	1,644	2,387	2,236	1,480	2,112	1,247	1,012	1,255
L27	lm/m	1,605	1,356	1,481	1,669	1,412	1,514	1,644	1,457	1,484
	CBCP(cd)	2,266	1,635	2,375	2,225	1,473	2,101	1,240	1,007	1,248
L22	lm/m	1,563	1,320	1,442	1,625	1,374	1,474	1,600	1,419	1,444
	CBCP(cd)	2,206	1,592	2,312	2,166	1,434	2,045	1,208	980	1,215

Note: The estimated value of 16 W/m is 67% of 24 W/m.

Illuminance data

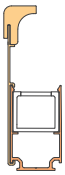


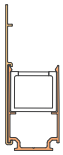
LVF40
Luci Vivoxy FLEX

Color temparature

6500K 5000K 4200K 3500K 3000K 2700K 2200K

with rail

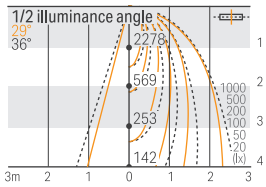

with Glare cut shield with silicone


with Glare cut shield

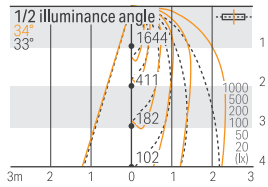
24W

LVF40-1000W-L30-SP2-O-24-W

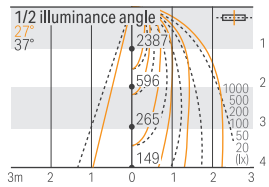
Light source color	3000 K
Brightness	2278 cd
Luminous flux	1614 lm
Color rendering index	Ra 92



3000 K
1644 cd
1363 lm
Ra 92

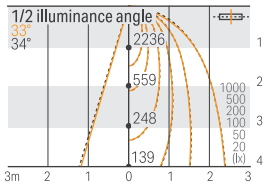


3000 K
2387 cd
1489 lm
Ra 92

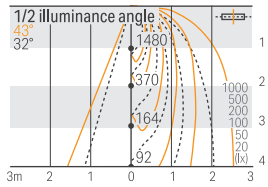


LVF40-1000W-L30-35-O-24-W

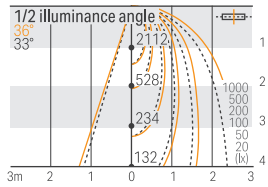
Light source color	3000 K
Brightness	2236 cd
Luminous flux	1678 lm
Color rendering index	Ra 92



3000 K
1480 cd
1419 lm
Ra 92

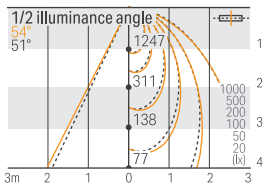


3000 K
2112 cd
1523 lm
Ra 92

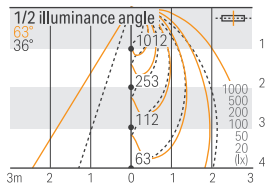


LVF40-1000W-L30-50-O-24-W

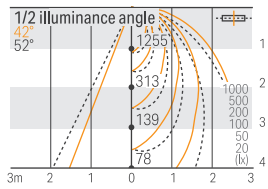
Light source color	3000 K
Brightness	1247 cd
Luminous flux	1653 lm
Color rendering index	Ra 92



3000 K
1012 cd
1465 lm
Ra 92



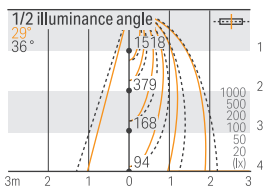
3000 K
1255 cd
1492 lm
Ra 92



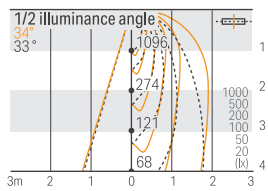
16W

LVF40-1000W-L30-SP2-O-16-W

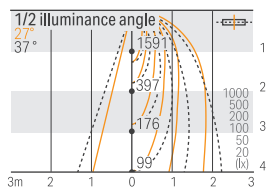
Light source color	3000 K
Brightness	1518 cd
Luminous flux	1076 lm
Color rendering index	Ra 92



3000 K
1096 cd
1364 lm
Ra 92

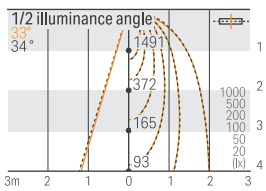


3000 K
1591 cd
993 lm
Ra 92

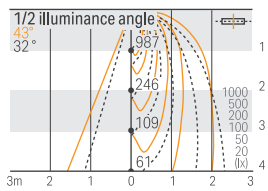


LVF40-1000W-L30-35-O-16-W

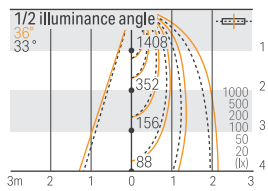
Light source color	3000 K
Brightness	1491 cd
Luminous flux	1119 lm
Color rendering index	Ra 92



3000 K
987 cd
946 lm
Ra 92

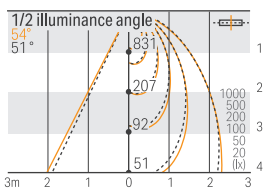


3000 K
1408 cd
1015 lm
Ra 92

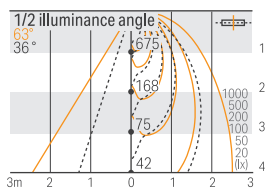


LVF40-1000W-L30-50-O-16-W

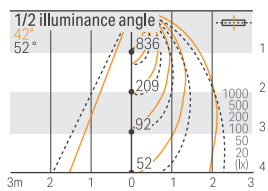
Light source color	3000 K
Brightness	831 cd
Luminous flux	1102 lm
Color rendering index	Ra 92



3000 K
675 cd
977 lm
Ra 92

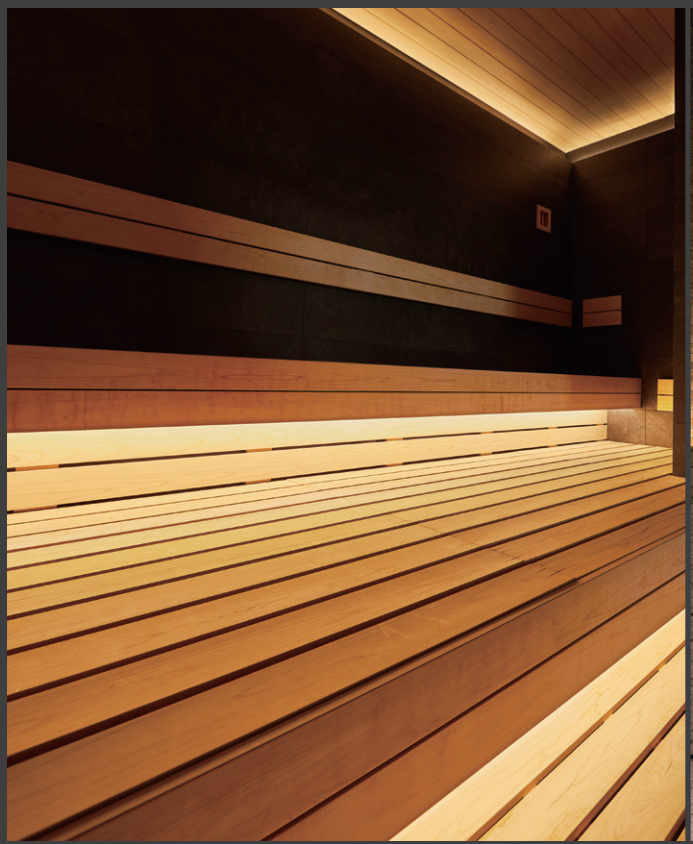


3000 K
836 cd
995 lm
Ra 92



LFUS NEW

Karumaru Ikebukuro
Location: Japan
Archilecl office: Hashimoto Yukio Design Studio Inc.
Lighting design: Illumination of City Environment,Ltd.
Photo: Nacasa & Partners Inc.

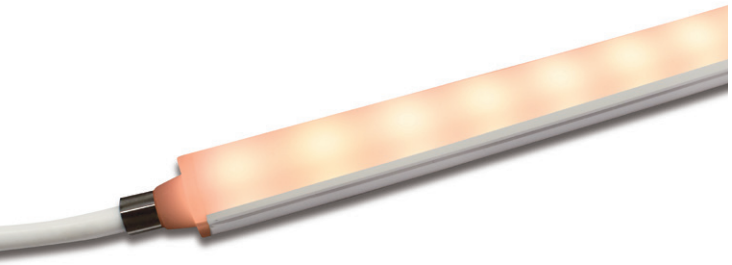


Tokyo Bay Shiomi Prince Hotel Sauna aria
Location: Japan
Architect office: Kume Sekkei Co., Ltd.
Lighting design: Noosa Design Co.Ltd

Construction: Fujita Corporation
Sauna design/Construction: THERMARIVM
Photo: Yasuyuki Akiba

TRUSCO Resort Spa Karuizawa
Location: Japan
Architect office: NIKKEN SEKKEI LTD

Construction: KAJIMA CORPORATION
Sauna Construction: AQUA ENTERPRISE
Photo : Masao Suzuki, Studio Riki



Luci UQ FLEX SAUNA

Pioneer of SAUNA linear LED lighting
Designed to withstand high temperatures and high humidity environments
Creates a unique and cosy lighting design in sauna
keeping privacy with indirect lighting at foot area

Specifications

Dimensions

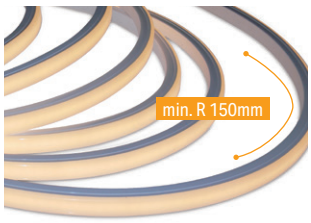
Cross section	W 16 x H 15 mm
Standard length	On stock
	Both sides feed cable with IP67 connector
	1000 / 500 / 250
Custom length	MOQ 10m
	Both sides feed or one side feed with IP67 connector
	Up to 5 m in 250 mm increment

Color temperature

2700K Delivered CCT: 2500K

Min Bending radius

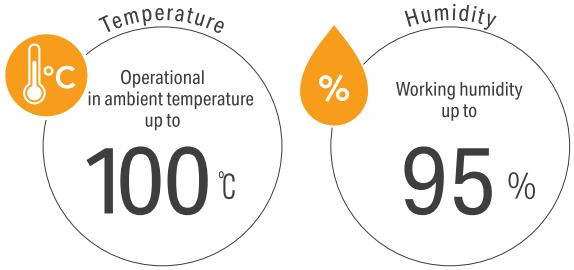
R 150mm in top bend (vertical direction)



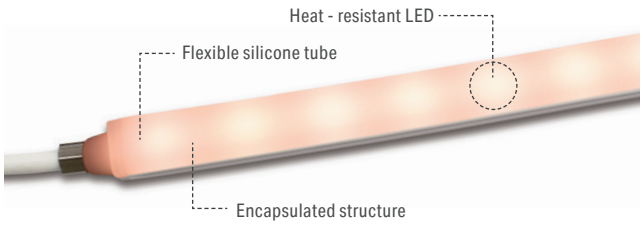
Electrical & Output

Power Consumption (W/m)	5.1
Luminous flux @ 2700K (lm/m)	234

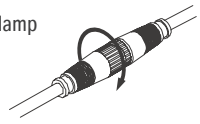
Features



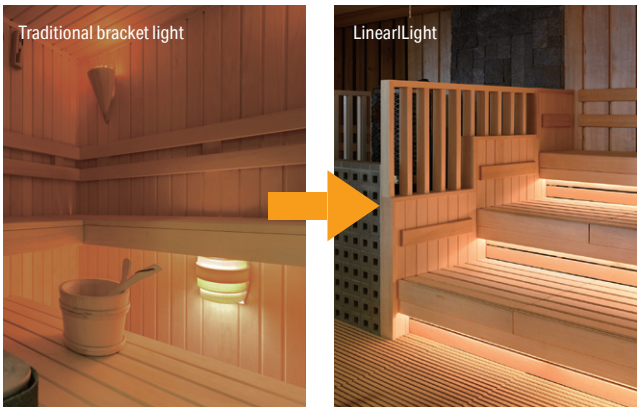
Special material for high temperature and humidity



Simple connection with screw clamp



The benefits of using indirect lighting in sauna room



Sauna&Capsale AMZA / Location:Japan / Photo:Yasutake Kondo

Lower frequency of maintenance!

The lifetime of LED is longer than the krypton lamp, therefore the manpower and cost of maintenance can be decreased.

Comparison of replacement frequency

Krypton lamp once per 2-3 months

UQ FLEX SAUNA once per 1-5 years

with one year warranty

Increased Safety!

The glass cover of krypton lamp might cause injury when broken but silicon-made UQ FLEX SAUNA never hurt you.

about Krypton

*Krypton light is a glass light bulb filled with krypton gas.

Available type of Sauna

- Traditional sauna Finnish sauna
- Steam sauna
- Dry sauna
- Steam bath or Turkish bath
- Infrared therapy sauna
- Hot Yoga studio

*When installing the LED fixture in an extremely high-temperature areas such as a near hot-air outlet or the ceiling, please make sure that the environment temperature does not exceed the fixture specification in advance.

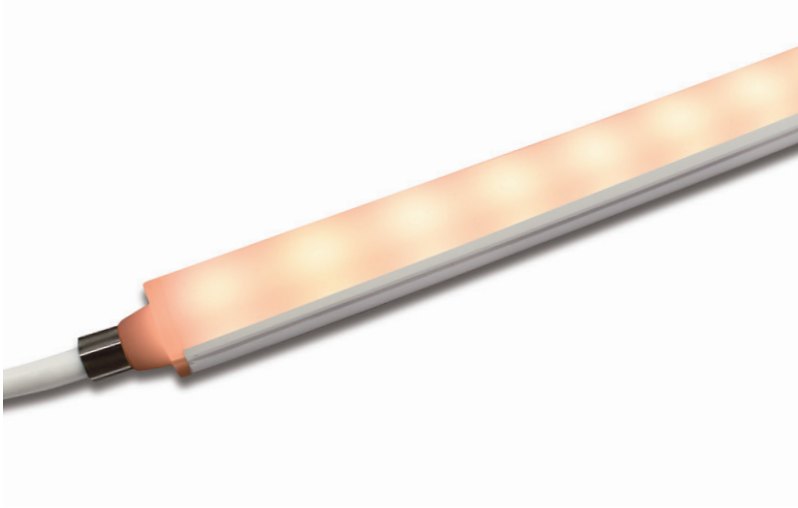
MEGALOS Koiwa / Location: Japan / Lighting design: DAIKO ELECTRIC CO.,LTD. / Photo: Nomura Real Estate Life & Sports Co.,Ltd.

Tokyo Bay Shiomi Prince Hotel Sauna aria

Luci UQ FLEX SAUNA

LFUS NEW

Color management
ANSI BIN



- High-temperature & humidity resistance, IP67
- Covered with silicone, top-bend semi-diffused lighting

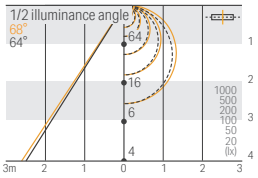
Model No. / Standard item

LFUS - T□□□□ □ S - L27 - DF - O

Product Name	Length	Lead wire	Feed direction	Light source color	Tube type	Environment
LFUS	Custom order length P.175	W : Both ends S : One end	S : Straight	L27 : Warm white 2700K	DF : Diffuser	O : Outdoors

Light Intensity

Refer to P.175



Specification / Standard length

Size L	0250	0500	1000
Model No.	LFUS-T0250WS-L27-DF-O	LFUS-T0500WS-L27-DF-O	LFUS-T1000WS-L27-DF-O
Power consumption	1.3 W	2.6 W	5.1 W
Fitting length Y	290 mm	540 mm	1040 mm
Weight	120g	200g	380g
Luminaire efficacy (2700K)	49.1 lm/W	46.8 lm/W	45.8 lm/W
Light source color	- = N/A, *=Calculated value		
D 7100K	—	—	—
N 5000K	—	—	—
W 4000K	—	—	—
WW 3500K	—	—	—
L30 3000K	—	—	—
L27 2700K Ra 83	◯ 59 lm*	◯ 117 lm	◯ 234 lm*
L24 2400K	—	—	—
L21 2100K	—	—	—
L19 1900K	—	—	—

*Specification may be subject to change without announcement.
The optical data provided on each product pages are for reference only;
the data values are not guaranteed. Please use as reference material for your planning.

General Specification

Input voltage	DC24V
Environment	Indoors, Outdoors
Max. length per circuit	5 m
Min. bending range	R 150 mm
Material (body)	Silicone
Material (clip)	SUS
Material (rail)	Aluminium
Option parts	❶Mounting clip ❷Mounting rail ❸Hold Clip ❹Joint plate ❺Power supply cable ❻Joint cable
Certification	JISC0920, IP67
Ambient temperature	-0℃ ~ +100℃ (Working humidity up to 95%)
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

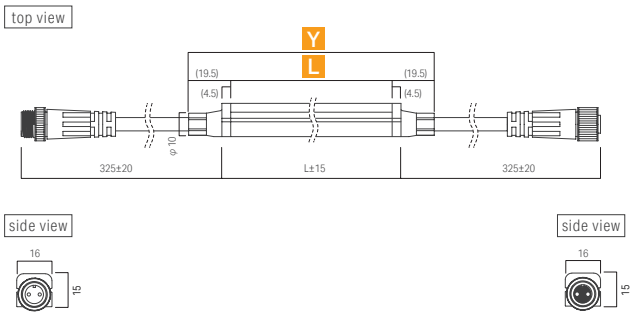
Warranty period: One year *
*If the usage time per day exceeds for more than 20 hours, the warranty period is half of the period mentioned above. For further detail of warranty, please contact Luci sales.

Max. connectable length per power supply

Length of LED fixture (60% loading factor) *: split into multiple circuits	Power supply
~ 6.0 m*	50W power supply
~ 12.0 m*	100W power supply
~ 17.5 m*	150W power supply

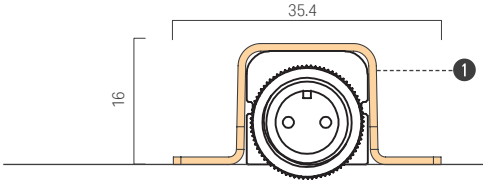
External dimensions

Both ends lead wire

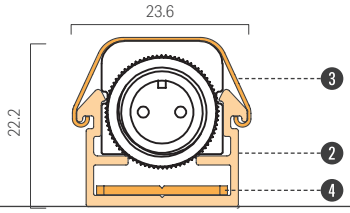


Cross sectional view when installing optional items

Straight installation | Curved installation

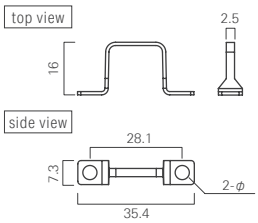


Straight installation



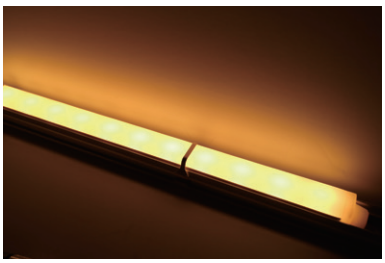
Option parts

❶ SUS Mounting clip for UQ FLEX (5pcs / bag)
Model No : LFU-RC-B
For curved or straight installation

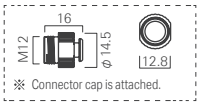


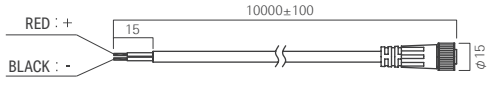
length(mm)	number
L250 or less	2
L260 ~ L500	2
L510 ~ L1000	5
L1100 ~ L2000	10
L2100 ~ L3000	15
L3100 ~ L4000	20
L4100 ~ L5000	25

Any dark spot doesn't appear in indirect light
as the light is diffused by tube
even when using SUS clip or SUS rail clip.

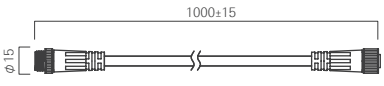


❺ Power supply cable 10M for UQ FLEX Required
Model No : CAD-V010M-FPNN-O
Connector cap (1 pc) is attached
Required for each circuit of LED fixture
* to avoid water intrusion
from the terminal connector of LED fixture

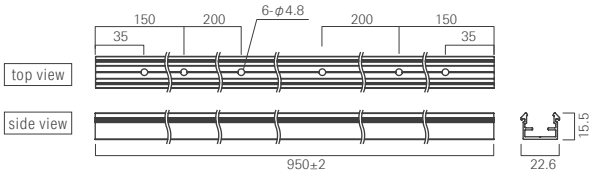




❻ Joint cable 1M for UQ FLEX
Model No : CAD-1000-MPFP-O
For joint two fixtures apart from each other

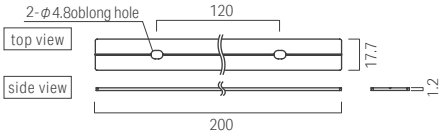


❷ Aluminum mounting rail 950 set for UQ FLEX
Model No : LFU-RL0950-AL-C
❸ SUS hold clip (5pcs) and ❹ Joint plate (1pc) are included



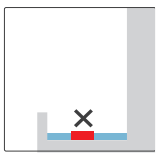
❸ SUS hold Clip for UQ FLEX aluminum rail (5pcs / bag)
Attachment for ❷
Model No : LFU-PT-C
For holding LED fixture in the mounting rail
For extra order, 5pcs / bag

❹ Joint Plate for UQ FLEX aluminum rail (1pc / bag)
Renewal Attachment for ❷
Model No : LFU-PT-E
To joint two ❷ Aluminum mounting rail in straight
For extra order, 1 pc



Prohibited installation places

- pooling water
- liquids including chlorine or chemicals
- coastal areas which are affected by sea spray
- where sulfide gas is contained in the air such as hot spring



Caution
Do not cut the LED fixture and the lead wire
of outdoor product at a job site.
Please do appropriate treatment for the lead wire
and connector of the terminal of outdoor LED fixture.

⚠ Pay attention when use in high temperature environment

Since the parts are made of metal, there is a risk of burning injury by touching directly in a high-temperature environment. Please install the parts in a place where not being touched directly. In case of maintenance or replacement of the LED fixtures, make sure that the surrounding temperature and parts are not hot, and then perform the work.

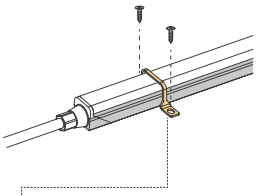
Please make sure to install the power supply in an appropriate environment according to the instruction manual of the power supply.

When installing the LED fixture in a high-temperature spot such as a near hot-air outlet or ceiling, please make sure that the environment temperature does not exceed the fixture specification in advance.

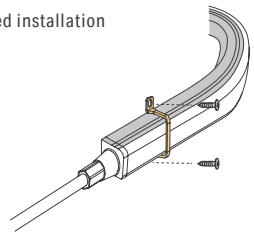
Luci UQ FLEX SAUNA

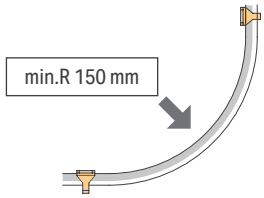
Installing the product

Installation with Mounting clip



Curved installation





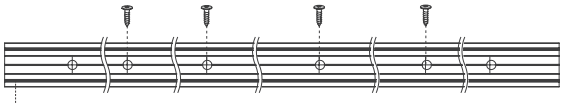
Recommended number
of mounting clip as below.

length(mm)	number
L250 or less	2
L260 ~ L500	2
L510 ~ L1000	5
L1100 ~ L2000	10
L2100 ~ L3000	15
L3100 ~ L4000	20
L4100 ~ L5000	25

❶ SUS Mounting clip for UQ FLEX (5pcs / bag)
Model No : LFU-RC-B

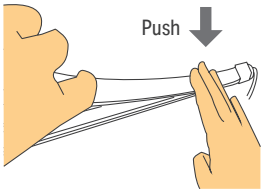
Fix the mounting clip by 2 pcs of screws supplied by installer
(Pan head screw M4 recommended).

Installation with Mounting rail



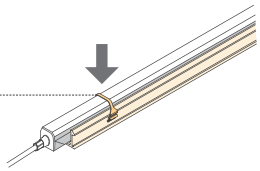
❷ Aluminum mounting rail 950 for UQ FLEX
Model No : LFU-RL0950-AL-C

① Fix the aluminum rail by screws supplied by installer
(Pan head screw M4 recommended).

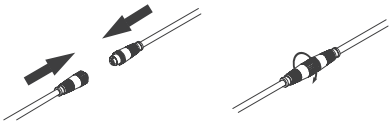


② Hold one side of the LED fixture
and push on the other side,
the LED fixture will gradually
enter the aluminum rail.

❸ SUS hold Clip for UQ FLEX aluminum rail (5pcs / bag)
Attachment for ❷
Model No : LFU-PT-C



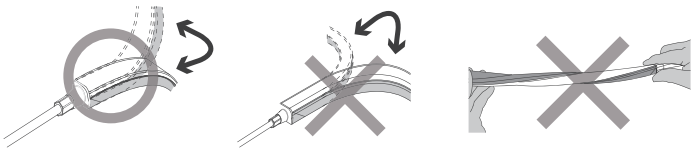
③ Push the SUS hold clip (LFU-PT-C)
until click sound and make sure
it is securely locked. SUS hold clip
is recommended in the environment
where requires durability.



④ Ensure the pinholes in the connectors are
positioned
correctly before joining them.
To fasten, rotate the metallic knobs until tightened.

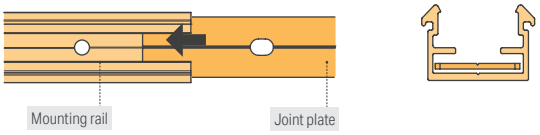
Caution

Caution: Do not bend the LED fixture to side direction against light-emitting surface and twist. If it is bent wrongly, FPC will be damaged and the LED fixture will not turn on.

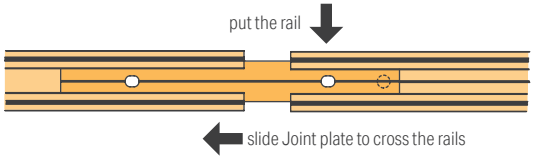


Installation with mounting rail (When the length of the LED fixture is longer than 1m)

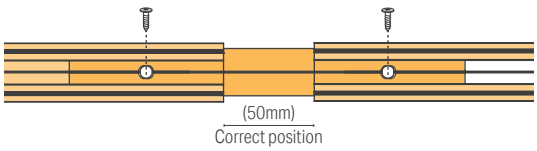
① When two or more rails are installed in a straight line,
insert the Joint plate into bottom of the rail.



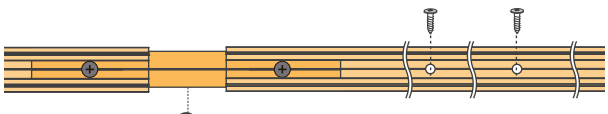
② Put the second rail and slide the Joint plate as below.



③ Fix the holes of rails and plate altogether by screws.



④ Fix the holes of second rail for installation like ①...

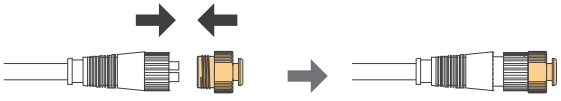


❹ Joint plate for UQ FLEX AL rail C
Attachment for ❷
Model No : LFU-PT-E

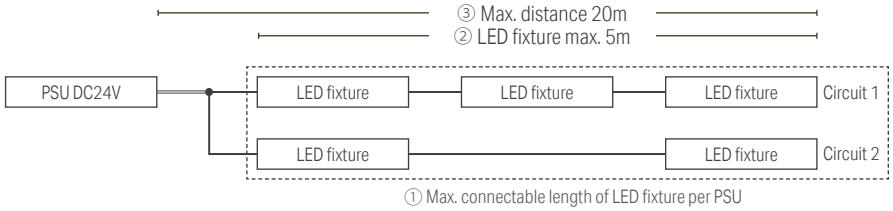
Caution When inserting the LED fixture into the rail, do not press with excessive force, and exercise caution not to damage the LEDs, electronic components, board, and other parts with your fingers or a tool. There are high risk of LED unlighted, wire breakage and other failure occurring due to above improper handling.

Caution

The unenclosed connector at the terminal of UQ FLEX must be sealed with connector cap which is enveloped in the power supply cable(CAD-V010M-FPNN-O). To fasten, rotate the metalic knobs until tightend.



System configuration diagram



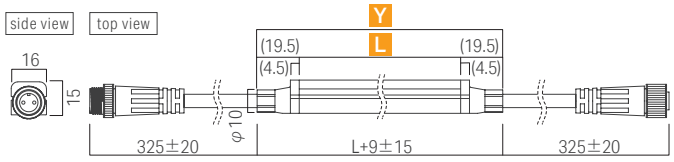
① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

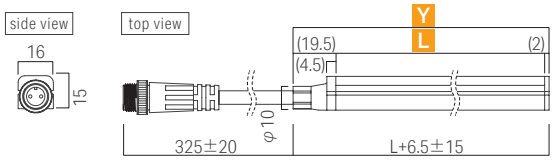
③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

External dimensions / Custom order MOQ : 10 m

Luci UQ FLEX SAUNA / W Both ends lead wire



Luci UQ FLEX SAUNA / S One end lead wire



L Y as below 'Custom order product size'

Custom order products size

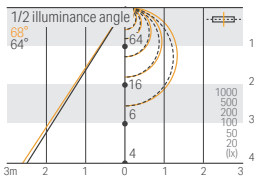
L Length	Y External size (mm)		Power consumption (W)
	Both ends lead wire (WS)	One end lead wire (SS)	
0250	290	272	1.3
0500	540	522	2.6
0750	790	772	3.9
1000	1040	1022	5.1
1250	1290	1272	6.4
1500	1540	1522	7.7
1750	1790	1772	9.0
2000	2040	2022	10.2
2250	2290	2272	11.5
2500	2540	2522	12.8

L Length	Y External size (mm)		Power consumption (W)
	Both ends lead wire (WS)	One end lead wire (SS)	
2750	2790	2772	14.1
3000	3040	3022	15.3
3250	3290	3272	16.6
3500	3540	3522	17.9
3750	3790	3772	19.1
4000	4040	4022	20.4
4250	4290	4272	21.7
4500	4540	4522	23.0
4750	4790	4772	24.2
5000	5040	5022	25.5

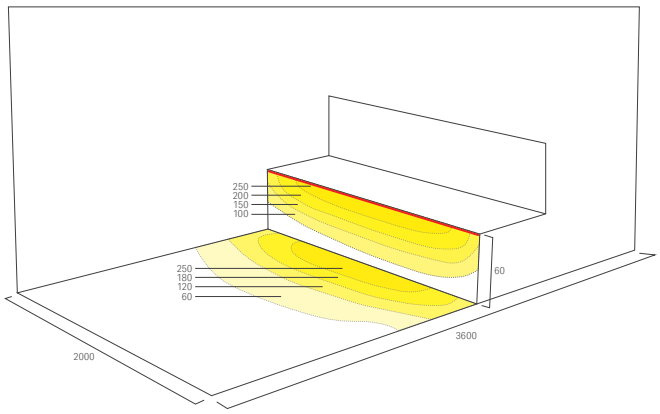
Direct horizontal surface light intensity distribution chart

LFUS-T1000□S-L27-DF-O

Light source color	2700K
Brightness	64 cd
Luminous flux	234 lm
Color rendering index	Ra 83



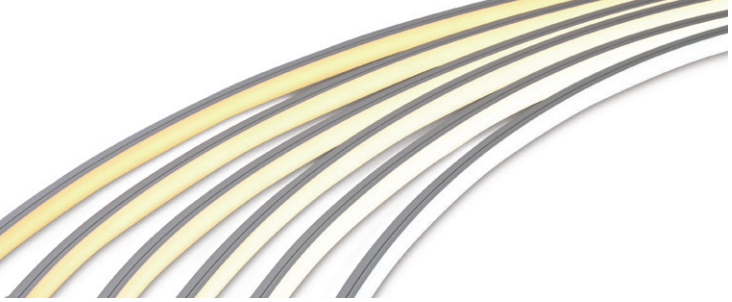
Recommended dimensions and illumination distribution



LFU-O RENEWAL / LFUA-O NEW

Brewerkz Orchard Rendezvous Hotel

The Prince Gallery Tokyo Kioicho
Location: Japan
Architect Office: Nikken Sekkei Ltd
Interior Design: Rockwell Group, Europe
Lighting Design: Lighting Planners Associates
Construction: KAJIMA CORPORATION / TEKKEN CORPORATION / Kumagai Gumi Co.,Ltd. Consortium
Photo: TOSHIO KANEKO



Luci UQ FLEX IP67 / Luci UQ FLEX α IP67

Homogenius flexible light in top bend or side bend.
Ideal for facade, landscape lighting with connectable 10m length per run.

Specifications

Dimensions

Cross section W 16 x H 15 mm
Custom order up to 2m at every 100 mm length with both ends or one end feed cable

Up to 2 m in 100 mm increment

Feed cables are available in three directions: straight, side or back.

Do not allow to cut the LED fixture and cable at site.

Color temperature

6500K | 5300K | 4200K | 3500K | 3000K | 2700K | 2400K | 2100K | 1900K

Ra 90

Please refer to the product specification page for the delivered CCT.

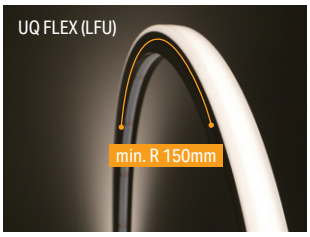
Electrical & Output

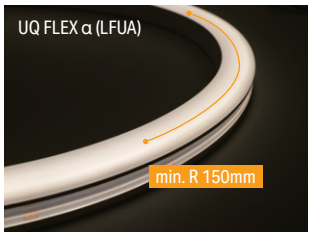
Model		15	12	8
Power Consumption (W/m)		15.8	12.6	8.4
Luminous flux @ 3000K (lm/m)				
UQ FLEX IP67(LFU-O)	Top bend	803	640	427
UQ FLEX α IP67(LFUA-O)	Side bend	592	472	315

Optics

- Unique rounded corner light emitting surface for wide light distribution for less unpleasant peaks on the illuminated surface
- Cross-sectional size common to LFU-I and LFUA-I

Min Bending radius





Features

Cable feed directions

Back feed

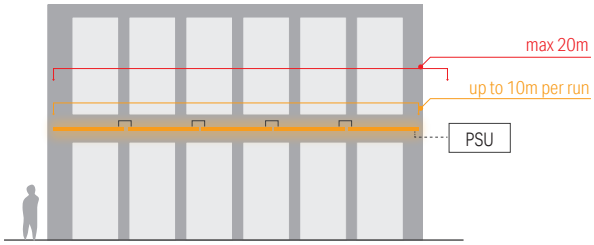
For direct view
Required a hole/depth for cable on installation surface.

Side(Right) feed

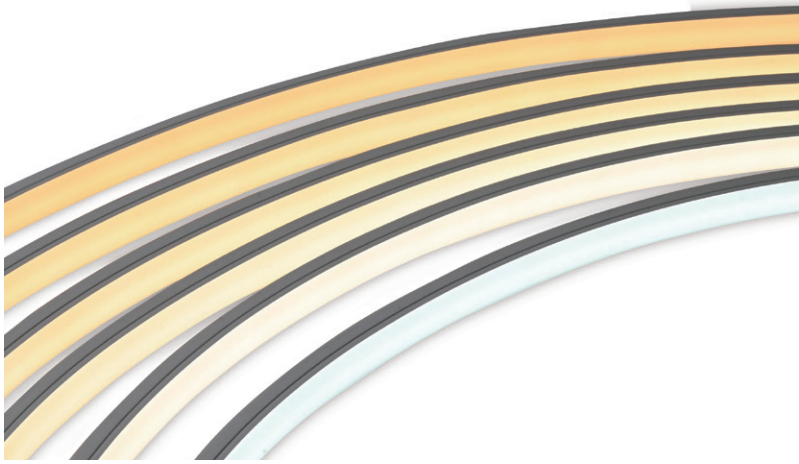
For indirect cove

Straight feed

Connectable up to 10m of luminaire per run thanks to the IC driver in each unit.
Less concern of PSU location!



LFU-O RENEWAL



Color management
MacAdam 3 step

CE

- Top bend dot-free flexible strip
- IP67, max custom length 2m for outdoor usage, up to 10m per run
- 15.8W/m, 12W/m, 8W/m type
- Newly avairable back feed

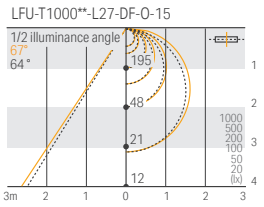
Model No.

LFU - T□□□□ □ □ - □ - DF - O - □

Product Name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFU	Refer to Custom order length	W: Bothends S : One end	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K L19 : Warm white 1900K	DF : Diffuser	O : Outdoor	15 : 15.8 W/m 12 : 12.6 Wm 8 : 8.4 W/m

Lead wire
B : Back feed
R : Side(Right) feed
S : Straight feed

Light Intensity Refer to P.186



Specification

Model No.				LFU-T1000S/W B/R/S-□-DF-O-15		LFU-T1000S/W B/R/S-□-DF-O-12		LFU-T1000S/W B/R/S-□-DF-O-8	
Power consumption				15.8 W/m		12.6 W/m		8.4 W/m	
Fitting length(L)				1000mm (Refer to Custom order length)		1000mm (Refer to Custom order length)		1000mm (Refer to Custom order length)	
Weight				-		-		-	
Luminaire efficacy(2700K)				50.8 lm/W		50.8 lm/W		50.8 lm/W	
Light source color			Delivered CCT	○ = Device inventory	* = Equivalent	✳ = Please contact us since it is made-to-order products and has MOQ.			
D	6500K	Ra92	6000K	937 lm	✳	747 lm	✳	498 lm	✳
N	5300K	-	-	-	✳	-	✳	-	✳
W	4200K	Ra93	4000K	966 lm	○	770 lm	○	513 lm	○
WW	3500K	Ra93	3200K	865 lm	○	689 lm	○	460 lm	○
L30	3000K	Ra94	2700K	803 lm	○	640 lm	○	427 lm	○
L27	2700K	Ra93	2500K	781 lm	○	623 lm	○	415 lm	○
L24	2400K	Ra93	2300K	730 lm	○	582 lm	○	388 lm	○
L21	2100K	-		-	✳	-	✳	-	✳
L19	1900K	-		-	✳	-	✳	-	✳

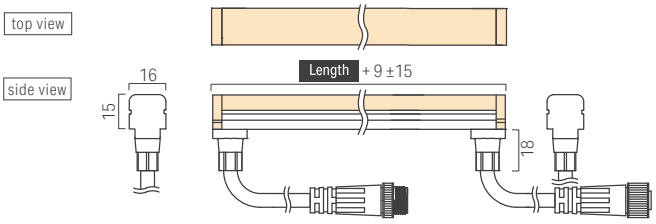
Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

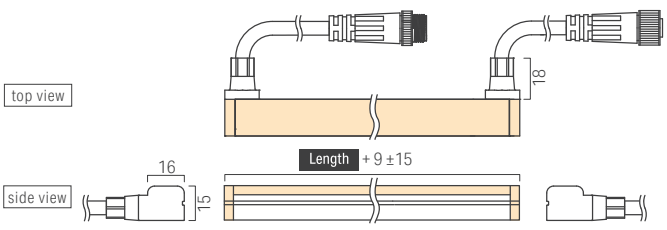
Input voltage	DC24V
Environment	Outdoor IP67, Indoor
Max. length	2m
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicone
Attachments	-
Option parts	❶ Mounting rail set ❷ Mounting parts set ❸ Mounting Clip ❹ Power supply cable ❺ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

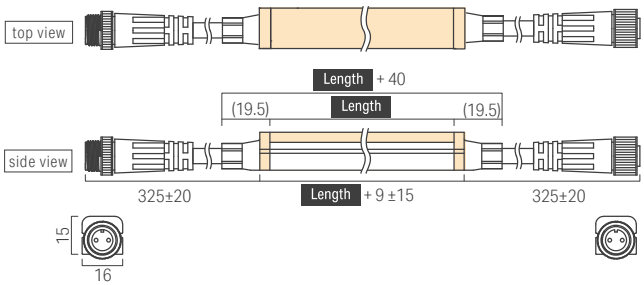
W: Both ends lead, B: Back feed



W: Both ends lead, R: Side(Right) feed

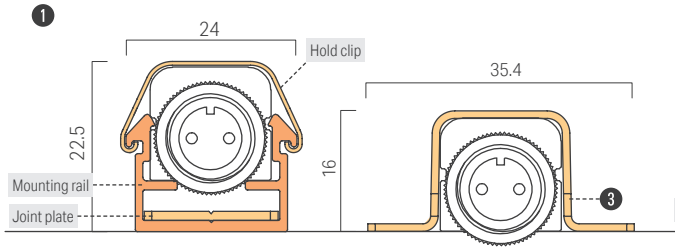


W: Both ends lead, S: Straight feed

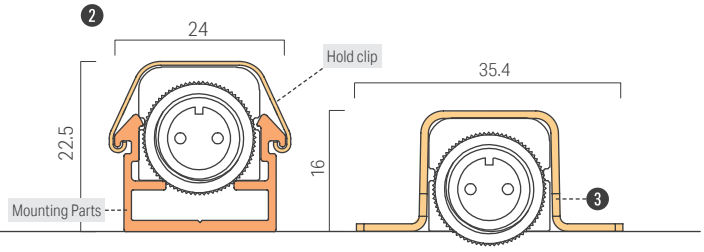


Cross sectional view when installing optional items

Straight installation



Curved installation



Option parts

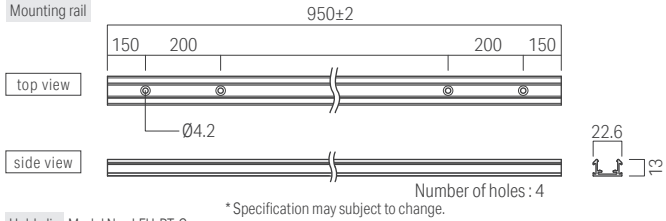
1 Aluminum mounting rail 950 set for UQ FLEX

Model No : LFU-RL0950-AL-C

The set includes Mounting rail (1pc) and PC Hold clip (5 pcs/bag) and Joint plate (1pc)

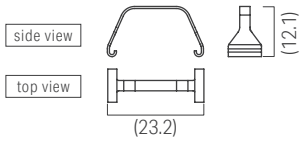
For straight installation
*When back feed, need a hole for endcap on installation surface.

Mounting rail

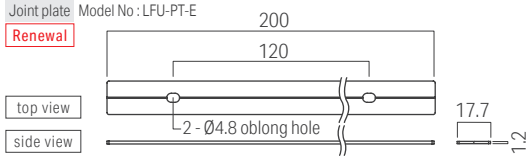


* Specification may subject to change.

Hold clip Model No : LFU-PT-C



Joint plate Model No : LFU-PT-E
Renewal



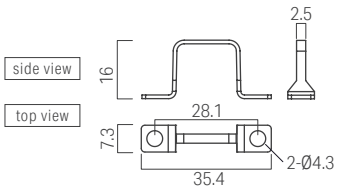
3 SUS Mounting clip for UQ FLEX

Model No : LFU-RC-B

5 pcs/bag

Recommended 5 pcs/m

For curved installation
*When back feed, need a hole for endcap on installation surface.



2 Aluminum mounting parts set for UQ FLEX New

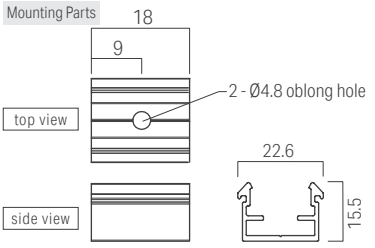
Model No : LFU-RL0018-AL-C

The set include Mounting parts (5 pcs/bag) and PC Hold clip (5 pcs/bag)

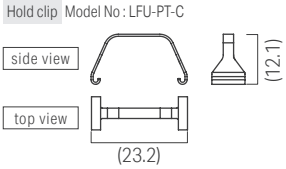
Recommended each 5 pcs/m

For curved installation
*When back feed, need a hole for endcap on installation surface.

Mounting Parts

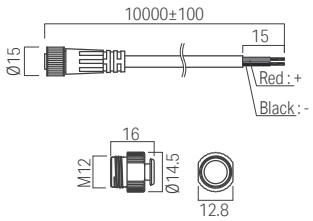


Hold clip Model No : LFU-PT-C



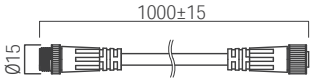
4 Power supply cable 10M for UQ FLEX Required

Model No : CAD-V010M-FPNN-O



5 Joint cable 1M for UQ FLEX

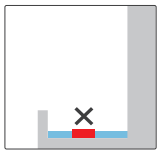
Model No : CAD-1000-MPFP-O



Prohibited installation places

Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

- pooling water
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



Luci UQ FLEX IP67 (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to **Length** of Model No. and External dimensions

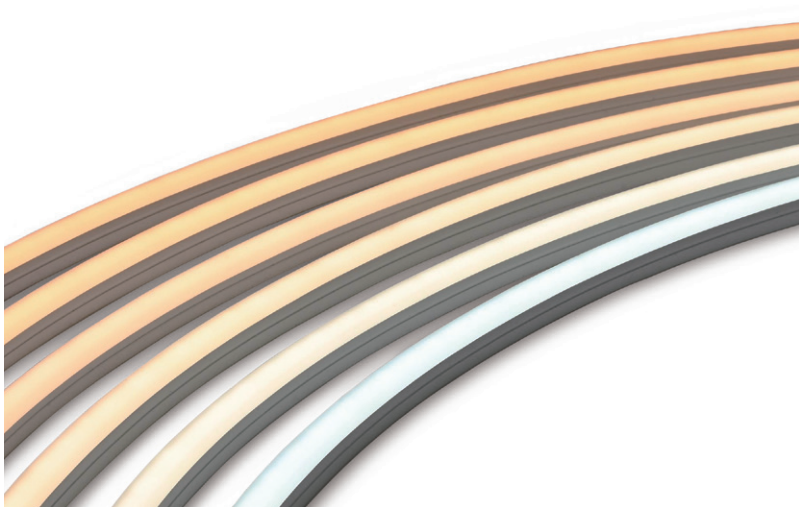
0100	0300	0500	0700	0900	1100	1300	1500	1700	1900
0200	0400	0600	0800	1000	1200	1400	1600	1800	2000

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
15.8W/m	12.6W/m	8.4W/m	
~2.2m	~2.9m	~4.3m	50W power supply
~4.4m	~5.8m	~8.7m	100W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

Luci UQ FLEX IP67/ Luci UQ FLEX α IP67

LFUA-O NEW



Color management
MacAdam 3 step

CE

- Side bend dot-free flexible strip
- IP67, max custom length 2m for outdoor usage, up to 10m per run
- 15.8W/m, 12W/m, 8W/m type

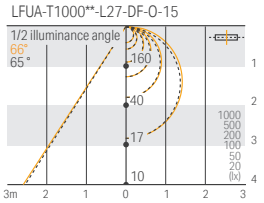
Model No.

LFUA - T□□□□ □ □ - □ - DF - O - □

Product Name	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFUA	Refer to Custom order length	W: Bothends S : One end	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K L19 : Warm white 1900K	DF : Diffuser	O : Outdoor	15 : 15.8 W/m 12 : 12.6 Wm 8 : 8.4 W/m

Lead wire
B : Back feed
R : Side(Right) feed
S : Straight feed

Light Intensity Refer to P.187



Specification

Model No.				LFUA-T1000S/W B/R/S-□-DF-O-15	LFUA-T1000S/W B/R/S-□-DF-O-12	LFUA-T1000S/W B/R/S-□-DF-O-8
Power consumption				15.8 W/m	12.6 W/m	8.4 W/m
Fitting length(L)				1000mm (Refer to Custom order length)	1000mm (Refer to Custom order length)	1000mm (Refer to Custom order length)
Weight				-	-	-
Luminaire efficacy(2700K)				37.5 lm/W	37.5 lm/W	37.5 lm/W
Light source color			Delivered CCT	○ = Device inventory * = Equivalent ✳ = Please contact us since it is made-to-order products and has MOQ.		
D	6500K	Ra92	6000K	656 lm ✳	523 lm ✳	349 lm ✳
N	5300K	-	-	- ✳	- ✳	- ✳
W	4200K	Ra93	4000K	656 lm ○	531 lm ○	354 lm ○
WW	3500K	Ra93	3200K	603 lm ○	481 lm ○	320 lm ○
L30	3000K	Ra94	2700K	592 lm ○	472 lm ○	315 lm ○
L27	2700K	Ra93	2500K	547 lm ○	436 lm ○	291 lm ○
L24	2400K	Ra93	2300K	514 lm ○	410 lm ○	273 lm ○
L21	2100K	-		- ✳	- ✳	- ✳
L19	1900K	-		- ✳	- ✳	- ✳

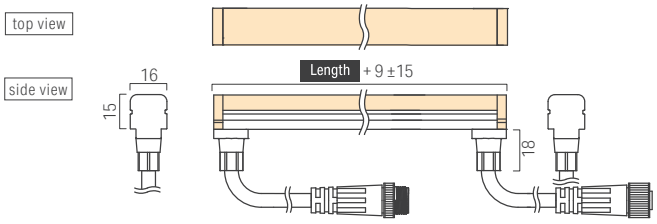
Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

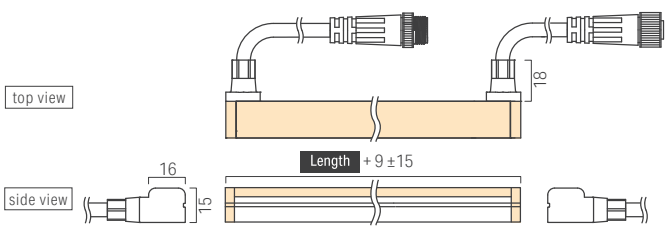
Input voltage	DC24V
Environment	Outdoor IP67, Indoor
Max. length	2m
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicone
Attachments	-
Option parts	❶ Mounting rail set ❷ Mounting parts set ❸ Mounting Clip ❹ Power supply cable ❺ Joint cable
Certification	CE
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

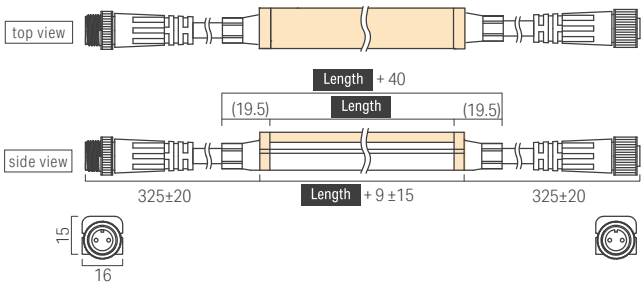
W: Both ends lead, B: Back feed



W: Both ends lead, R: Side(Right) feed

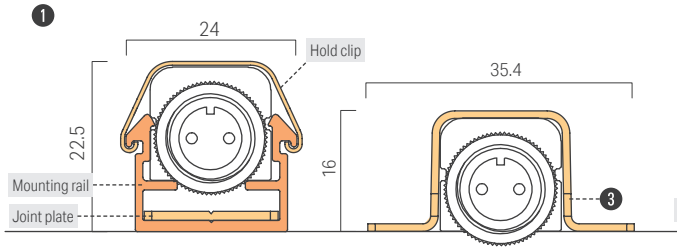


W: Both ends lead, S: Straight feed

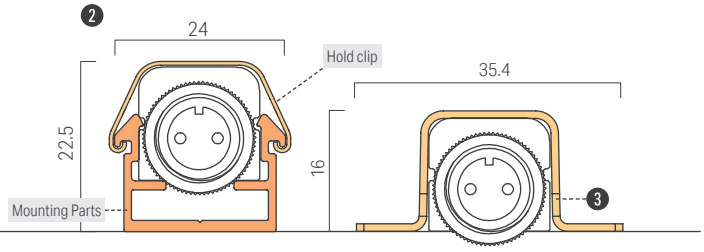


Cross sectional view when installing optional items

Straight installation



Curved installation



Option parts

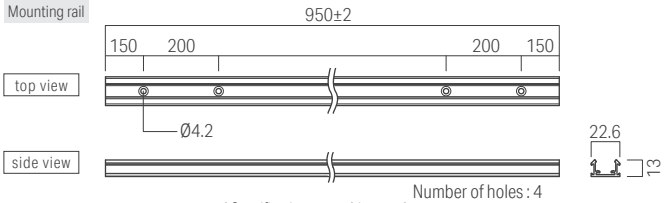
1 Aluminum mounting rail 950 set for UQ FLEX

Model No : LFU-RL0950-AL-C

The set includes Mounting rail (1pc) and PC Hold clip (5 pcs/bag) and Joint plate (1pc)

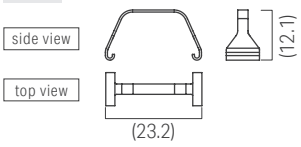
For straight installation
*When back feed, need a hole for endcap on installation surface.

Mounting rail

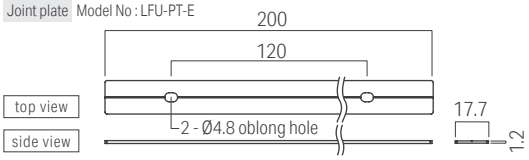


* Specification may subject to change.

Hold clip Model No : LFU-PT-C



Joint plate Model No : LFU-PT-E



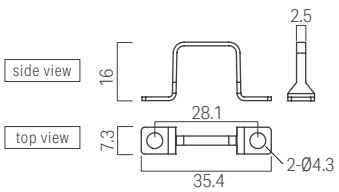
3 SUS Mounting clip for UQ FLEX

Model No : LFU-RC-B

5 pcs/bag

Recommended 5 pcs/m

For curved installation



2 Aluminum mounting parts set for UQ FLEX

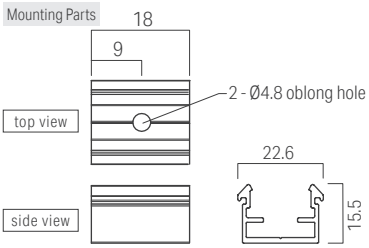
Model No : LFU-RL0018-AL-C

The set include Mounting parts (5 pcs/bag) and PC Hold clip (5 pcs/bag)

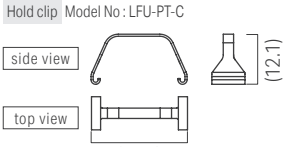
Recommended each 5 pcs/m

For curved installation
*When back feed, need a hole for endcap on installation surface.

Mounting Parts

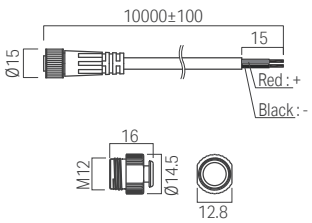


Hold clip Model No : LFU-PT-C



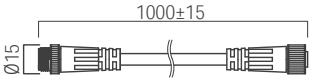
4 Power supply cable 10M for UQ FLEX Required

Model No : CAD-V010M-FPNN-O



5 Joint cable 1M for UQ FLEX

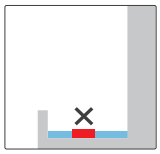
Model No : CAD-1000-MPFP-O



Prohibited installation places

Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

- pooling water
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



Luci UQ FLEX α IP67 (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to **Length** of Model No. and External dimensions

0100	0300	0500	0700	0900	1100	1300	1500	1700	1900
0200	0400	0600	0800	1000	1200	1400	1600	1800	2000

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits			Power supply
15.8W/m	12.6W/m	8.4W/m	
~2.2m	~2.9m	~4.3m	50W power supply
~4.4m	~5.8m	~8.7m	100W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

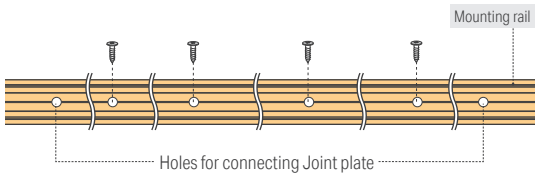
Luci UQ FLEX IP67/ Luci UQ FLEX α IP67

Installing the product

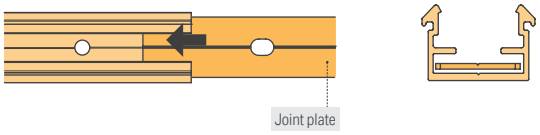
Installation with Mounting rail

❶ Aluminium mounting rail 950 set for UQ FLEX (LFU-RL0950-AL-C)

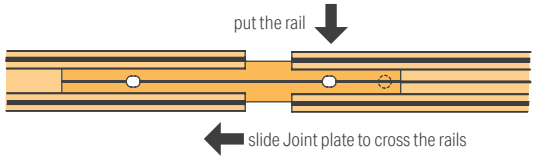
① Fix the alminium rail by screws (pan head screw M4 recommended) supplied by installer. The screw holes at both ends should be left unused for installing with the Joint plate.



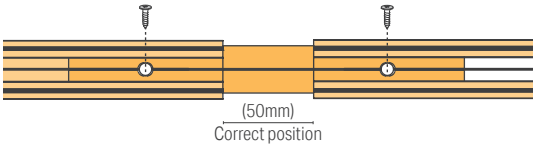
② When two or more rails are installed in a straight line, insert the Joint plate into bottom of the rail.



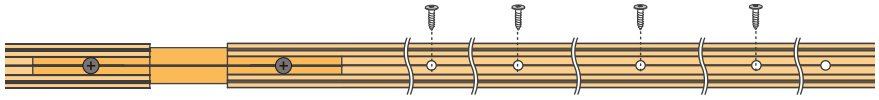
③ Put the second rail and slide the Joint plate as below.



④ Fix the holes of rails and plate altogether by screws.

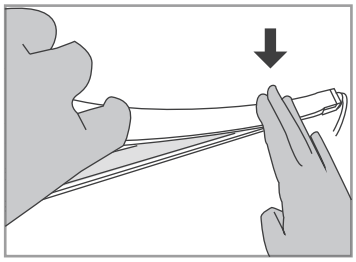


⑤ Fix the holes of second rail for installation like ①...



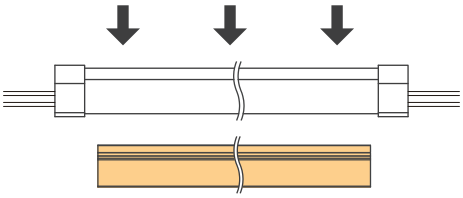
LFU-O Top / Vertical bend only

⑥ Hold one side of the LED fixture and gradually push on the other side into the aluminum rail.

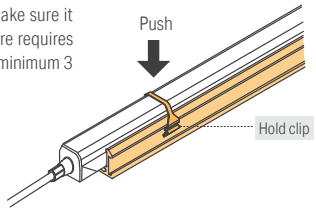


LFUA-O Side / Horizontal bend only

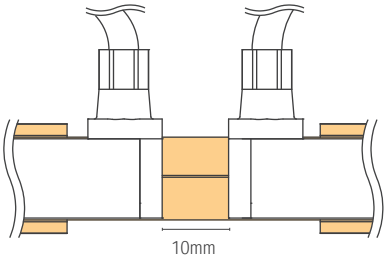
⑥ When installing LFUA (side bend) on the mounting rail, the LED fixture shall first be placed horizontally on the rail and the entire LED fixture shall be pushed gradually horizontally into the rail so that the LED fixture does not bend vertically.



⑦ Push the PC hold clip for UQ FLEX rail (LFU-PT-B) until click sound and make sure it is securely locked. SUS hold clip is recommended in the environment where requires durability or downwards installation. Recommended number of LFU-PT-B is minimum 3 pcs/m.



⑧ Please have 10mm gaps between 2 fittings to absorb the expansion and the contraction of lighting fixture.

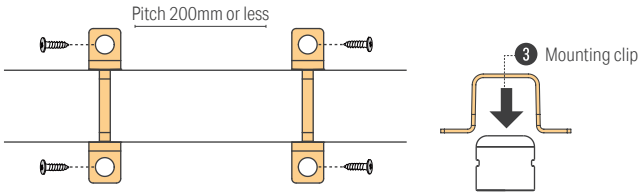


Installation with Mounting clip

❸ PC Mounting clip for UQ FLEX (LFU-RC-B)

① Place the LED fixture on the surface to be installed.
Do not twist and bend the LED fixture in the wrong direction.

② Fix the mounting clip by 2pcs of screws supplied by installer.(pan head screw M4 recommended) The recommended distance between clips is 200 mm or less. The clips at both ends should be 50 mm away from the ends of the LED luminaire to prevent it from lifting.



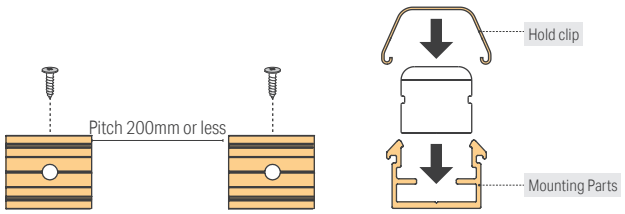
Installation with Mounting parts

❷ AL mounting parts set for UQ FLEX (LFU-RL0018-AL-C)

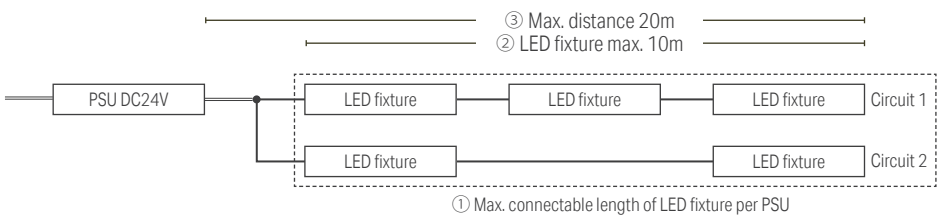
① Fix the aluminum mounting parts by 1 pc of screw to the points where the LED fixture is to be installed. (pan head screw M4 recommended) The recommended distance between clips is 200 mm or less. The mounting parts at both ends should be 50 mm away from the ends of the LED fixture to prevent it from lifting.

② Push the LED fixture into the clip while keeping the correct bending direction.
Caution: Do not bend the LED fixture in the wrong direction.

③ Put the PC hold clip (LFU-PT-B) until click sound and make sure it is securely locked. The hold clips should be used if the LED fixture is easily dislodged or installed downward.



System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits			**Power supply**
15.8W/m	12W/m	8W/m	
～2.2m	～2.9m	～4.3m	50W power supply
～4.4m	～5.8m	～8.7m	100W power supply
～6.6m	～8.7m	～13.1m*	150W power supply

Luci UQ FLEX IP67/ Luci UQ FLEX α IP67

Luci UQ FLEX IP67 -Custom order-

Model No.

LFU - T□□□□ □□ - □ - DF - O - □

Product name

Length

Refer to "Custom order products size"

Lead Wire

- W Both ends lead wire
- S One end lead wire

Lead Wire

- B Back feed
- R Side(Right) feed
- S Straight feed

Light source color

D	Daylightl white	6500K
N	Natural white	5300K
W	White	4200K
WW	Warm white 3500K	3500K
L30	Warm white 3000K	3000K
L27	Warm white 2700K	2700K
L24	Warm white 2400K	2400K
L21	Warm white 2100K	2100K
L19	Warm white 1900K	1900K

Tube type

- DF Diffuser

Environment

- O Outdoor

Wattage

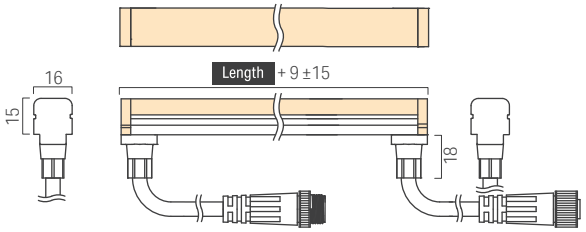
- 15 15.8W
- 12 12.6W
- 8 8.4W

External dimension

Luci UQ FLEX IP67 / W Both ends lead wire, B Back feed

LFU - T□□□□ WB - □ - DF - O - □

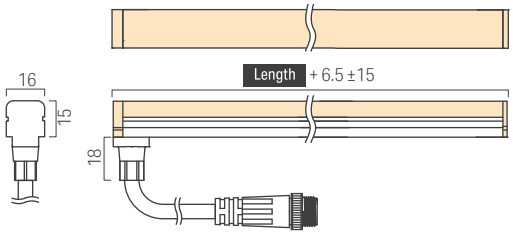
Length / Color / Wattage



Luci UQ FLEX IP67 / S One end lead wire, B Back feed

LFU - T□□□□ SB - □ - DF - O - □

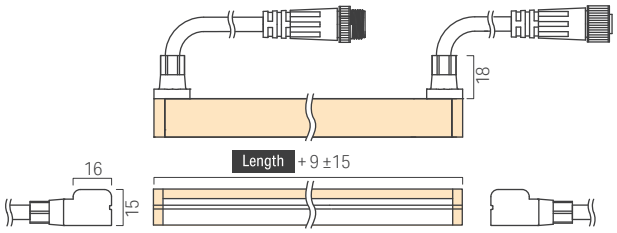
Length / Color / Wattage



Luci UQ FLEX IP67 / W Both ends lead wire, R Side(Right) feed

LFU - T□□□□ WR - □ - DF - O - □

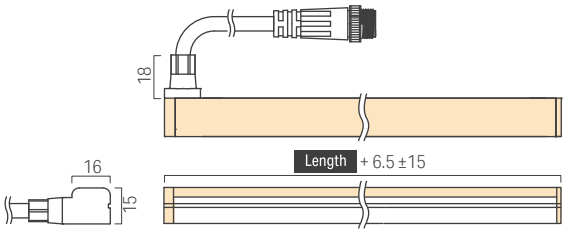
Length / Color / Wattage



Luci UQ FLEX IP67 / S One end lead wire, R Side(Right) feed

LFU - T□□□□ SR - □ - DF - O - □

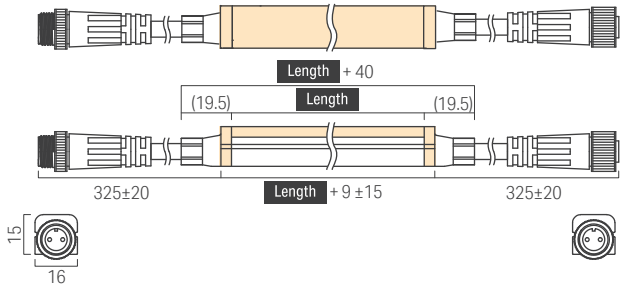
Length / Color / Wattage



Luci UQ FLEX IP67 / W Both ends lead wire, S Straight feed

LFU - T□□□□ WS - □ - DF - O - □

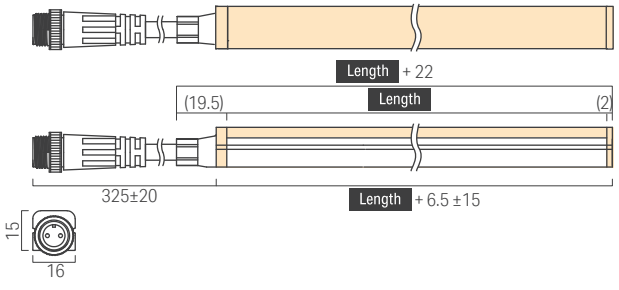
Length / Color / Wattage



Luci UQ FLEX IP67 / S One end lead wire, S Straight feed

LFU - T□□□□ SS - □ - DF - O - □

Length / Color / Wattage



Custom order products size

Luci UQ FLEX IP67 (15.8 W/m, 12.6 W/m, 8.4 W/m)

Corresponds to Length of Model No. and External dimensions

0100	0300	0500	0700	0900	1100	1300	1500	1700	1900
0200	0400	0600	0800	1000	1200	1400	1600	1800	2000

Luci UQ FLEX α IP67 -Custom order-

Model No.

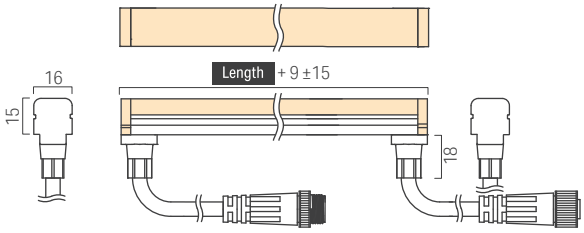
LFUA - T□□□□ □□ - □ - DF - O - □

Product name	Length	Lead Wire	Light source color	Tube type	Environment	Wattage
LFUA	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire **Lead Wire** B Back feed R Side(Right) feed S Straight feed	D Daylightl white 6500K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K L21 Warm white 2100K 2100K L19 Warm white 1900K 1900K	DF Diffuser	O Outdoor	15 15.8W 12 12.6W 8 8.4W

External dimension

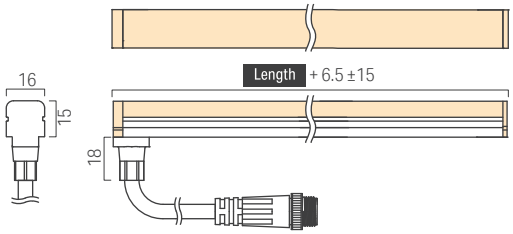
Luci UQ FLEX α IP67 / W Both ends lead wire, B Back feed

LFUA - T□□□□ WB - □ - DF - O - □
(Length / Color / Wattage)



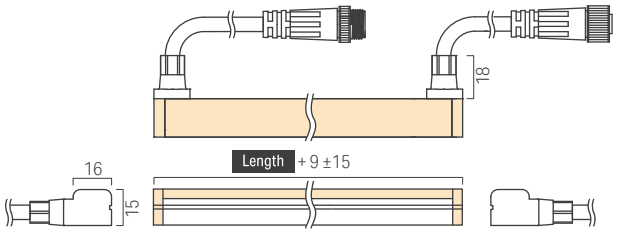
Luci UQ FLEX α IP67 / S One end lead wire, B Back feed

LFUA - T□□□□ SB - □ - DF - O - □
(Length / Color / Wattage)



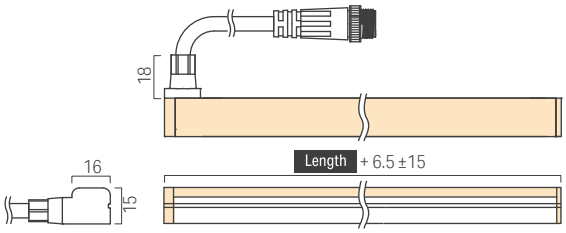
Luci UQ FLEX α IP67 / W Both ends lead wire, R Side(Right) feed

LFUA - T□□□□ WR - □ - DF - O - □
(Length / Color / Wattage)



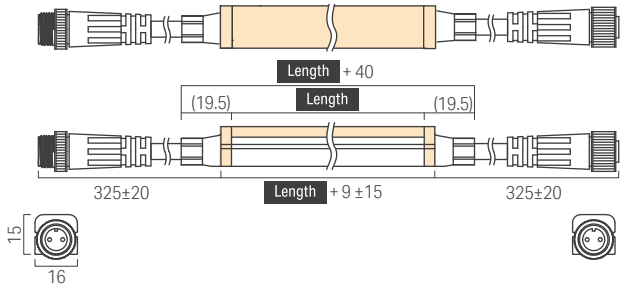
Luci UQ FLEX α IP67 / S One end lead wire, R Side(Right) feed

LFUA - T□□□□ SR - □ - DF - O - □
(Length / Color / Wattage)



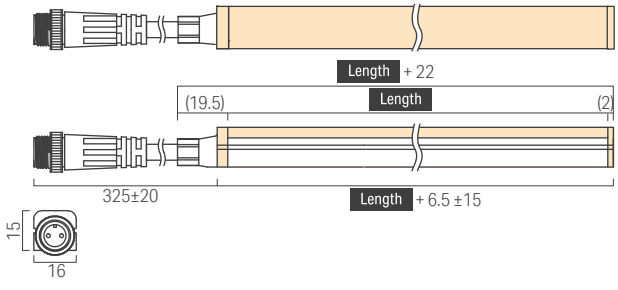
Luci UQ FLEX α IP67 / W Both ends lead wire, S Straight feed

LFUA - T□□□□ WS - □ - DF - O - □
(Length / Color / Wattage)



Luci UQ FLEX α IP67 / S One end lead wire, S Straight feed

LFUA - T□□□□ SS - □ - DF - O - □
(Length / Color / Wattage)



Custom order products size

Luci UQ FLEX α IP67 (15.8 W/m, 12.6 W/m, 8.4 W/m)									
Corresponds to Length of Model No. and External dimensions									
0100	0300	0500	0700	0900	1100	1300	1500	1700	1900
0200	0400	0600	0800	1000	1200	1400	1600	1800	2000

Luci UQ FLEX IP67/ Luci UQ FLEX α IP67

Illuminance data

LFU-O
Luci UQ FLEX IP67

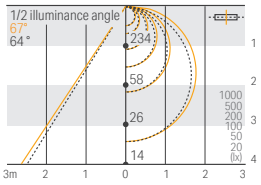
Color temparature

6500K 5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

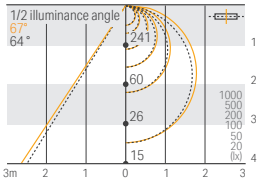
LFU-T1000**-D-DF-O-15

Light source color	6500K
Brightness	234 cd
Luminous flux	937 lm
Color rendering index	Ra 93



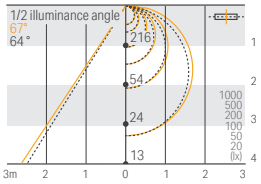
LFU-T1000**-W-DF-O-15

Light source color	4200K
Brightness	241 cd
Luminous flux	966 lm
Color rendering index	Ra 92



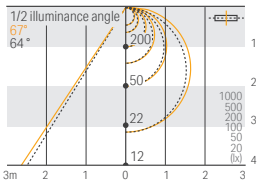
LFU-T1000**-WW-DF-O-15

Light source color	3500K
Brightness	216 cd
Luminous flux	865 lm
Color rendering index	Ra 95



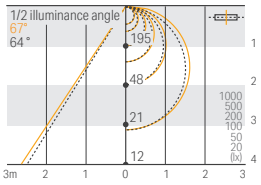
LFU-T1000**-L30-DF-O-15

Light source color	3000K
Brightness	200 cd
Luminous flux	803 lm
Color rendering index	Ra 97



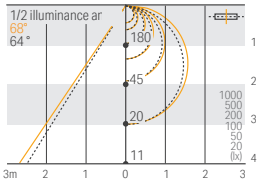
LFU-T1000**-L27-DF-O-15

Light source color	2700K
Brightness	195 cd
Luminous flux	782 lm
Color rendering index	Ra 96



LFU-T1000**-L24-DF-O-15

Light source color	2400K
Brightness	180 cd
Luminous flux	731 lm
Color rendering index	Ra 97



Illuminance data

LFUA-O
Luci UQ FLEX α IP67

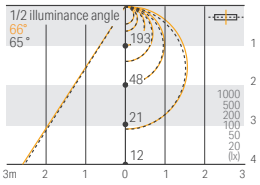
Color temparature

6500K 5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

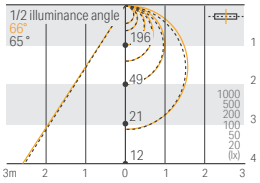
LFUA-T1000**-D-DF-O-15

Light source color	6500K
Brightness	193 cd
Luminous flux	657 lm
Color rendering index	Ra 94



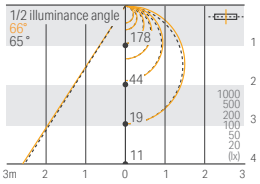
LFUA-T1000**-W-DF-O-15

Light source color	4200K
Brightness	196 cd
Luminous flux	666 lm
Color rendering index	Ra 93



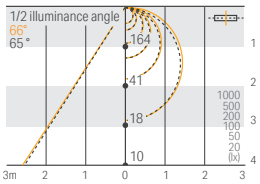
LFUA-T1000**-WW-DF-O-15

Light source color	3500K
Brightness	178 cd
Luminous flux	603 lm
Color rendering index	Ra 96



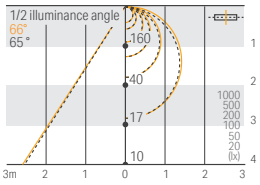
LFUA-T1000**-L30-DF-O-15

Light source color	3000K
Brightness	164 cd
Luminous flux	593 lm
Color rendering index	Ra 97



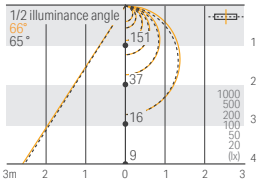
LFUA-T1000**-L27-DF-O-15

Light source color	2700K
Brightness	160 cd
Luminous flux	548 lm
Color rendering index	Ra 97



LFUA-T1000**-L24-DF-O-15

Light source color	2400K
Brightness	151 cd
Luminous flux	514 lm
Color rendering index	Ra 98



LFPEX / LFP / LFTF / LFXF

Luci FLEX IP65 series

3 years warranty

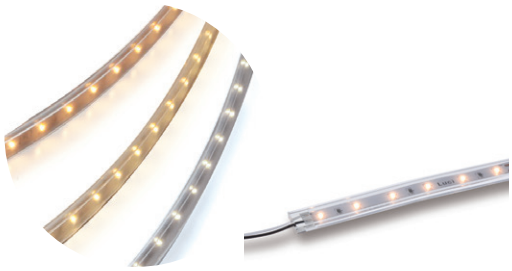
Soft acrylic tube

Good heat dissipation comes the non-fully encapsulated structure.

Special sealing material and treatment with primer strongly fix the tube and cable with high airtightness to prevent water intrusion.

IP65 connector

Top bend



Luci Power FLEX EX IP65

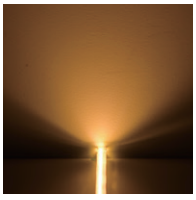
Our next FLEX standard with preferable price
- Renewed to High CRI LED package, >Ra90
- High-energy efficacy achieving up to 92.4lm/W
- 3 steps MacAdam ellipse LED package
- 5 types of wattage and lumen output (18.2W, 12.1W, 9.5W, 6.5W, 4.5W per meter)
- 3 types of LED pitch (15mm, 20mm, 30mm)
- No need to attach aluminum profile for heat sink
- Customized length available up to 3.5m(LFPEX15), 5m(LFPEX20,30) per roll

Luci Power FLEX IP65

- Customized length available (LFP15: up to 4.5m, 30mm increment, LFP20: up to 5m 20mm increment)
- 2 types of wattage (15.4W, 10.5W per meter)
- Ideal for projects that have various length requirement

Luci Flat FLEX F IP65

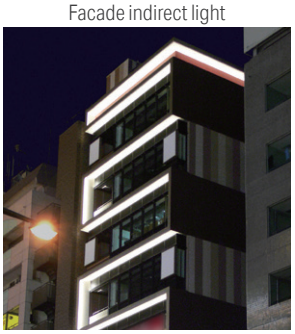
- Narrow LED pitch suitable for limited space installation (10mm pitch, 16mm pitch)
- Small section W10mm * H4mm
- 2 types of wattage (3.9W, 2.5W per meter)
- Customized length available up to 5m per roll



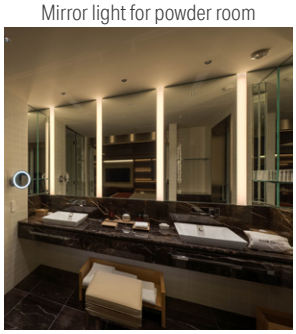
Application

Top bend

Facade indirect light



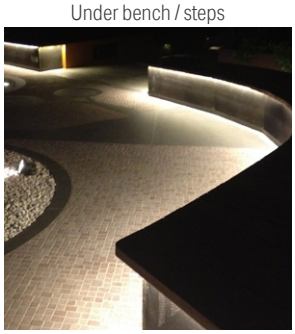
Mirror light for powder room



Side bend

Handrail

Under bench / steps



Side bend

Luci FLEX α F IP65

- Low-powered LED strip with bending sideways
- Side view LED package
- Small bending radius (Min. R 50mm)
- Narrow LED pitch suitable for limited space installation (10mm pitch)
- Small section W4mm * H10mm
- Customized length available up to 5m per roll

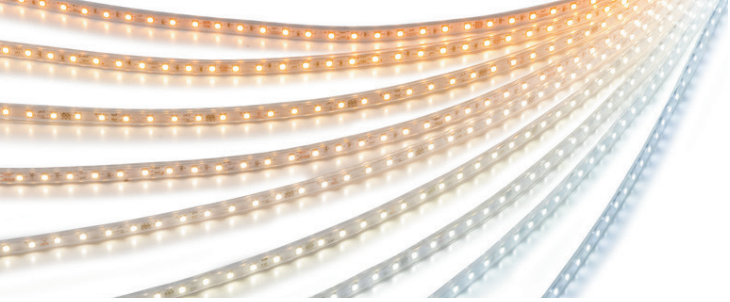
	Product Series	Series code	Wattage/m	Lumen/m (Warm white 2700K)	CRI	Custom order	Max. length	Diffser Tube
Top bend	Luci Power FLEX EX IP65 LFPEX P.190	LFPEX15	18.2 W/m	1496 lm/m	Ra 93		3.5m	
		LFPEX20	12.1 W/m	1016 lm/m	Ra 92			
		LFPEX30(9.5W)	9.5 W/m	695 lm/m	Ra 92	○	5m	N/A
		LFPEX30(6.5W)	6.5 W/m	516 lm/m	Ra 92			
		LFPEX30(4.5W)	4.5 W/m	371 lm/m	Ra 92			
	Luci Power FLEX IP65 LFP P.196	LFP15	15.4 W/m	790 lm/m	Ra 90	○	4.5m	○
		LFP20	10.5 W/m	563 lm/m			5m	
	Luci Flat FLEX IP65 LFTF P.202	LFTF10	3.9 W/m	282 lm/m	Ra 87	○	5m	○
		LFTF16	2.5 W/m	176 lm/m				
Side bend	Luci FLEX α IP65 LFXF P.208	LFXF10	3.9 W/m	252 lm/m	Ra 71	○	5m	○

LFP-O

19 Balmoral Road
Location: Singapore
Photo: Robert Such

ROKU KYOTO, LXR Hotels & Resorts
Location: Japan
Owner: TOKYU LAND CORPORATION
Architect office: Tokyu Architects & Engineers INC.

Interior design: BLINK Design Group Pte Ltd
Landscape Design: 10 LANDSCAPE ASSOCIATES
Lighting design: WORKTECHT&Co.
Construct: TAKENAKA CORPORATION



Luci Power FLEX IP65

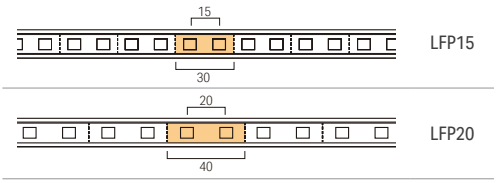
Luci's longest selling IP65 strip light best use for exterior furniture and facade concealed cove

Short unit lengths for delicate designs, with easy custom length order

Specifications

Dimensions

LED pitch and unit length (mm)



Cross section	W 15 x H 4.5 mm
Standard length	1m with both ends IP67 connector
Custom order	up to 4.5m (LFP15) or 5m (LFP20) length at every unit length with both ends or one end feed cable with IP67 connector

Do not allow to cut the LED fixture and cable at site.

Color temperature

7100K	5300K	4200K	3500K	3000K	2700K	2400K	1900K	Blue

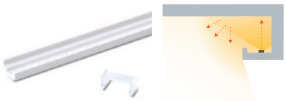
Ra 90

Min Bending radius

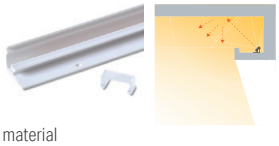
R 50mm in top (vertical) bend direction

Accessories

Mounting rail 1000 for Power FLEX



45°Mounting rail 1000 for Power FLEX



Easy to cut these rails at site as it's made by AES material

Electrical & Output

Model	LFP15	LFP20
Power Consumption (W/m)	15.4	10.5
Luminous flux @ 3000K (lm/m)	789	510

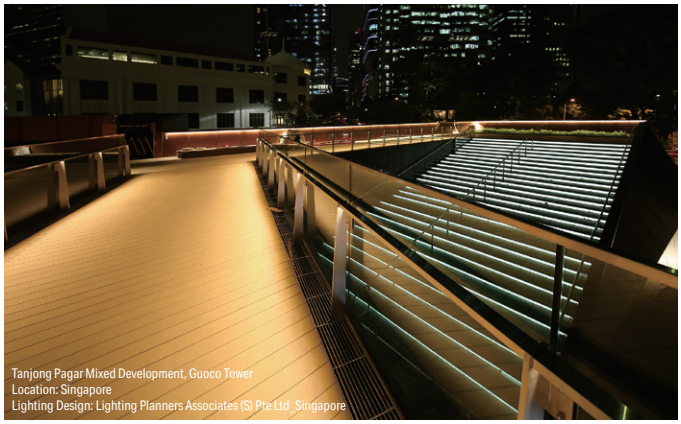
Soft acrylic tube

- Higher protection performance than bare LED strip against unexpected static electricity, external force and environmental factors which may cause damage to the circuit board and components.
- Long-lasting characteristics are maintained against deformation, discolouration, and deterioration proved by sunshine weather-resistant tests applied in the automotive industry.

Project reference

Azumaen
Location: Japan
Architect office: GOSiZE Co.,Ltd.
Construction: Tanigawa Construction Campany Co.,Ltd.
Photo: GOSiZE Co.,Ltd.

The Prince Gallery Tokyo Kioicho
Location: Japan
Architect Office: Nikken Sekkei Ltd
Interior Design: Rockwell Group, Europe
Lighting Design: Lighting Planners Associates
Construction: KAJIMA CORPORATION / TEKKEN CORPORATION / Kumagai Gumi Co.,Ltd. Consortium
Photo: TOSHIO KANEKO



Tanjong Pagar Mixed Development, Guoco Tower
Location: Singapore
Lighting Design: Lighting Planners Associates (S) Pte Ltd_Singapore

The Prince Gallery Tokyo Kioicho

Luci Power FLEX IP65

LFP-O

Color management
ANSI BIN

3 years warranty

- Customised length available up to 4.5m (LFP15), 5m (LFP20)
- 2 types of wattage and LED pitch: 15.4W/m (LFP15), 10.5W/m (LFP20)
- Covered with soft acrylic tube

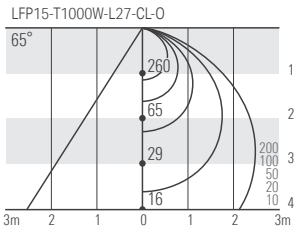
Model No.

LFP□□ - T□□□□□ - □ - □ - O

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFP15 : 15mm pitch LFP20 : 20mm pitch	Custom order length P.201 W : Both ends S : One ends	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L19 : Warm white 1900K B : Blue	CL : Clear DF : Diffuser	O : Outdoor

Light Intensity

Refer to P.66



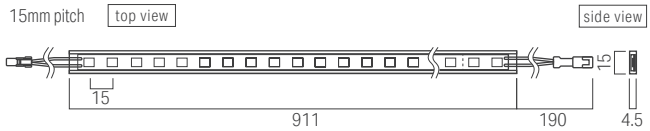
Specification @ Clear cover

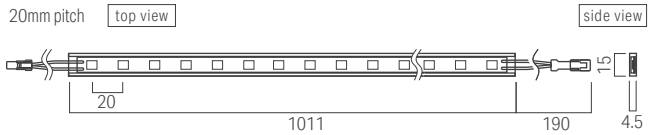
LED pitch			15mm pitch	20mm pitch
Model No.			LFP15-T0900W-□-CL-O	LFP20-T1000W-□-CL-O
Power consumption			13.9W/900mm	10.5W/m
Fitting length			911mm	1011mm
Weight			55g	60g
Cuttable unit			N/A	N/A
Luminaire efficacy (2700K)			65.8 lm/W	62.6 lm/W
Light source color			◯ = Device inventory * = Equivalent ✳ = Please contact us since it is made-to-order products and has MOQ.	
D	7100K	Ra90	✳ 875 lm	✳ 698 lm
N	5300K	Ra90	✳ 875 lm	✳ 639 lm
W	4200K	Ra90	◯ 818 lm	◯ 667 lm
WW	3500K	Ra90	◯ 774 lm	◯ 639 lm
L30	3000K	Ra90	◯ 710 lm	◯ 579 lm
L27	2700K	Ra90	◯ 711 lm	◯ 563 lm
L24	2400K	Ra90	◯ 608 lm	◯ 459 lm
L19	1900K	Ra70	✳ - lm	✳ 512 lm
B			✳	✳

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	In/Outdoor (no condensation) IP65
Max. length per circuit	15 mm pitch : 4.5m 20 mm pitch : 5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	❶❷❸❹ Mounting rail ❺❻ Mounting clip ❼ Power supply cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

External dimensions

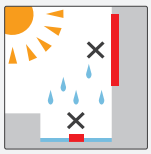




Max. connectable length per power supply

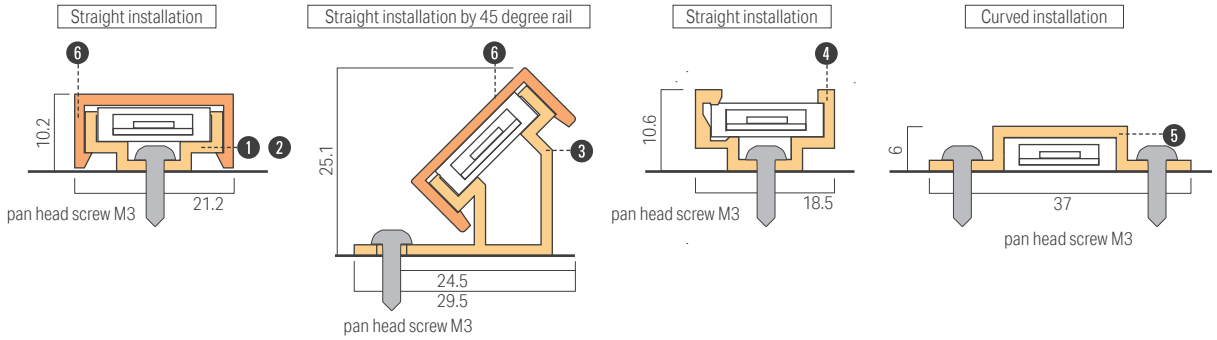
Length of LED fixture (70% loading factor) *: split into multiple circuits		
15mm pitch	20mm pitch	Power supply
~2.2m	~3.3m	50W power supply
~4.5m	~6.6m*	100W power supply
~6.8m*	~10m*	150W power supply

Prohibited installation places:
- direct expose to water / pooling of water
- direct sunlight
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



Caution:
Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

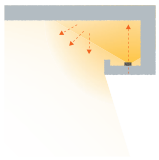
Cross sectional view when installing optional items

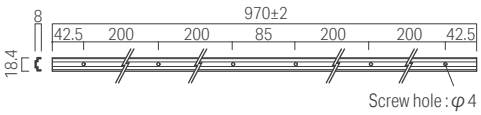


Option parts

1 Mounting rail 1000 for Power FLEX

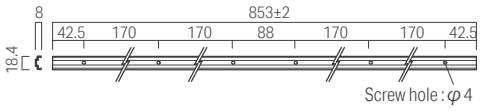
Model No : LFP-RL1000
Material: AES
❻ Mounting clip for rail (5pcs) is included.





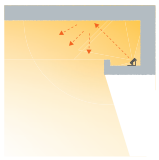
2 Mounting rail 900 for Power FLEX

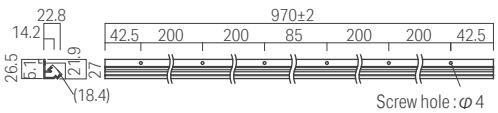
Model No : LFP-RL0900
❻ Mounting clip for rail (5pcs) is included.

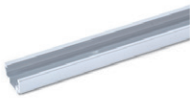


3 45° Mounting rail 1000 for Power FLEX

Model No : LFP-45RL1000
Material: AES
❻ Mounting clip for rail (5pcs) is included.

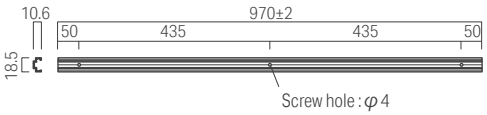






4 Aluminum mounting rail 1000 for Power FLEX

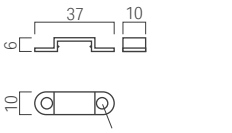
Model No : LFP-RL1000-AL



5 Mounting clip for Power FLEX

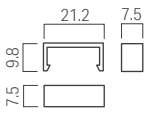
Model No : LFP-RC
5 pcs / bag

For curved installation



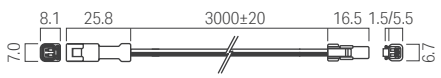
6 Mounting clip for rail Attachments for ❶ & ❷ & ❸

Model No : LFP-PT
For extra order, 5 pcs / bag



7 Outdoor cable 3M TR connector for FLEX Required

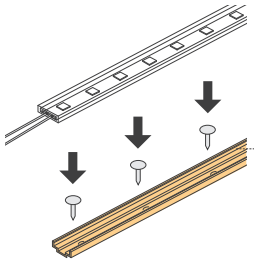
Model No : CAD-3000-MEFE-O
1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.



Luci Power FLEX IP65

Installing the product

Straight installation



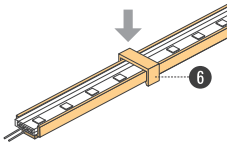
1 Mounting rail 1000 for Power FLEX (LFP-RL1000)

2 Mounting rail 900 for Power FLEX (LFP-RL0900)

4 Aluminum mounting rail 1000 for Power FLEX (LFP-RL1000-AL)

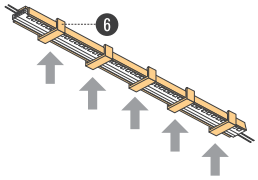
Pan head screws M3 recommended.

Cove lighting



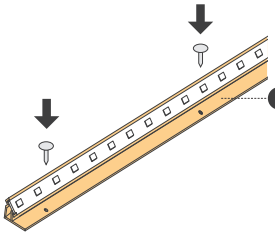
6 Mounting clip for rail (LFP-PT)

Cornice lighting



For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m
* In case of Aluminum mounting rail 1000 for Power FLEX, Mounting clip for rail is not necessary.

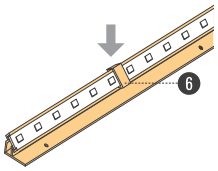
Straight installation by 45 degree rail



3 45° Mounting rail 1000 for Power FLEX (LFP-45RL1000)

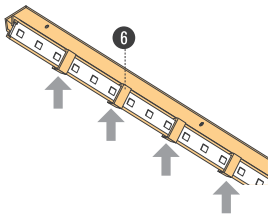
Pan head screws M3 recommended.

Cove lighting



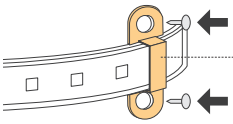
6 Mounting clip for rail (LFP-PT)

Cornice lighting



For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m

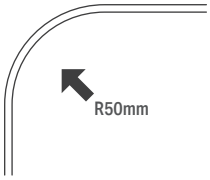
Curved installation



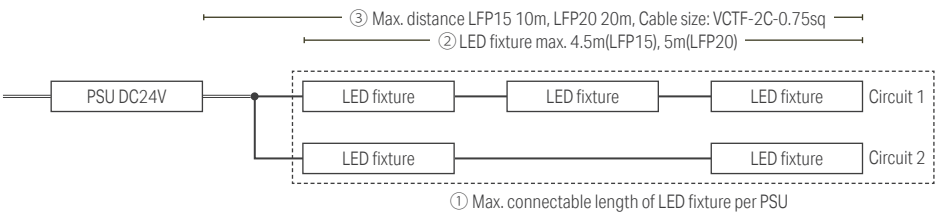
5 Mounting clip for Power FLEX (LFP-RC)

Pan head screws M3 recommended.

Minimum bending radius



System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci Power FLEX IP65 -Custom order-

Model No.

LFP□□ - T□□□□ □ - □ - □ - O

LED Pitch

- 15 15mm Pitch
- 20 20mm Pitch

Length

Refer to "Custom order products size"

Lead Wire

- W Both ends lead wire
- S One end lead wire

Light source color

D	Daylight white	7100K
N	Natural white	5300K
W	White	4200K
WW	Warm white 3500K	3500K
L30	Warm white 3000K	3000K
L27	Warm white 2700K	2700K
L24	Warm white 2400K	2400K
L19	Warm white 1900K	1900K
B	Blue	Blue

Tube type

- CL Clear
- DF Diffuser

Environment

- O Outdoor

External dimension

Luci Power FLEX IP65 / W Both ends lead wire

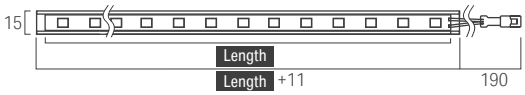
LFP□□-T□□□□W-□-□-O

Pitch / Length / Color / Tube

Luci Power FLEX IP65 / S One end lead wire

LFP□□-T□□□□S-□-□-O

Pitch / Length / Color / Tube



Custom order products size

Luci Power FLEX IP65 15mm pitch (15.4 W/m)

Corresponds to Length of Model No. and External dimensions

0030	0930	1830	2730	3630
0060	0960	1860	2760	3660
0090	0990	1890	2790	3690
0120	1020	1920	2820	3720
0150	1050	1950	2850	3750
0180	1080	1980	2880	3780
0210	1110	2010	2910	3810
0240	1140	2040	2940	3840
0270	1170	2070	2970	3870
0300	1200	2100	3000	3900
0330	1230	2130	3030	3930
0360	1260	2160	3060	3960
0390	1290	2190	3090	3990
0420	1320	2220	3120	4020
0450	1350	2250	3150	4050
0480	1380	2280	3180	4080
0510	1410	2310	3210	4110
0540	1440	2340	3240	4140
0570	1470	2370	3270	4170
0600	1500	2400	3300	4200
0630	1530	2430	3330	4230
0660	1560	2460	3360	4260
0690	1590	2490	3390	4290
0720	1620	2520	3420	4320
0750	1650	2550	3450	4350
0780	1680	2580	3480	4380
0810	1710	2610	3510	4410
0840	1740	2640	3540	4440
0870	1770	2670	3570	4470
0900	1800	2700	3600	4500

Luci Power FLEX IP65 20mm pitch (10.5 W/m)

Corresponds to Length of Model No. and External dimensions

0040	1040	2040	3040	4040
0080	1080	2080	3080	4080
0120	1120	2120	3120	4120
0160	1160	2160	3160	4160
0200	1200	2200	3200	4200
0240	1240	2240	3240	4240
0280	1280	2280	3280	4280
0320	1320	2320	3320	4320
0360	1360	2360	3360	4360
0400	1400	2400	3400	4400
0440	1440	2440	3440	4440
0480	1480	2480	3480	4480
0520	1520	2520	3520	4520
0560	1560	2560	3560	4560
0600	1600	2600	3600	4600
0640	1640	2640	3640	4640
0680	1680	2680	3680	4680
0720	1720	2720	3720	4720
0760	1760	2760	3760	4760
0800	1800	2800	3800	4800
0840	1840	2840	3840	4840
0880	1880	2880	3880	4880
0920	1920	2920	3920	4920
0960	1960	2960	3960	4960
1000	2000	3000	4000	5000

Color temperature of diffuser tube type

Nominal light source color temperature(clear tube)		Color temperature through diffuser tube *1
D	7100 K	4300 K
N	5300 K	3800 K
W	4200 K	3300 K
WW	3500 K	2800 K
L30	3000 K	2500 K
L27	2700 K	2200 K
L24	2400 K	1900 K

*1:
The optical data provided on the above is for reference only. Due to the tolerances of the production process, values for color temperature can vary ±10%. The lumen output value of diffuser tube type is 20~30% less than clear tube type.
In addition, non-uniform color among each package may be more pronounced when using the diffuser tube.

Clear tube

Diffuser tube

LFTF-O

Kanazawa Castle Park Nezumitamon Bridge Slope at OYAMA shrine side
Location: Japan
Client: Ishikawa Prefecture

Lighting design: Reiko Chikada Lighting Design Inc.
Construction: NAKA CORPORATION
Photo: NAKA CORPORATION

Gardens by the Bay, Cloud Forest
Location: Singapore
Lighting Design: Lighting Planners Associates

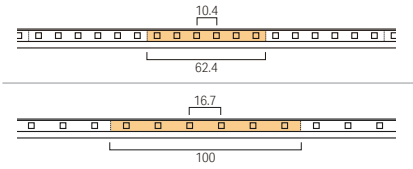
Luci Flat FLEX F IP65

Low power IP65 strip light with narrow LED pitch
ideal for concealed light in low lux level
High transparency soft acrylic tube for high efficiency,
easy installation and maintenance

Specifications

Dimensions

LED pitch and unit length (mm)



Cross section	W 10 x H 4 mm
Standard length	1m with both ends IP67 connector
Custom order	up to 5m length at every unit length with both ends or one end feed cable with IP67 connector

Do not allow to cut the LED fixture and cable at site

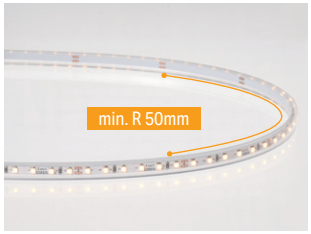
Color temperature

7100K | 5300K | 4200K | 3500K | 3000K | 2700K | 2400K

Ra 90

Min Bending radius

R 50mm in top (vertical) bend direction



Electrical & Output

Model	LFTF10	LFTF16
Power Consumption (W/m)	3.9	2.5
Luminous flux @ 3000K (lm/m)	300	187

Project reference

KUROMONMAE green space
Location: Japan
Client: City of Kanazawa
Lighting design: Reiko Chikada Lighting Design Inc.
Construction: NAKA CORPORATION
Photo: NAKA CORPORATION

EMPIRE Prestige Causeway Bay
Location: Hong Kong
Client: Asia Standard Hotel Group Ltd.
Interior Design: atelier ikebuchi

IMORIZAKA
Location: Japan
Client: Ishikawa Prefecture
Lighting design: Reiko Chikada Lighting Design Inc.
Construction: NAKA CORPORATION
Photo: NAKA CORPORATION

IMORIZAKA
Location: Japan
Client: Ishikawa Prefecture
Lighting design: Reiko Chikada Lighting Design Inc.
Construction: NAKA CORPORATION
Photo: NAKA CORPORATION

Luci Flat FLEX F IP65

LFTF-O

Color management
ANSI BIN

3 years warranty

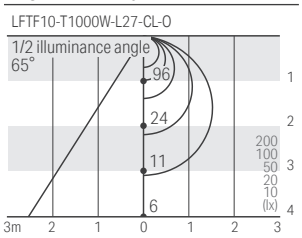
- Customized length available up to 5m per roll
- 2 types of wattage and LED pitch: 3.9W/m (LFTF10), 2.5W/m(LFTF16)
- Covered with soft acrylic tube

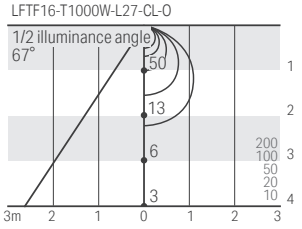
Model No.

LFTF□□ - T□□□□□ - □ - □ - O

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFTF10 : 10mm pitch LFTF16 : 16mm pitch	Custom order length P.207 W : Both ends S : One ends	D : Daylight white N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K	CL : Clear DF : Diffuser	O : Outdoor

Light Intensity Refer to P.78





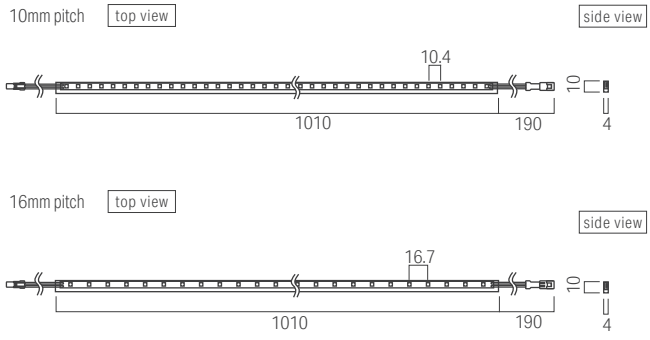
Specification @ Clear cover

LED pitch	10mm pitch	16mm pitch
Model No.	LFTF10-T1000W-□-CL-O	LFTF16-T1000W-□-CL-O
Power consumption	3.9W/m	2.5W/m
Fitting length	1010mm	1010mm
Weight	40g	40g
Unit length	62.4mm (6 LED)	100mm (6 LED)
Luminaire efficacy (2700K)	72.3 lm/W	70.4 lm/W
Light source color	◯ = Device inventory * = Equivalent ✻ = Please contact us since it is made-to-order products and has MOQ.	
D 7100K Ra94	✻ 324 lm	✻ - lm
N 5300K Ra94	✻ 329 lm*	✻ - lm
W 4200K Ra90	◯ 294 lm	◯ - lm
WW 3500K Ra90	◯ 305 lm	◯ - lm
L30 3000K Ra90	◯ 300 lm	◯ 187 lm*
L27 2700K Ra87	◯ 282 lm	◯ 176 lm*
L24 2400K Ra83	◯ 229 lm*	◯ 143 lm*
L19 1900K	-	-

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	In/Outdoor (no condensation) IP65
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	❶ Mounting rail ❷❸ Mounting clip ❹ Power supply cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

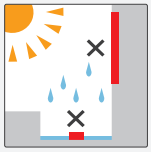
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits		
10mm pitch	16mm pitch	Power supply
~9m*	~14m*	50W power supply
~18m*	~28m*	100W power supply
~27m*	~42m*	150W power supply

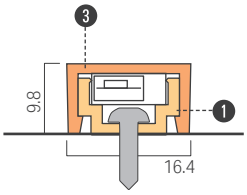
Prohibited installation places:
- direct expose to water / pooling of water
- direct sunlight
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



Caution:
Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

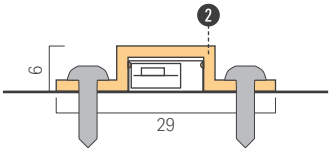
Cross sectional view when installing optional items

Straight installation



pan head screw M3

Curved installation



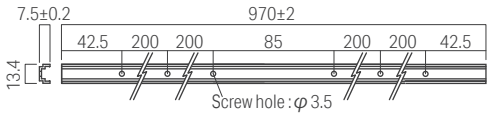
pan head screw M3

Option parts

❶ Mounting rail 1000 for Flat FLEX

Model No : LFT-RL1000
Material : AES

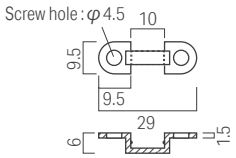
❸ Mounting clip for rail (5pcs) is included.



❷ Mounting clip for Flat FLEX

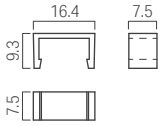
Model No : LFT-RC
10 pcs / bag

For curved installation



❸ Mounting clip for rail ❶ Attachment

Model No : LFT-PT
For extra order, 5 pcs / bag



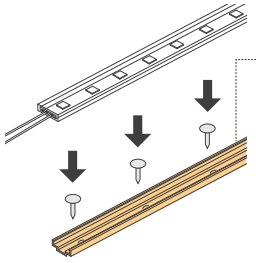
❹ Outdoor cable 3M TR connector for FLEX Required

Model No : CAD-3000-MEFE-O
1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.

Luci Flat FLEX F IP65

Installing the product

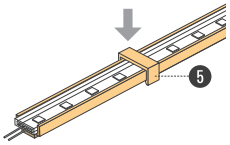
Straight installation



❶ Mounting rail 1000 for Flat FLEX (LFT-RL1000)

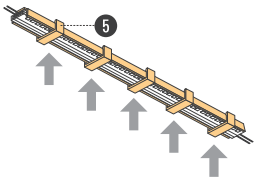
Pan head screws M3 recommended.

Cove lighting



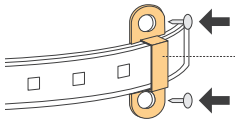
❺ Mounting clip for rail (LFT-PT)

Cornice lighting



For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 per 1 m

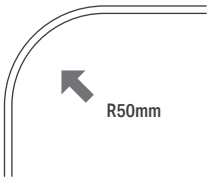
Curved installation



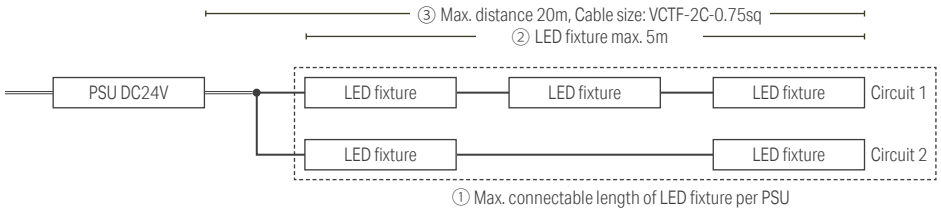
❷ Mounting clip for Flat FLEX (LFT-RC)

Pan head screws M3 recommended.

Minimum bending radius



System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci Flat FLEX F IP65 -Custom order-

Model No.

LFTF□□ - T□□□□ □ - □ - □ - O

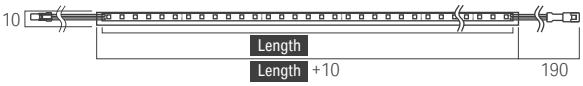
LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment
10 10mm Pitch 16 16mm Pitch	Refer to "Custom order products size"	W Both ends lead wire S One end lead wire	D Daylight white 7100K N Natural white 5300K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K	CL Clear DF Diffuser	O Outdoor

External dimension

Luci Flat FLEX F IP65 / W Both ends lead wire

LFTF□□ -T□□□□W- □- □- O

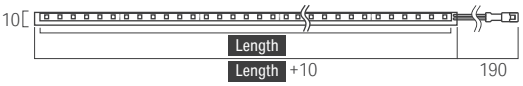
Pitch Length Color Tube



Luci Flat FLEX F IP65 / S One end lead wire

LFTF□□ -T□□□□S- □ - □- O

Pitch Length Color Tube



Custom order products size

Luci Flat FLEX F IP65 10mm pitch (3.9 W/m)

Corresponds to Length of Model No. and External dimensions

0063	1063	2063	3063	4063
0125	1125	2125	3125	4125
0188	1188	2188	3188	4188
0250	1250	2250	3250	4250
0313	1313	2313	3313	4313
0375	1375	2375	3375	4375
0438	1438	2438	3438	4438
0500	1500	2500	3500	4500
0563	1563	2563	3563	4563
0625	1625	2625	3625	4625
0688	1688	2688	3688	4688
0750	1750	2750	3750	4750
0813	1813	2813	3813	4813
0875	1875	2875	3875	4875
0938	1938	2938	3938	4938
1000	2000	3000	4000	5000

Luci Flat FLEX F IP65 16mm pitch (2.5 W/m)

Corresponds to Length of Model No. and External dimensions

0100	1100	2100	3100	4100
0200	1200	2200	3200	4200
0300	1300	2300	3300	4300
0400	1400	2400	3400	4400
0500	1500	2500	3500	4500
0600	1600	2600	3600	4600
0700	1700	2700	3700	4700
0800	1800	2800	3800	4800
0900	1900	2900	3900	4900
1000	2000	3000	4000	5000

Color temperature of diffuser tube type

Nominated Light source color (clear tube)		Color temperature through diffuser tube *1
D	7100 K	5200 K
N	5300 K	4400 K
W	4200 K	3700 K
WW	3500 K	3000 K
L30	3000 K	2700 K
L27	2700 K	2400 K
L24	2400 K	2100 K

*1:
The optical data provided on the above is for reference only. Due to the tolerances of the production process, values for color temperature can vary ±10%. The lumen output value of diffuser tube type is 20~30% less than clear tube type.

Clear tube

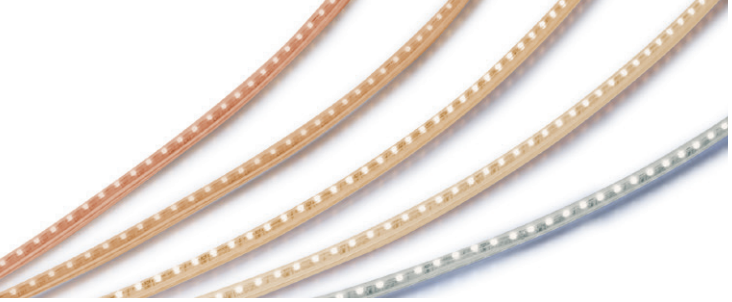
Diffuser tube

LFXF-O

Panorama
Location: Singapore
Photo: Robert Such

The Prince Gallery Tokyo Kioicho
Location: Japan
Architect Office: Nikken Sekkei Ltd
Interior Design: Rockwell Group, Europe

Lighting Design: Lighting Planners Associates
Construction: KAJIMA CORPORATION / TEKKEN CORPORATION / Kumagai Gumi Co.,Ltd. Consortium
Photo: TOSHIO KANEKO



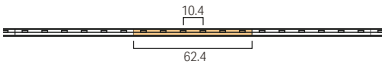
Luci FLEX α F IP65

Side bend flexible strip with clear or diffused soft acrylic tube
Only 4mm thickness with side view LED package,
suitable for limited space installation
Customized length available up to 5m per roll

Specifications

Dimensions

LED pitch and unit length (mm)



LFXF10

Cross section	W 10 x H 4 mm
Standard length	1m with both ends IP67 connector
Custom order	up to 5m length at every unit length with both ends or one end feed cable with IP67 connector

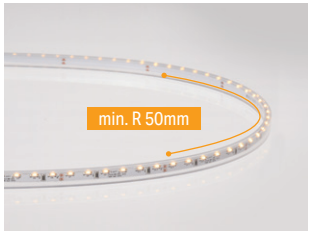
Do not allow to cut the LED fixture and cable at site.

Color temperature

7100K | 4200K | 3500K | 3000K | 2700K | 2400K

Min Bending radius

R 50mm in side (horizontal) bend direction



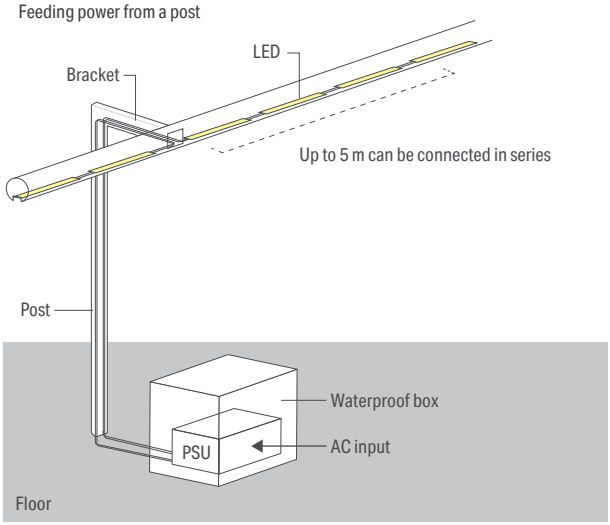
Electrical & Output

Model	LFXF10
Power Consumption (W/m)	3.9
Luminous flux @ 3000K (lm/m)	302

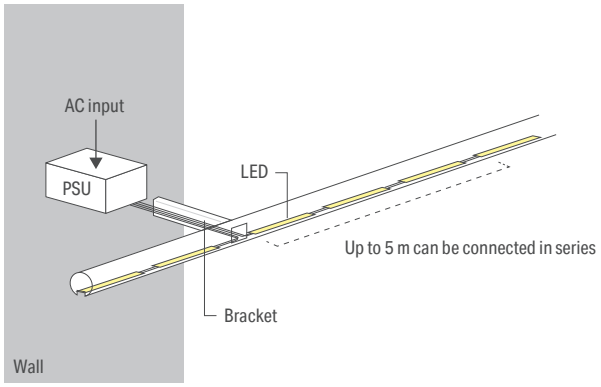
TIPS: Handrail

With the cross section of 4 x 10 mm, it is ideal for handrail lighting. The luminaires can be connected in series for up to 5 m. For installation through cables in posts or walls, the cable length can be customised according to site requirements.

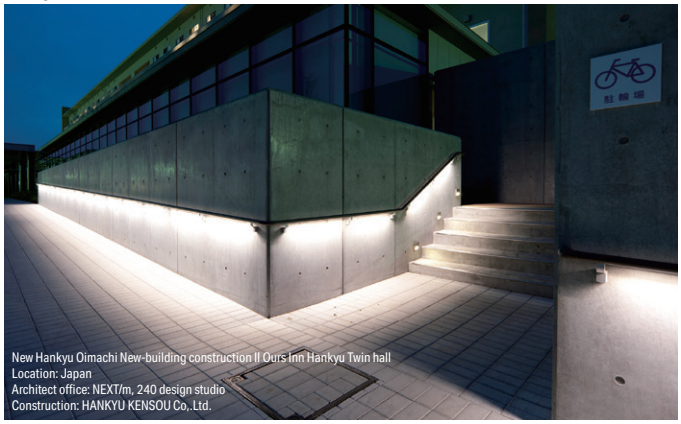
Feeding power from a post



Feeding power from a wall



Project reference



New Hankyu Oimachi New-building construction II Ours Inn Hankyu Twin hall
Location: Japan
Architect office: NEXT/m, 240 design studio
Construction: HANKYU KENSOU Co., Ltd.

Panorama
Location: Singapore
Photo: Robert Such

Luci FLEX α F IP65

LFXF-O

Color management
ANSI BIN

3 years warranty

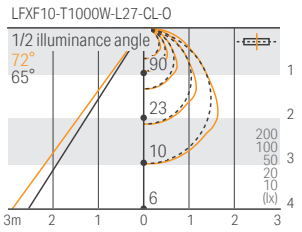
- Flexible strip with bending sideways
- Customised length available up to 5m per roll, 62.4mm increments
- Covered with soft acrylic tube

Model No.

LFXF□□ - T□□□□□ - □ - □ - O

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFXF10	Custom order length P.213 W : Both ends S : One ends	D : Daylight white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K	CL : Clear DF : Diffuser	O : Outdoor

Light Intensity Refer to P.94



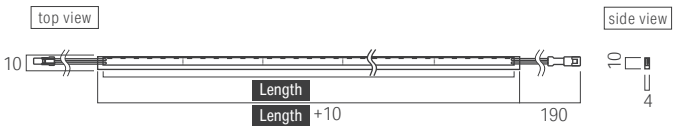
Specification @ Clear cover

LED pitch			10mm pitch	
Model No.			LFXF10-T1000W-□-CL-O	
Power consumption			3.9W/m	
Fitting length(L)			1010mm	
Weight			40g	
Unit length			62.4mm (6 LED)	
Luminaire efficacy(2700K)			64.6 lm/W	
Light source color			◯ = Device inventory * = Equivalent ✻ = Please contact us since it is made-to-order products and has MOQ.	
D	7100K	Ra74	✻	311 lm*
N	5300K		-	
W	4200K	Ra70	◯	330 lm*
WW	3500K	Ra75	◯	281 lm*
L30	3000K	Ra70	◯	302 lm*
L27	2700K	Ra71	◯	252 lm
L24	2400K	Ra65	✻	245 lm*
L19	1900K		-	

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	In/Outdoor (no condensation) IP65
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	❶ Mounting rail ❷ Mounting parts ❸❹ Mounting clip ❺ Power supply cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

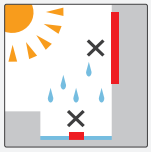
External dimensions



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
~9m*	50W power supply
~18m*	100W power supply
~27m*	150W power supply

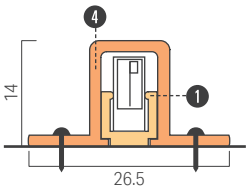
Prohibited installation places:
- direct expose to water / pooling of water
- direct sunlight
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



Caution:
Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

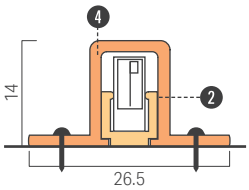
Cross sectional view when installing optional items

Straight installation



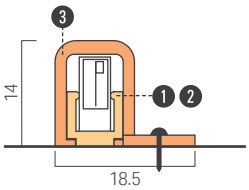
pan head screw M3

Curved installation



pan head screw M3

1 Straight, 2 Curved



pan head screw M3

Option parts

❶ Mounting rail 1000 for FLEX α

Model No : LFX-RL1000

❹ Mounting clip for FLEX α rail (10 pcs / bag) is included.

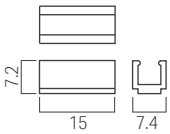
❷ Mounting parts for FLEX α

Model No : LFX-RL0015

10 pcs / bag

❹ Mounting clip for FLEX α rail (10 pcs / bag) is included.

For curved installation

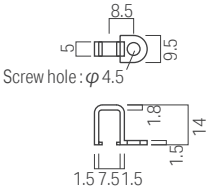


❸ Mounting clip B for FLEX α

Model No : LFX-RC-B

10 pcs / bag

Narrower clip used with rail ❶ or parts ❷

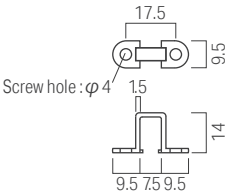


❹ Mounting clip 1000 for FLEX α rail

Attachments for ❶ & ❷

Model No : LFX-RC

for extra order, 10 pcs / bag

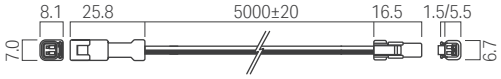


❺ Outdoor cable 3M TR connector for FLEX

Required

Model No : CAD-3000-MEFE-O

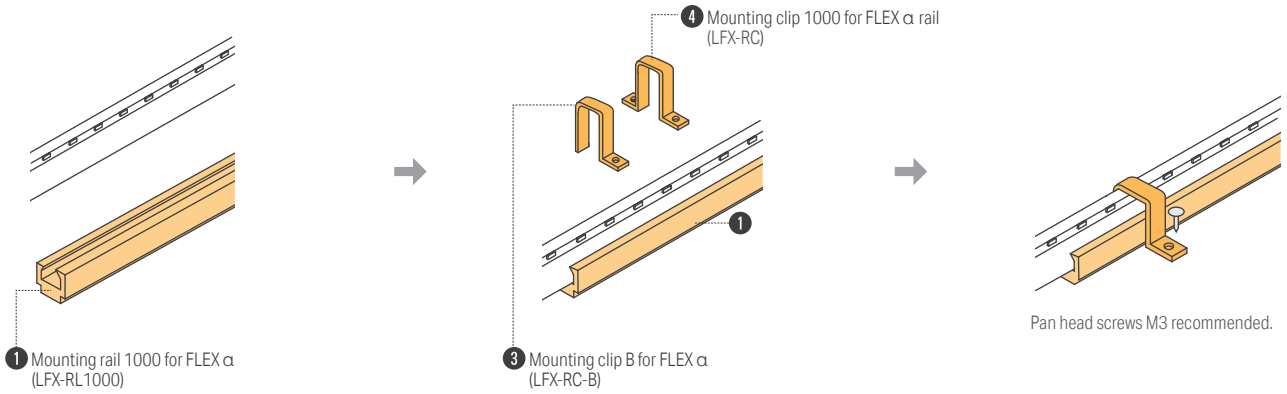
1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.



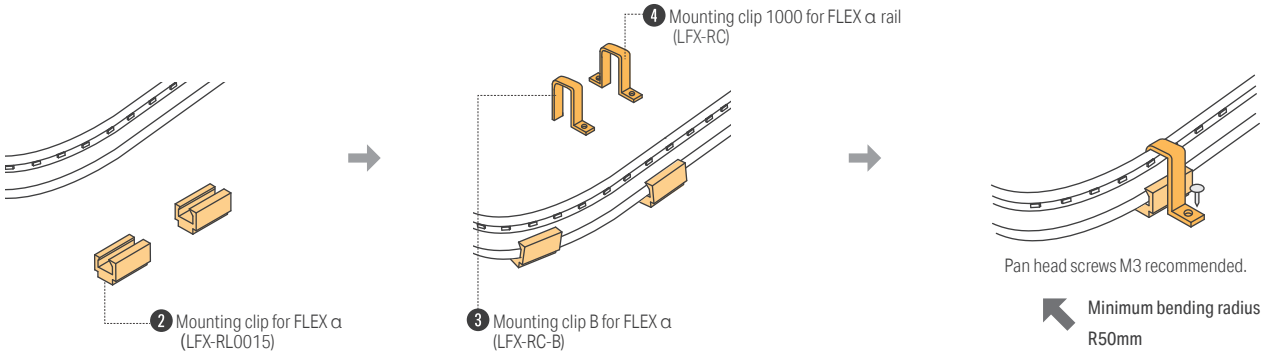
Luci FLEX α F IP65

Installing the product

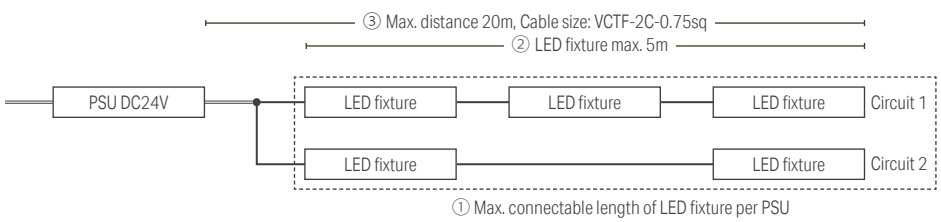
Straight installation



Curved installation



System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci FLEX α F IP65 -Custom order-

Model No.

LFXF10 - T□□□□ □ - □ - □ - O

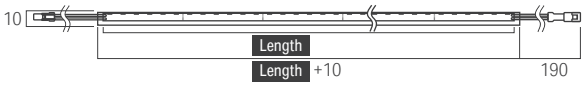
Length	Lead Wire	Light source color	Tube type	Environment
Refer to "Custom order products size"	W Both ends lead wire S One end lead wire	D Daylight white 7100K W White 4200K WW Warm white 3500K 3500K L30 Warm white 3000K 3000K L27 Warm white 2700K 2700K L24 Warm white 2400K 2400K	CL Clear DF Diffuser	O Outdoor

External dimension

Luci FLEX α F IP65 / W Both ends lead wire

LFXF10 -T□□□□W- □ - □ - O

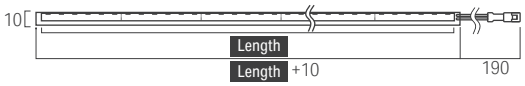
Length Color Tube



Luci FLEX α F IP65 / S One end lead wire

LFXF10 -T□□□□S- □ - □ - O

Length Color Tube



- The lead wires are delivered without connectors. Contact us if indoor connectors are needed.

Custom order products size

Luci FLEX α F IP65 10mm pitch (3.9 W/m)				
Corresponds to Length of Model No. and External dimensions				
0063	1063	2063	3063	4063
0125	1125	2125	3125	4125
0188	1188	2188	3188	4188
0250	1250	2250	3250	4250
0313	1313	2313	3313	4313
0375	1375	2375	3375	4375
0438	1438	2438	3438	4438
0500	1500	2500	3500	4500
0563	1563	2563	3563	4563
0625	1625	2625	3625	4625
0688	1688	2688	3688	4688
0750	1750	2750	3750	4750
0813	1813	2813	3813	4813
0875	1875	2875	3875	4875
0938	1938	2938	3938	4938
1000	2000	3000	4000	5000

Color temperature of diffuser tube type

Nominal light source color temperature(clear tube)		Color temperature through diffuser tube *1
D	7100 K	5600 K
W	4200 K	3800 K
WW	3500 K	3300 K
L30	3000 K	2900 K
L27	2700 K	2500 K
L24	2400 K	2200 K

*1:
The optical data provided on the above is for reference only. Due to the tolerances of the production process, values for color temperature can vary ±10%. The lumen output value of diffuser tube type is 20~30% less than clear tube type.

Clear tube

Diffuser tube

Direct horizonal surface light intensity distribution chart P.146

LRO

MEGALOS Koiwa
Location: Japan
Lighting design: DAIKO ELECTRIC CO.,LTD.
Photo: Nomura Real Estate Life & Sports Co.,Ltd.

Mia Saigon, Luxury Collection Hotel
Location: Vietnam
Lighting design: LUMINO DESIGN

Luci EFRO IP65

Double waterproof and moisture-proof structure,
suitable for shower rooms and landscapes.
Round shape with high efficiency 8.4W/m 600lm/m with adjustable clip for
cove light and aluminum channel for surface wall mount

Specifications

Dimensions

Cross section W 25 x H 36 mm including clip
Standard length 5 types of fixed length

1142 | 862
582 | 302 | 162

Color temperature

4000K | 3500K | 3000K | 2700K | 2400K

Ra 90

Electrical & Output

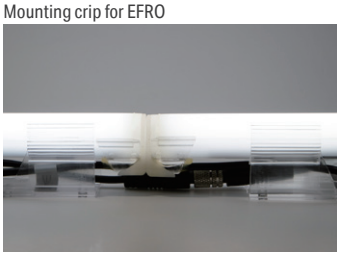
Power Consumption (W/m)	8.4
Luminous flux @ 3000K (lm/m)	601

Features

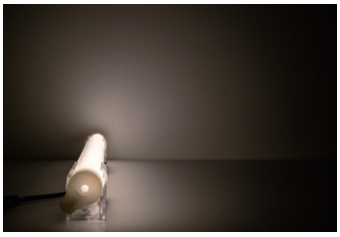
- Gasket between the end cap and tube
- Fuse on circuit board against unexpected over current
- Sealed by special glue at the end cap and tube
- IP67 screw fixing connector
- Coated circuit board for prevention against humidity

Accesories

Mounting crip for EFRO

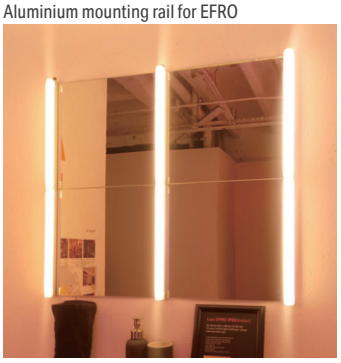


Connectors can be put under LED fixture



Adjustable angle for cove light

Aluminium mounting rail for EFRO

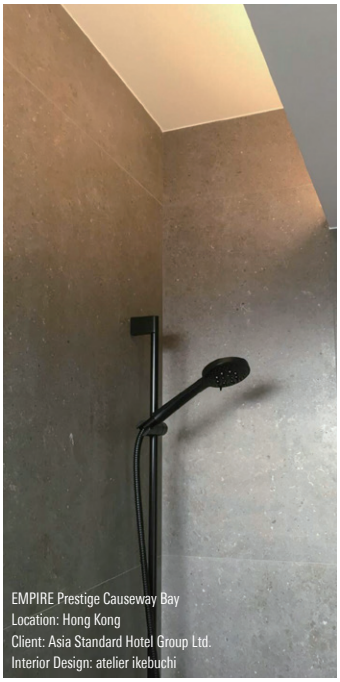


Optional aluminum channel for surface wall mounting

Project reference

Y's Residence
Location: Japan
Architect office: Daisuke Chugun Architect & Associates
Lighting Design: ILLUMINATION OF CITY ENVIRONMENT

CLIO Komazawakouen show room
Location: JAPAN
Owner: MEIWA ESTATE CO., LTD.
Interior design: KAN DESIGNING OFFICE LTD.
Lighting design office: WORKTECHT CORPORATION
Construction: ONE DESIGNS Co., Ltd.



EMPIRE Prestige Causeway Bay
Location: Hong Kong
Client: Asia Standard Hotel Group Ltd.
Interior Design: atelier ikebuchi

Luci EFRO IP65

LRO

Color management
MacAdam 3 step

CE

- Steam-proof which passed Japanese humidity test
- For bathroom or Spa usage
- Aluminium mounting rail for surface mount

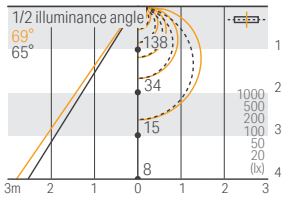
Model No.

LRO - □□□□ - □ - DF - IW

Product Name	Length	Light source color	Cover type	Environment
LRO	0162 0302 0582 0862 1142	W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K	DF: Diffuser	IW : IP65 (Indoor / Semi-outdoor)

Light Intensity Refer to P.220

LRO-1142-L27-DF-IW



Specification

Length			0162	0302	0582	0862	1142
Model No.			LRO-0162-□-DF-IW	LRO-0302-□-DF-IW	LRO-0582-□-DF-IW	LRO-0862-□-DF-IW	LRO-1142-□-DF-IW
Power consumption			1.2W	2.4W	4.8W	7.2W	9.6W
Fitting length(L)			162mm	302mm	582mm	862mm	1142mm
Weight			62g	100g	172g	234g	310g
Luminaire efficacy(2700K)			90.3 lm/W	90.3 lm/W	90.3 lm/W	90.3 lm/W	90.3 lm/W
Light source color			○ = Device inventory	* = Equivalent			
D	7100K		-	-	-	-	-
N	5000K		-	-	-	-	-
W	4000K	Ra94	○ 100 lm*	○ 201 lm*	○ 401 lm*	○ 602 lm	○ 802 lm*
WW	3500K	Ra94	○ 95 lm*	○ 191 lm*	○ 381 lm*	○ 572 lm	○ 862 lm*
L30	3000K	Ra93	○ 86 lm*	○ 172 lm*	○ 344 lm*	○ 516 lm	○ 688 lm*
L27	2700K	Ra93	○ 87 lm*	○ 174 lm*	○ 349 lm*	○ 523 lm	○ 697 lm*
L24	2400K	Ra94	○ 83 lm*	○ 166 lm*	○ 331 lm*	○ 497 lm	○ 662 lm*
L21	2100K		-	-	-	-	-

Spec may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

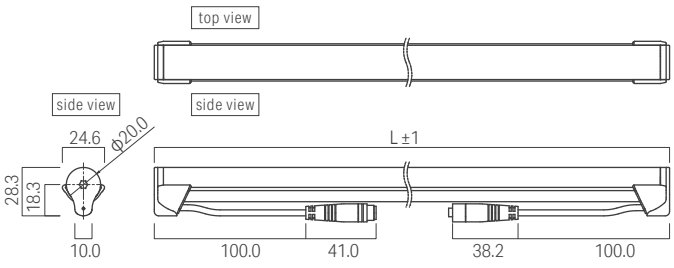
Input voltage	DC24V
Environment	Bathroom, semi-outdoor, Moistureproof (IP65)*1
Max. length per circuit	4.5m
Material (body)	Polycarbonate, PVC cable, IP65 connector
Material (cover, clip)	Polycarbonate
Material (mounting rail)	Aluminum
Attachments	❶ Mounting clip 2pcs for 582mm or shorter 3pcs for 862mm or longer
Option parts	❶ Mounting clip ❷ Mounting rail ❸ Power supply cable
Certification	CE, Complied with JIS0920, IP65
Operating temperature	0°C ~ +35°C (No Condensation)
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

*1 Installing in a sauna, bathroom/shower room operated 24 hours a day is not allowed.

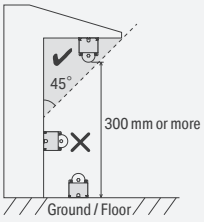
Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
~4.1m	50W power supply
~8.3m*	100W power supply
~12.5m*	150W power supply

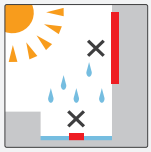
External dimensions



Prohibited installation places:

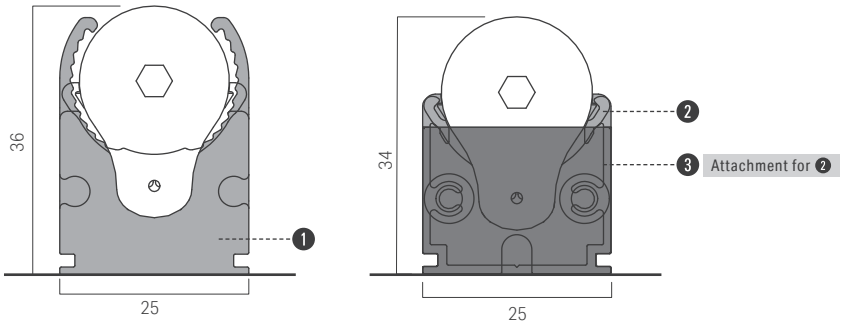


When using EFRO in semi-outdoor, it must be installed with the aluminum rail for EFRO. Please installed the LED fixture and the cable within the range of 45° eaves of the roof and 300 mm or more away from the ground or the floor. Please do not install the LED fixture and cables in the follow place:
- direct expose to water or pooling of water
- direct sunlight
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas and public bath
- coastal areas which are affected by sea spray

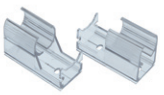


Caution
Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Cross sectional view



Option parts



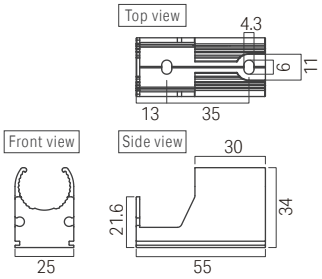
1 Mounting clip for EFRO **Attachment**

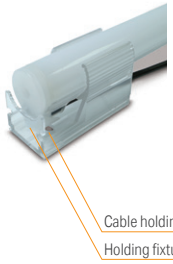
Model No : LRO-PT-A

Attached with LED fixture
2 pcs for 582 mm or shorter
3 pcs for 862 mm or longer
5 pcs for 983mm to 1463mm

- Holding LED fixture at both ends
- Angle adjustable
- Connectors can be put under the LED fixture
- Material: Clear polycarbonate

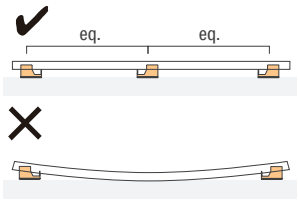
For extra order, 3 pcs / bag





Cautions: Use accurate number of Mounting parts
Install 3pcs of Mounting clips at the middle and both edge sides of LED fixture if the LED fixture is longer than 862mm. Otherwise, the LED fixture will bow by its weight and may defect.

- Number of Mounting clips (LRO-PT-A)
  2 pcs for 582 mm or shorter
  3 pcs for 862 mm or longer



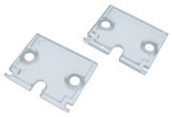
2 Aluminum mounting rail for EFRO ****

Model No : LRO-RL****-AL

****: Length (0164/0304/0584/0864/1144)

3 End cap for aluminum rail (2 pcs/bag) is included.

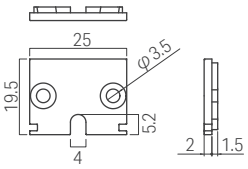
- For easy and quick installation: unnecessary to pre-align the clips
- Connectors can be put under LED fixture
- Material
  Rail: Aluminum, End cap: Semi-clear polycarbonate
- Delivered with the same length as the product
  (Length variation: 164mm, 304mm, 584mm, 864mm, 1144mm)

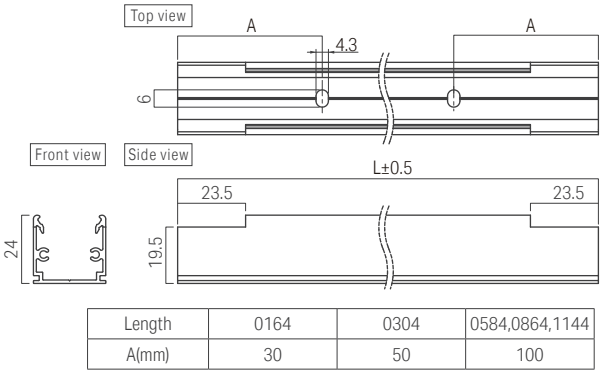


3 End cap for aluminum rail **Attachment for 2**

Model No : LRO-RL-EC

Screws (4 pcs of Flat head, M3L8) are included





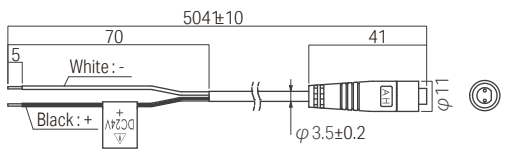
Length	0164	0304	0584,0864,1144
A(mm)	30	50	100

4 Power supply cable 5M for AH1 connector OD3.5 **Required**

Model No : CAD-VA5000-FJNN-O

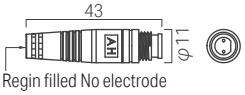
5 Connector cover for AH1 connector (1 pc/bag) is included

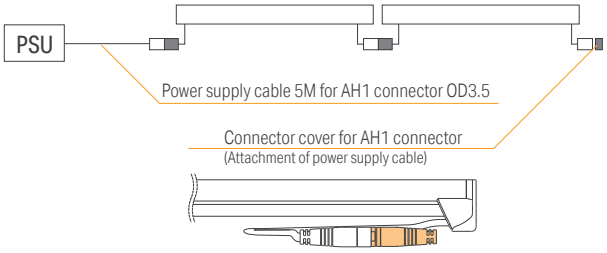
- Required for each circuit of LED fixture
- One side connector, one side bare wire
- 1 pcs of connector end cap (CC-MJ-O) is attached
  * to avoid water intrusion from the terminal connector of LED fixture



5 End cap for power supply cable **Attachment for 4**

Model No : CC-MJ-O





Cautions: Waterproofing process for terminal connector
The unenclosed connector at the terminal of LED fixture must be sealed with connector cover for AH1 connector which is attached with power supply cable (CAD-VA5000-FJNN-O). Make sure to rotate the fastening part until no longer can rotate.

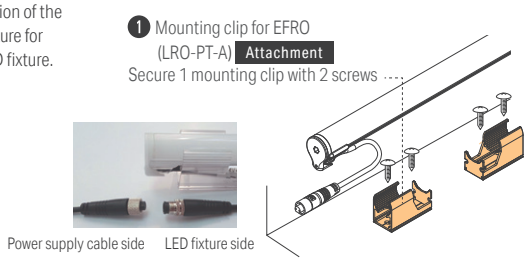
Luci EFRO IP65

Installing the product

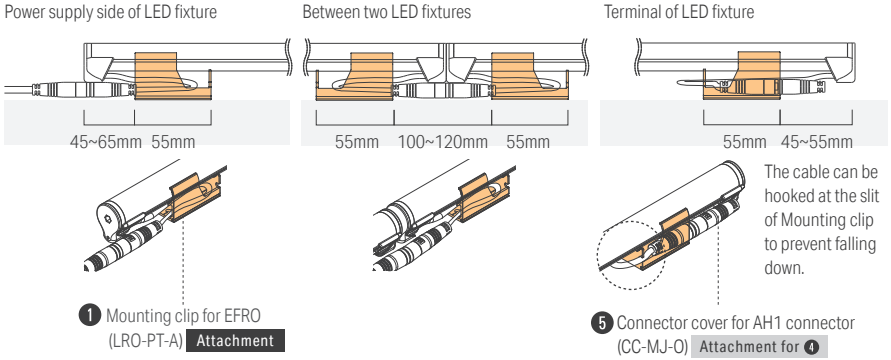
Straight installation

Installation with Mounting Clip

Attach Mounting clip for EFRO (LRO-PT-A) at below position with screws supplied by installer (Pan head screws M4 recommended), and insert the LED fixture with considering the direction of the connector of power supply cable side. See below picture for holding the cable and connector underneath the LED fixture. Downwards installation is available as well.



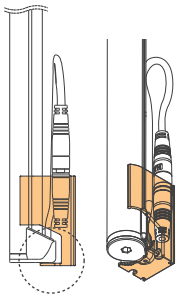
Recommended position of Monting clips



Vertical installation

Make sure the bottom of LED fixture hook on the edge of the Mounting clip in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the edge of the Mounting clip, it may slide down and fall.

Terminal of LED fixture

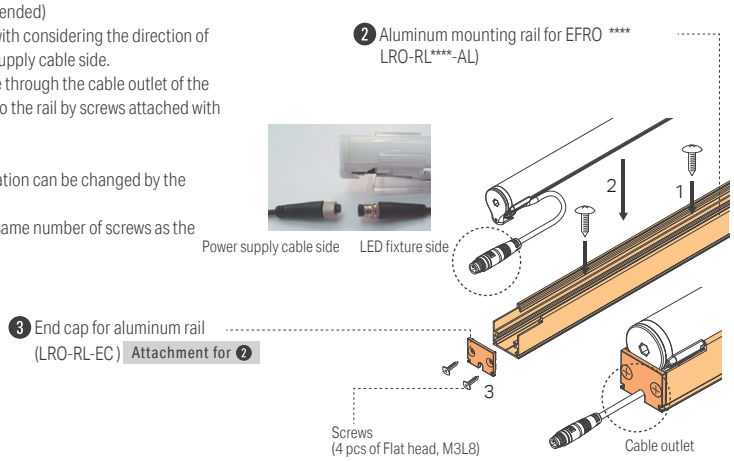


Connector cover for AH1 connector can be stored in the Mounting clip. Connecting the power supply cable at the top of LED fixture.

Installation with Mounting Rail

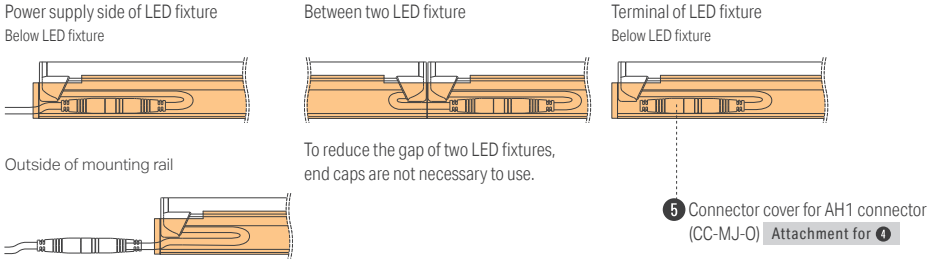
1. Attach Aluminum mounting rail for EFRO (LRO-RL****-AL) at below position with screws supplied by installer (Pan head screws M4 recommended)
2. Insert the LED fixture with considering the direction of the connector of power supply cable side.
3. After passing the cable through the cable outlet of the end cap, fix the end cap to the rail by screws attached with the products.

Note: The order of installation can be changed by the situation of the site.
Note: Please fix with the same number of screws as the number of screw holes.

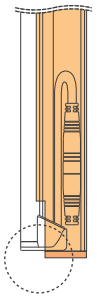


Make sure the bottom of LED fixture hook on the edge of the end cap for aluminum rail in accordance with the diagram.
Caution: If the weight of the LED fixture is not supported by the end cap for aluminum mounting rail, it may slide down and fall.

Position of connector

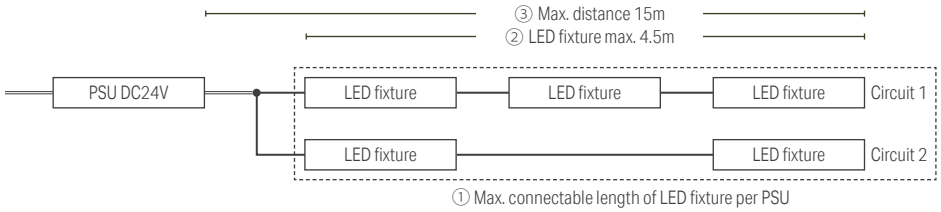


Terminal of LED fixture



Connector cover for AH1 connector can be stored in the Mounting rail. Connecting the power supply cable at the top of LED fixture.

System configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci EFRO IP65

Illuminance data

ERO
EFRO IP65

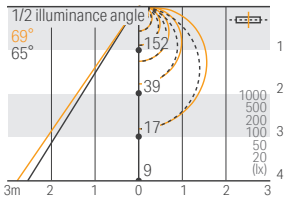
Color temparature

4000K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

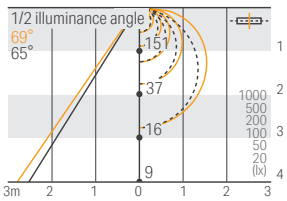
LRO-1142-W-DF-IW

Light source color	4000K
Brightness	152 cd
Luminous flux	802 lm
Color rendering index	Ra 94



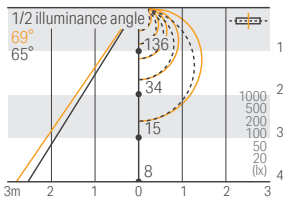
LRO-1142-WW-DF-IW

Light source color	3500K
Brightness	151 cd
Luminous flux	762 lm
Color rendering index	Ra 94



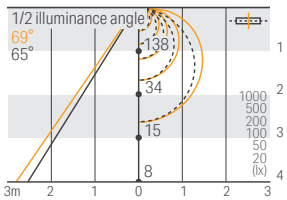
LRO-1142-L30-DF-IW

Light source color	3000K
Brightness	136 cd
Luminous flux	688 lm
Color rendering index	Ra 93



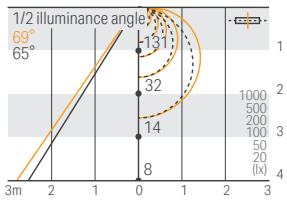
LRO-1142-L27-DF-IW

Light source color	2700K
Brightness	138 cd
Luminous flux	697 lm
Color rendering index	Ra 93

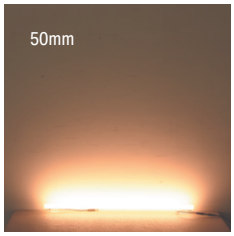


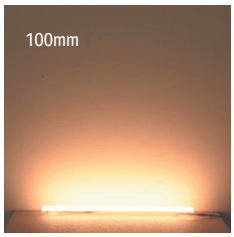
LRO-1142-L24-DF-IW

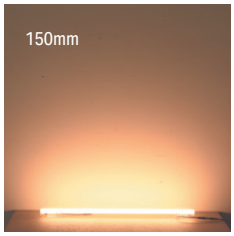
Light source color	2400K
Brightness	131 cd
Luminous flux	662 lm
Color rendering index	Ra 93

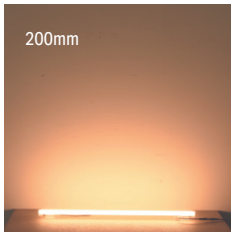


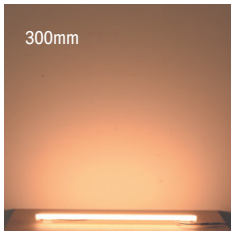
Distance from wall





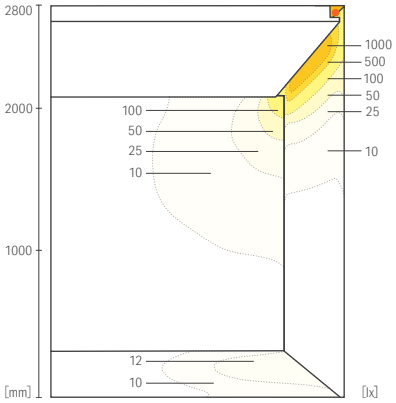


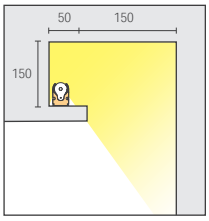




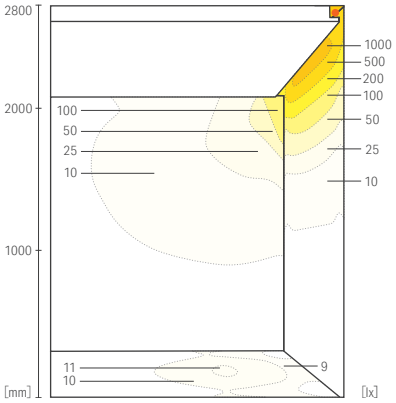
Recommendend dimensions and illumination distribuitions

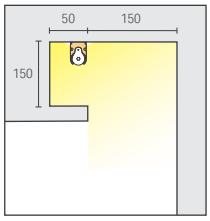
Cornice lighting-1 CH=2800



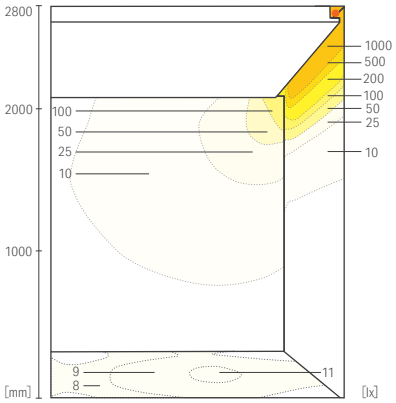


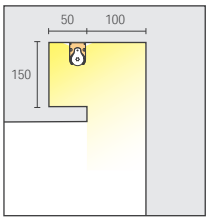
Cornice lighting-2 CH=2800



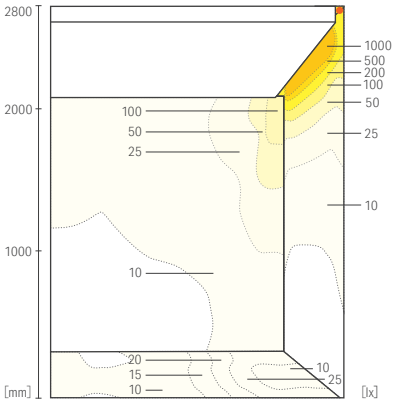


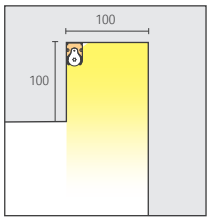
Cornice lighting-3 CH=2800



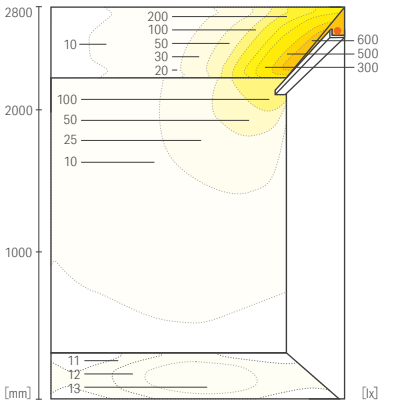


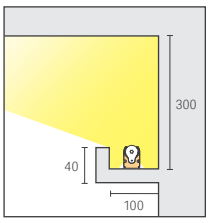
Cornice lighting-4 CH=2800





Cove lighting CH=2800





L-ELA9K2

Power LEDs Line IP65

Small dimension light grazing effect for outdoor.
Unpleasant light scallops and spill, with special extrusion lens
User-friendly with constant voltage, high efficiency,
max. 9m per run connection

Specifications

Dimensions

Cross section W 35 x H 22 mm including clip
Standard length 12 types of fixed length with both/one side cable with IP67 connector

1445 | 1325
1205 | 1085
965 | 845 | 725
605 | 485 | 365 | 245 | 125

Color temperature

4000K | 3500K | 3000K | 2700K

Electrical & Output

Power Consumption (W/m)	19.9
Luminous flux @ 3000K (lm/m)	1876
Efficacy (lm/W)	94.3

Optics

Features

Advanced waterproofing function design

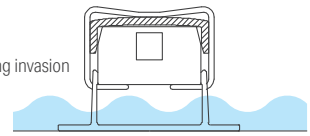
IP67 connector

Line part : Encapsulated by silicon between aluminum heatsink and extrusion lens
End part : Encapsulated by silicon around cable, end cap and silicon bush for cable

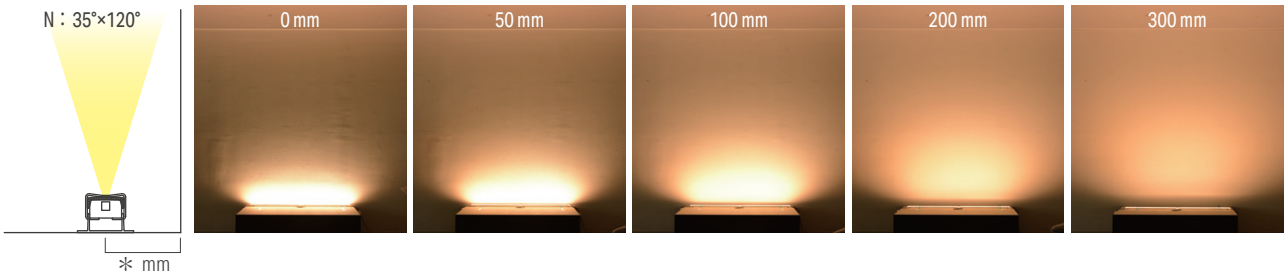
Heatproof fluororesin cable covered with weather resistance cover

Polycarbonate protection cover covered by steel wire

Lifted mounting clip for preventing invasion of rain water



Distance from wall



Application sample

Facade

The Prince Gallery Tokyo Kioicho
Location: JAPAN Architect office: Nikken Sekkei Ltd
Interior design: Rockwell Group, Europe
Lighting design: Lighting Planners Associates
Construction: KAJIMA CORPORATION / TEKKEN CORPORATION / Kumagai Gumi Co.,Ltd. Consortium Photo: TOSHIO KANEKO

Jaipur City Palace
Location: India
Lighting design: Design Matrix

Bathroom

EMPIRE Prestige Causeway Bay
Location: Hong Kong
Client: Asia Standard Hotel Group Ltd.
Interior Design: atelier ikebuchi

Power LEDs Line IP65

L-ELA9K2

Color management
CIE

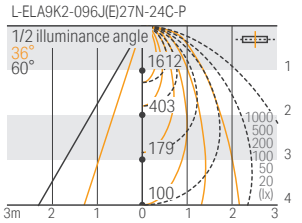
- Narrow beam angle with extrusion lens 35° x 120°
- 12 kinds of length variation
- Max. connectable length: 9m

Model No.

L - ELA9K2 - □□□ □ □ N - 24C - P

Product Name	Length	Lead wire	Light source color	Beam angle
L-ELA9K2	012 / 024 / 036 / 048 / 060 / 072 / 084 / 096 / 108 / 120 / 132 / 144	J : Both ends lead wire E : One end lead wire	40 : 4000K 35 : 3500K 30 : 3000K 27 : 2700K	N : 35° × 120°

Light Intensity Refer to P.227



Specification

Length		048	096	144
Model No.	Both ends lead wire	L-ELA9K2-048J□N-24C-P	L-ELA9K2-096J□N-24C-P	L-ELA9K2-144J□N-24C-P
	One end lead wire	L-ELA9K2-048E□N-24C-P	L-ELA9K2-096E□N-24C-P	L-ELA9K2-144E□N-24C-P
Power consumption		9.6W/485mm	19.2W/965mm	28.8W/1445mm
Fitting length (L)		485mm	965mm	1445mm
Weight		190g(J) / 178g(E)	360g(J) / 341g(E)	530g(J) / 504g(E)
Luminaire efficacy (2700K)		91.6 lm/W	91.6 lm/W	91.9 lm/W
Light source color		○ = Device inventory * = Equivalent		
40 4000K	Ra83	○ 910 lm	○ 1820 lm	○ 2740 lm
35 3500K	Ra83	○ 910 lm	○ 1820 lm	○ 2740 lm
30 3000K	Ra83	○ 910 lm	○ 1810 lm	○ 2720 lm
27 2700K	Ra83	○ 880 lm	○ 1760 lm	○ 2640 lm

Contact us about 5000K since they are made-to-order and have a Minimum Order Quantity.

Size Variation

Length	012	024	036	060	072	084	108	120	132
Power consumption	2.4W	4.8W	7.2W	12.0W	14.4W	16.8W	21.6W	24.0W	26.4W
Lamp fitting length (L)	125mm	245mm	365mm	605mm	725mm	845mm	1085mm	1205mm	1325mm

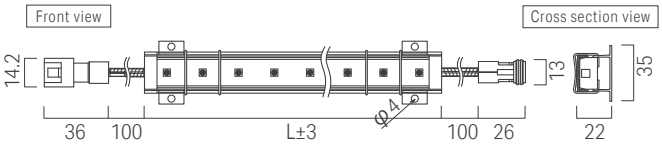
Spec may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

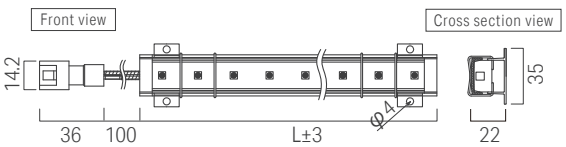
Input voltage	DC24V
Environment	In & Outdoors (no condensation) IP65
Max. sets connectable	9m
Ambient temperature / humidity	-5～40°C, 25～95%RH (no condensation)
Storage temperature / humidity	-15～55°C, 25～85%RH (no condensation)
Material (body)	Aluminium, Polycarbonate
Attachments	-
Option parts	❶ Power supply cable ❷ Joint cable
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required
COO	Japan

External dimensions

Both ends lead wire



One end lead wire

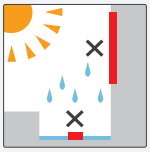


Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
～1.7m	50W power supply
～3.5m	100W power supply
～5.2m	150W power supply

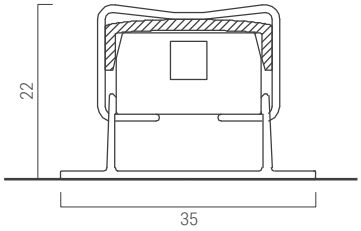
Prohibited installation places:

-direct expose to water / pooling of water
-direct sunlight
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas and public bath
- coastal areas which are affected by sea spray



Caution
Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Cross sectional view

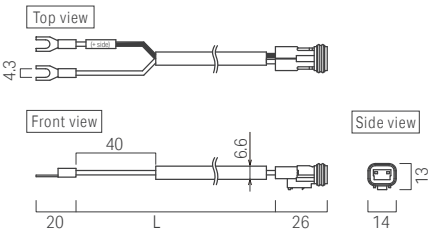


Option parts

❶ Power supply cable EPYC *mm **Required**

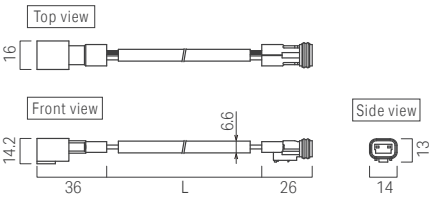
*(Length:mm)	500	1000	2000	4000
Model No.	EPYC220-805-K	EPYC220-810-K	EPYC220-820-K	EPYC220-840-K

Required 1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.
Terminal connector 1pc is attached with Power supply cable.
Please make sure to use it when not connecting both side lead wire type of LED fixture to the next LED fixture.



❷ Joint cable EECC *mm

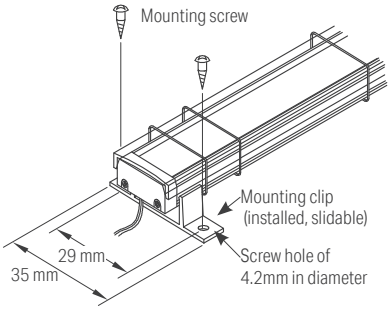
*(Length:mm)	500	1000	2000	4000	6000
Model No.	EECC220-805	EECC220-810	EECC220-820	EECC220-840	EECC220-860



Power LEDs Line IP65

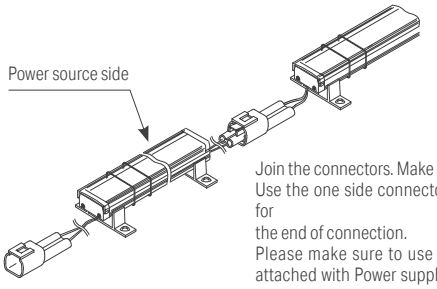
Installing the product

Clip installation



⚠ Cautions

Not suitable to be fixed with a double-sided tape or adhesive.



Join the connectors. Make sure that they are correctly joined.
Use the one side connector product (L-ELA9K2-*E**-24C-P) for
the end of connection.
Please make sure to use the terminal connector which is attached with Power supply cable EPYC220-8**-K, when not connecting both side lead wire type of LED fixture to the next LED fixture.

⚠ Cautions

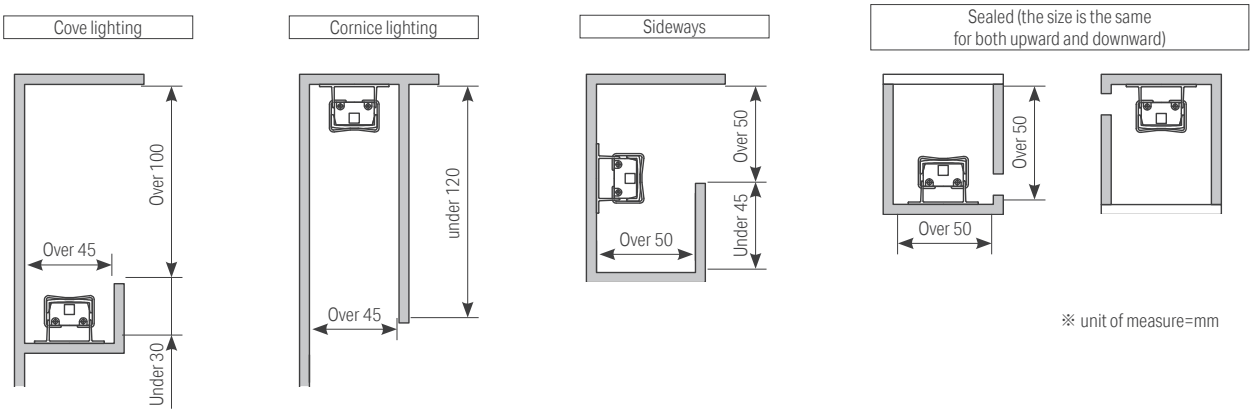
Do not cut off the connectors to use them. The waterproof performance will be lost. In order to avoid the exposure to direct sunlight, hide the connectors behind the lamp, etc.

⚠ Cautions

¥ Make sure that the installation site is flat.
¥ Before the construction, make sure to remove from the installation site any oil content, water drop, dust and so on.
¥ When installing the product downward or in a vertical direction, pay full attention in order to avoid dislocation, damage due to a fall and so on.
¥ Do not scratch or incise the lead wire. The waterproof performance will be lost.
¥ Make sure to insert the connector until it is completely locked. Otherwise it can lead to the lowering of the waterproof performance and contact failure.
¥ Do not remove the spring for fixing the protective cover. Even on the LED, shading of the light is hardly caused.

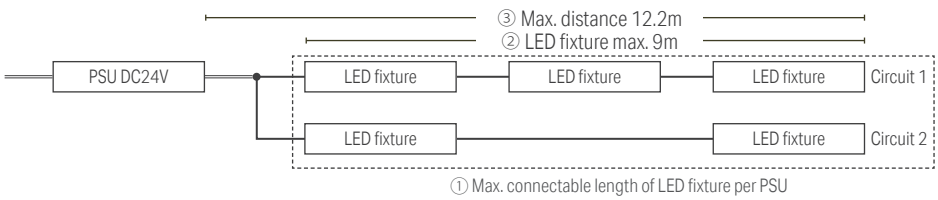
Minimum size for construction

Please keep the following size in order to avoid the temperature increase of the lamp.
Any size that is smaller than the following may shorten the lamp's life.



※ unit of measure=mm

System configuration diagram



① Max. connectable length of LED fixture per PSU

① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Illuminance data

L-ELA9K2
Power LEDs Line IP65

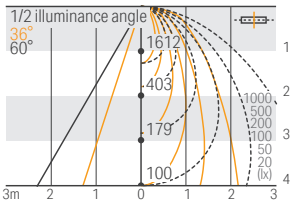
Color temparature

4000K 3500K 3000K 2700K

Direct horizontal surface light intensity distribution chart

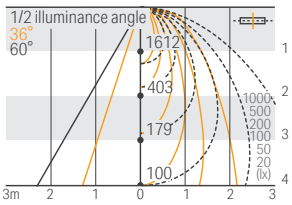
L-ELA9K2-096J(E)40N-24C-P

Light source color	4000K
Brightness	1612 cd
Luminous flux	2000 lm
Color rendering index	Ra 83



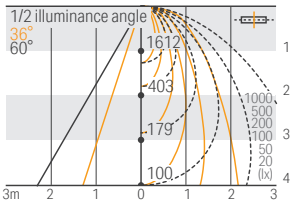
L-ELA9K2-096J(E)35N-24C-P

Light source color	3500K
Brightness	1612 cd
Luminous flux	2000 lm
Color rendering index	Ra 83



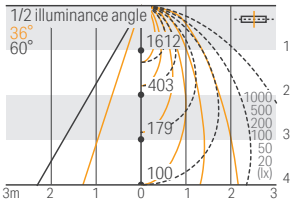
L-ELA9K2-096J(E)30N-24C-P

Light source color	3000K
Brightness	1612 cd
Luminous flux	2000 lm
Color rendering index	Ra 83



L-ELA9K2-096J(E)27N-24C-P

Light source color	2700K
Brightness	1612 cd
Luminous flux	2000 lm
Color rendering index	Ra 83



L-ELS7K1

SPACES Sun House
Hong Kong
Client: Spaces.
Architect office: Shadow Design

LEDs Bar IP65

3 side light emission homogeneous rigid bar.
The low wattage of 7.7 w/m ,780lm/m and high efficiency of 101.3 lm/m
Ideal for concealed lighting
in small installation space at facade and landscape

Specifications

Dimensions

Cross section W 35 x H 22 mm including clip
Standard length 12 types of fixed length with both/one side cable with IP67 connector

1445	1325					
1205	1085					
965	845	725				
605	485	365	245	125		

Color temperature

4000K | 3500K | 3000K | 2700K

Electrical & Output

Power Consumption (W/m)	7.9
Luminous flux @ 3000K (lm/m)	804
Efficacy (lm/W)	102.6

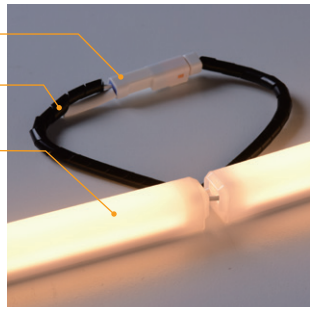
Features

Advanced waterproofing function design

IP67 connector (Japanese brand)

Heatproof fluororesin cable covered with weather resistance

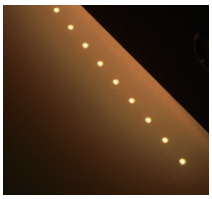
Cylindrical extruded polycarbonate diffused cover. Encapsulated by silicon around cable and Polycarbonate end cap.



Smooth light by dotless, three-sided emission

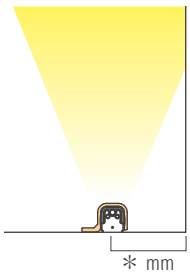
The LEDs bar is ideal for under the bench/steps in landscape. In particular, it is recommended when the surface to be irradiated is a glossy material. You don't need to make any fascia to ease the dots, and you don't need to worry about the poor lighting effects caused by LED strips dropping from the aluminium profile.

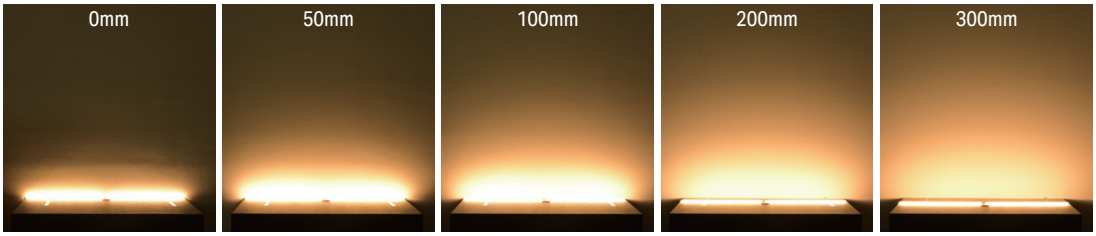
Strip light



Dot-free type

Distance from wall



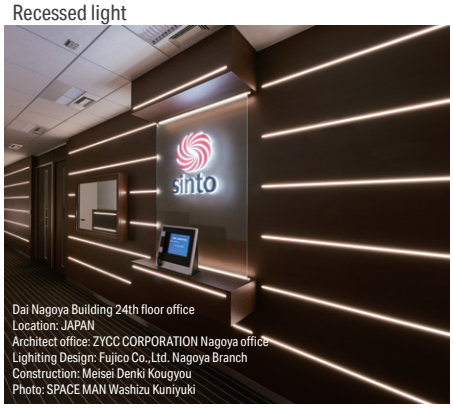


Application sample

Indirect light for outdoor

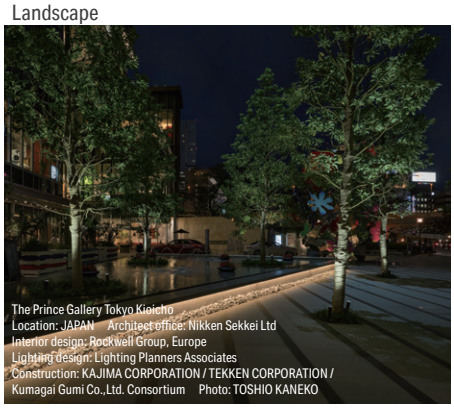
Azumaen
Location: JAPAN
Architect office: GOSiZE Co.,Ltd.
Construction: Tanigawa Construction Campany Co.,Ltd.
Photo: GOSiZE Co.,Ltd.

Recessed light



Dai Nagoya Building 24th floor office
Location: JAPAN
Architect office: ZYCC CORPORATION Nagoya office
Lighiting Design: Fujico Co.,Ltd. Nagoya Branch
Construction: Meisei Denki Kougyou
Photo: SPACE MAN Washizu Kuniyuki

Landscape


The Prince Gallery Tokyo Kioicho
Location: JAPAN Architect office: Nikken Sekkei Ltd
Interior design: Rockwell Group, Europe
Lighting design: Lighting Planners Associates
Construction: KAJIMA CORPORATION / TEKKEN CORPORATION / Kumagai Gumi Co.,Ltd. Consortium Photo: TOSHIO KANEKO

LEDs Bar IP65

L-ELS7K1

Color management
MacAdam 3 step

- Homogeneous linear light with 3 side surface-emission
- High-efficiency lighting; >100 lm/W
- Small section size 13.2 x 13.6 mm

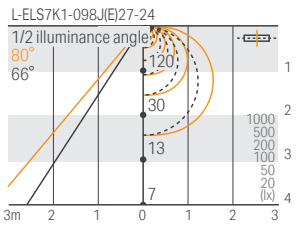
Model No.

L - ELS7K1 - □□□ □ □ - 24C

Product Name	Length	Lead wire	Light source color
L-ELS7K1	014 026 038 050 062 074 086 098 110 122 134 146	J : Both ends lead wire E : One end lead wire	40 : 4000K 35 : 3500K 30 : 3000K 27 : 2700K

Light Intensity

Refer to P.233



Specification

Length		050	098	144
Model No.	Both ends lead wire	L-ELS7K1-050J□□-24C-P	L-ELS7K1-098J□□-24C-P	L-ELS7K1-144J□□-24C-P
	One end lead wire	L-ELS7K1-050E□□-24C-P	L-ELS7K1-098E□□-24C-P	L-ELS7K1-144E□□-24C-P
Power consumption		3.9W/503mm	7.7W/983mm	11.6W/1463mm
Fitting length (L)		503mm	983mm	1463mm
Weight		55g(J) / 53g(E)	95g(J) / 93g(E)	135g(J) / 133g(E)
Luminaire efficacy (2700K)		100.0 lm/W	101.3 lm/W	100.0 lm/W
Light source color		○ = Device inventory * = Equivalent		
40 4000K	Ra82	○ 430 lm	○ 850 lm	○ 1280 lm
35 3500K	Ra82	○ 400 lm	○ 810 lm	○ 1210 lm
30 3000K	Ra82	○ 400 lm	○ 790 lm	○ 1190 lm
27 2700K	Ra82	○ 390 lm	○ 780 lm	○ 1160 lm

Contact us about 5000K since they are made-to-order and have a Minimum Order Quantity.

Size Variation

Length	014	026	038	062	074	086	110	122	134
Power consumption	1.0W	2.0W	2.9W	4.8W	5.8W	6.8W	8.7W	9.6W	10.6W
Lamp fitting length (L)	143mm	263mm	383mm	623mm	743mm	863mm	1103mm	1223mm	1343mm

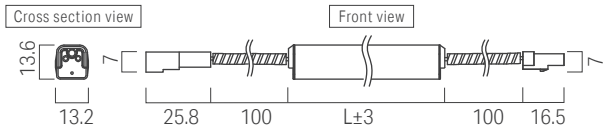
Spec may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

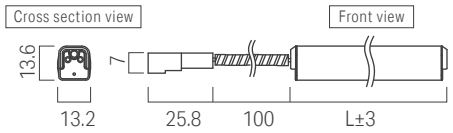
Input voltage	DC24V
Environment	In & Outdoors (no condensation) IP65
Max. sets connectable	9m
Ambient temperature / humidity	-5～40℃, 25～95%RH（no condensation）
Storage temperature / humidity	-15～55℃, 25～85%RH（no condensation）
Material (body)	Polycarbonate
Attachments	Mounting clip
Option parts	❶❷Mounting clip ❸Power supply cable ❹Joint cable
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required
COO	Japan

External dimensions

Both ends lead wire



One end lead wire



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
～4.4m	50W power supply
～8.8m*	100W power supply
～13.2m*	150W power supply

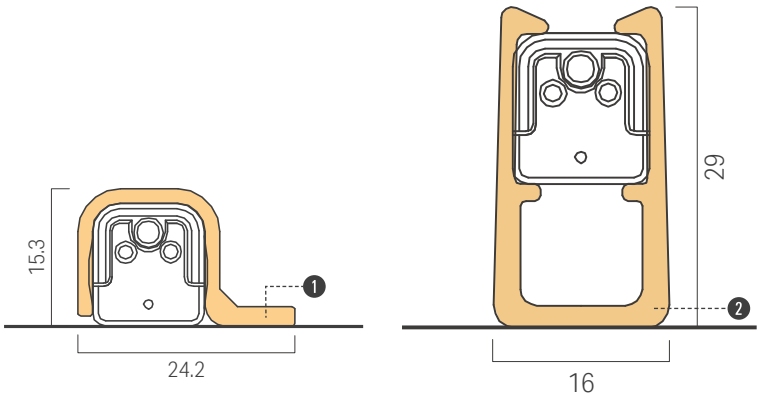
Prohibited installation places:

- direct expose to water / pooling of water
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas and public bath
- coastal areas which are affected by sea spray

Caution:

Do not cut the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Cross sectional view



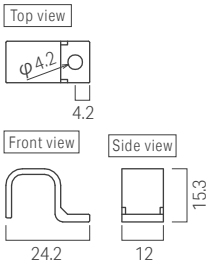
Option parts

1 Mounting clip for LEDs Bar IP65 **Attachment**

Model No : ELS7K-FS

Attached with LED fixture
2 pcs for 143mm to 383mm
3 pcs for 503mm to 863mm
5 pcs for 983mm to 1463mm

For extra order, 2 pcs / bag

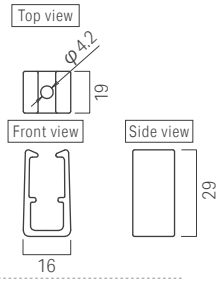


2 Lift clip for LEDs Bar IP65

Model No : ELS7K-FH

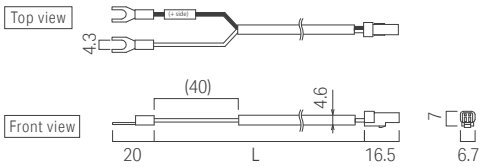
2 pcs / bag

Recommended number
2 pcs for 143mm to 383mm
3 pcs for 503mm to 863mm
5 pcs for 983mm to 1463mm



3 Power supply cable EPYJ *mm **Required**

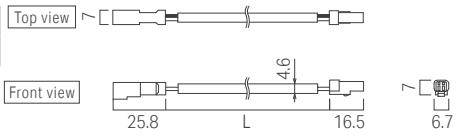
*(Length:mm)	500	1000	2000	4000
Model No.	EPYJ220-305-K	EPYJ220-310-K	EPYJ220-320-K	EPYJ220-340-K



⚠ Check the label on the DC + side for polarity.

4 Joint cable EEJJ *mm

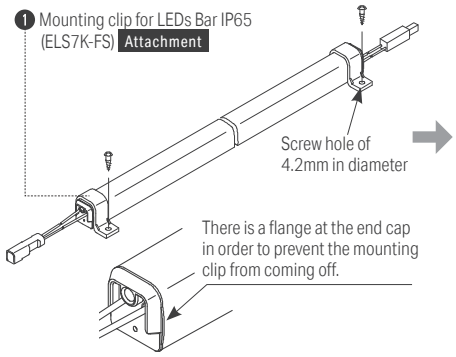
*(Length:mm)	500	1000	2000	4000	6000
Model No.	EEJJ220-305	EEJJ220-310	EEJJ220-320	EEJJ220-340	EEJJ220-360



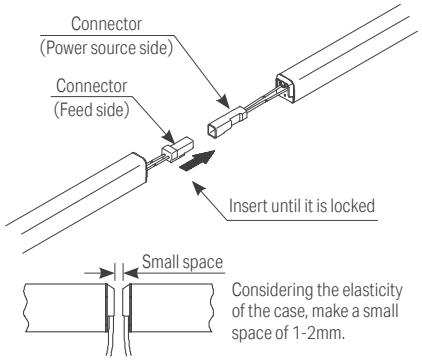
LEDs Bar IP65

Installing the product

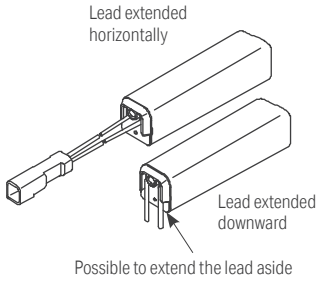
Clip installation



Fix the lamp on the installation site with the attached Mounting clips and screws (round head screw M3.1 x 16).



Join the connectors. Make sure that they are correctly joined. Use the one side connector product (L-ELS7K1-xxxE*-24) for the end of connection.



Place the lead towards the direction according to each usage.

⚠ Cautions

Not suitable to be fixed with a double-sided tape or adhesive.

⚠ Cautions

Do not cut off the connectors to use them. The waterproof performance will be lost.

⚠ Cautions

In order to avoid the exposure to direct sunlight, hide the connectors behind the lamp, etc.

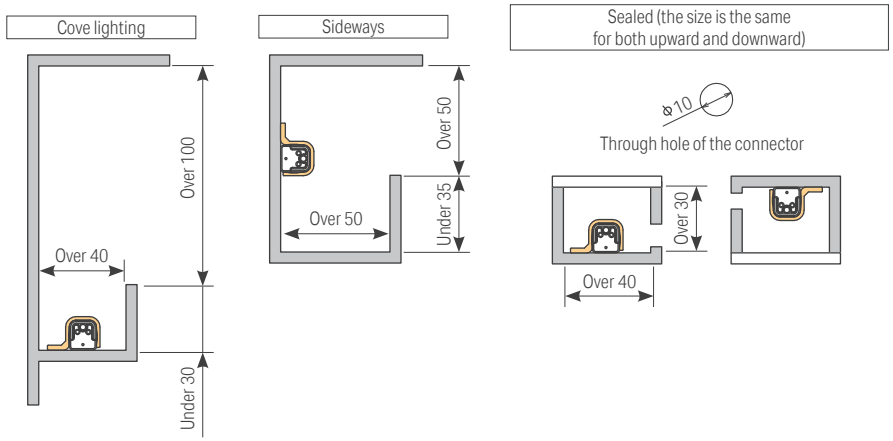
⚠ Cautions

- Make sure that the installation site is flat.
- Before the construction, make sure to remove from the installation site any oil content, water drop, dust and so on.
- When installing the product downward or in a vertical direction, pay full attention in order to avoid dislocation, damage due to a fall and so on.
- Do not scratch or incise the lead wire. The waterproof performance will be lost.
- Make sure to insert the connector until it is completely locked. Otherwise it can lead to the lowering of the waterproof performance and contact failure.

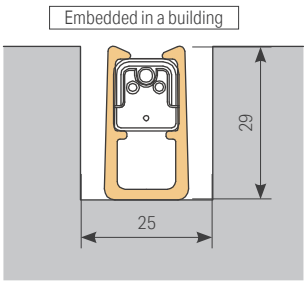
Minimum size for construction

Please keep the following size in order to avoid the temperature increase of the lamp.
Any size that is smaller than the following may shorten the lamp's life.

1 Mounting clip for LEDs Bar IP65

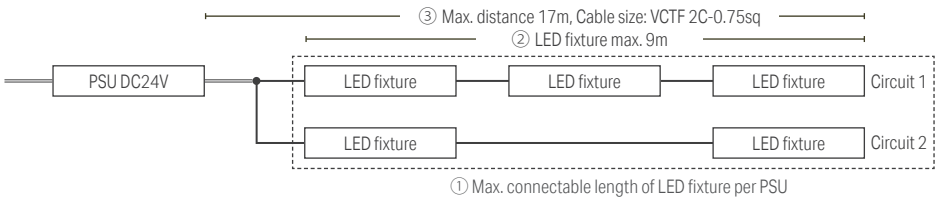


2 Lift clip for LEDs Bar IP65



※ unit of measure=mm

Ststem configuration diagram



① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Illuminance data

L-ELS7K1
LEDs Bar IP65

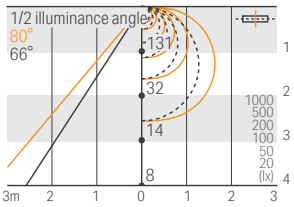
Color temparature

4000K 3500K 3000K 2700K

Direct horizontal surface light intensity distribution chart

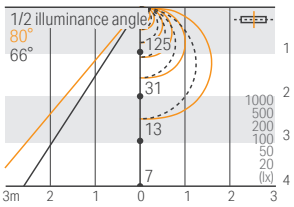
L-ELS7K1-098J(E)40-24

Light source color	4200K
Brightness	131 cd
Luminous flux	850 lm
Color rendering index	Ra 82



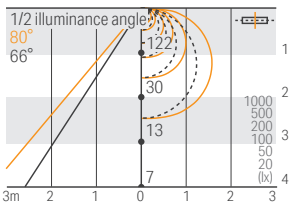
L-ELS7K1-098J(E)35-24

Light source color	3500K
Brightness	125 cd
Luminous flux	810 lm
Color rendering index	Ra 82



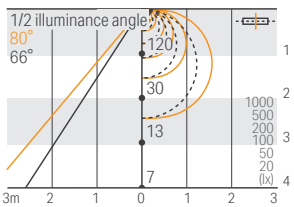
L-ELS7K1-098J(E)30-24

Light source color	3000K
Brightness	122 cd
Luminous flux	790 lm
Color rendering index	Ra 82



L-ELS7K1-098J(E)27-24

Light source color	2700K
Brightness	120 cd
Luminous flux	780 lm
Color rendering index	Ra 82



L-ELR9K2

Sapporo PARCO
Location: JAPAN

LEDs Line IP67

Low wattage 7.8W/m, 1000 lm/m,
high efficiency 127 lm/m semi-diffused linear
Ideal for exposed or concealed lighting
for façade and landscape application

Specifications

Dimensions

Cross section W 34 x H 13.6 mm including clip
Standard length 12 types of fixed length with both/one side cable with IP67 connector

1460 | 1340
1220 | 1100
980 | 860 | 740
620 | 500 | 380 | 260 | 140

Color temperature

4000K | 3500K | 3000K | 2700K

Electrical & Output

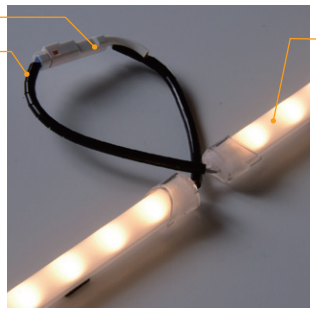
Power Consumption (W/m)	7.8
Luminous flux @ 3000K (lm/m)	1000
Efficacy (lm/W)	127.3

Features

Advanced waterproofing function design

IP67 connector (Japanese brand)

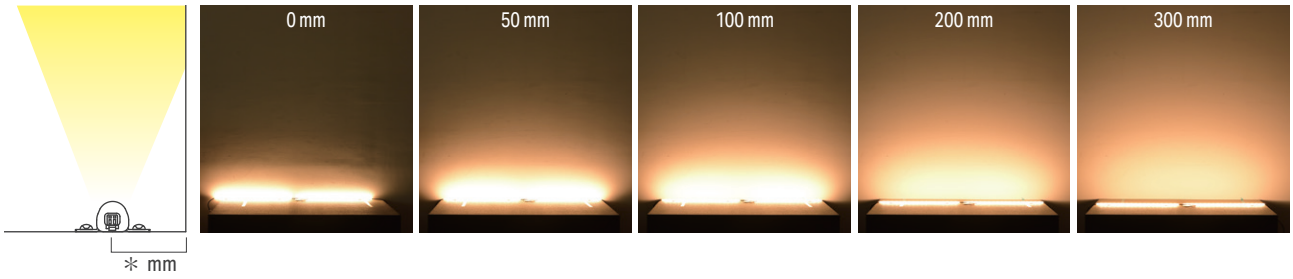
Heatproof fluororesin cable covered with weather resistance



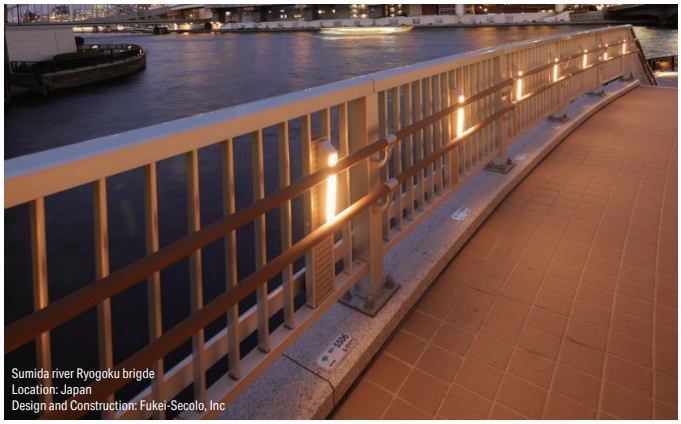
Cylindrical extruded polycarbonate semi-diffused cover

Three step protection structure
- Double polycarbonate end cap
- Encapsulated by silicon around cable and polycarbonate end cap
- Silicon O ring for cable

Comparison of the distance from wall

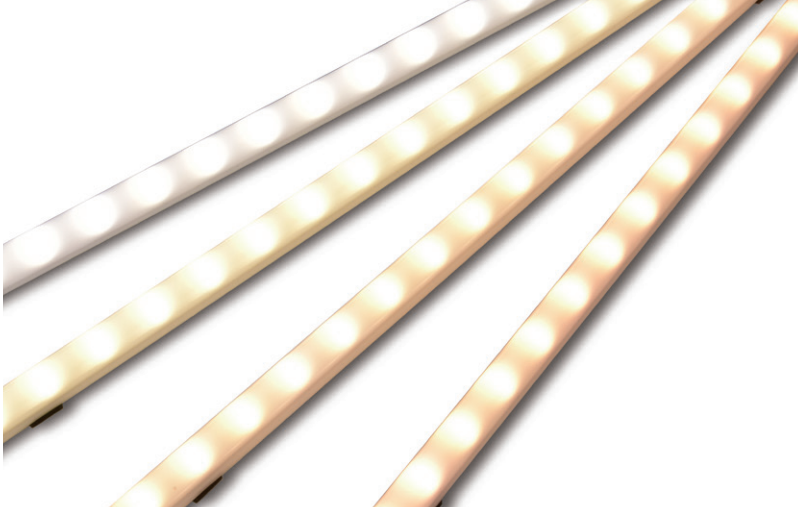


Application sample


Sumida river Ryogoku brigde
Location: Japan
Design and Construction: Fukei-Secolo, Inc

Pacific Royal Court Minato Mirai
Location: JAPAN

L-ELR9K2



Color management
CIE

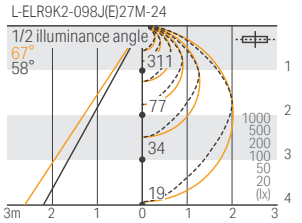
- IP67 linear light with semi diffused cover
- High-efficiency lighting; >100 lm/W
- Small section size 14.6 x 13.8 mm

Model No.

L - ELR9K2 - □□□ □ □ M - 24

Product Name	Length	Lead wire	Light source color
L-ELR9K2	014 026 038 050 062 074 086 098 110 122 134 146	J : Both ends lead wire E : One end lead wire	40 : 4000K 35 : 3500K 30 : 3000K 27 : 2700K

Light Intensity Refer to P.239



Specification

Length		050	098	146
Model No.	Both ends lead wire	L-ELR9K2-050J□M-24	L-ELR9K2-098J□M-24	L-ELR9K2-146J□M-24
	One end lead wire	L-ELR9K2-050E□M-24	L-ELR9K2-098E□M-24	L-ELR9K2-146E□M-24
Power consumption		3.9W/500mm	7.7W/980mm	11.6W/1460mm
Fitting length (L)		500mm	980mm	1460mm
Weight		48g(J) / 47g(E)	82g(J) / 81g(E)	134g(J) / 133g(E)
Luminaire efficacy (2700K)		117.9 lm/W	121.5 lm/W	120 lm/W
Light source color		○ = Device inventory * = Equivalent		
40	4000K Ra83	○ 480 lm	○ 960 lm	○ 1440 lm
35	3500K Ra83	○ 480 lm	○ 960 lm	○ 1440 lm
30	3000K Ra83	○ 480 lm	○ 960 lm	○ 1440 lm
27	2700K Ra83	○ 460 lm	○ 930 lm	○ 1390 lm

Contact us about 5000K since they are made-to-order and have a Minimum Order Quantity.

Size Variation

Length	014	026	038	062	074	086	110	122	134
Power consumption	1.0W	2.0W	2.9W	4.8W	5.8W	6.8W	8.7W	9.6W	10.6W
Lamp fitting length (L)	140mm	260mm	380mm	620mm	740mm	860mm	1100mm	1220mm	1340mm

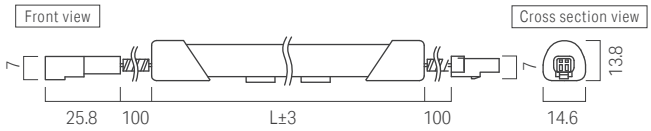
Spec may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

General Specification

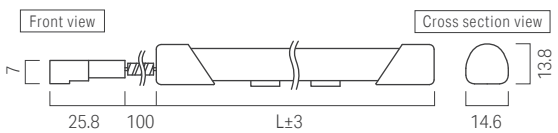
Input voltage	DC24V
Environment	In & Outdoors (no condensation) IP65
Max. sets connectable	9m
Ambient temperature / humidity	-5～50℃, 25～95%RH (no condensation)
Storage temperature / humidity	-25～55℃, 25～85%RH (no condensation)
Material (body)	Polycarbonate
Attachments	Clip
Option parts	❶ Clip ❷ Power supply cable ❸ Joint cable
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required
COO	Japan

External dimensions

Both ends lead wire



One end lead wire



Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
～4.4m	50W power supply
～8.8m*	100W power supply
～13.2m*	150W power supply

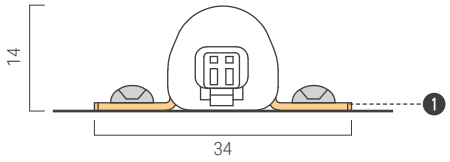
Prohibited installation places:

- direct expose to water / pooling of water
- liquids including chroline or chemicals
- high temperature and high humidity such as saunas and public bath
- coastal areas which are affected by sea spray

Caution:

Do not cut the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Cross sectional view



Option parts

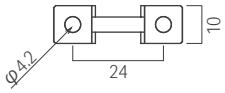
1 SUS Mounting clip for LEDs Line IP67 **Attachment**

Model No : ELR9K-FS-MA
2 pcs / bag

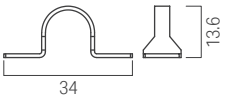
Recommended number
2 pcs for 140mm to 380mm
3 pcs for 500mm to 860mm
5 pcs for 980mm to 1460mm

For extra order, 2 pcs/bag

Top view



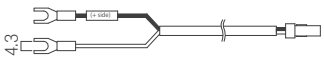
Side view



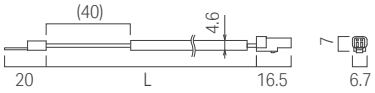
2 Power supply cable EPYJ *mm **Required**

*(Length:mm)	500	1000	2000	4000
Model No.	EPYJ220-305-K	EPYJ220-310-K	EPYJ220-320-K	EPYJ220-340-K

Top view



Front view

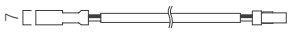


⚠ Check the label on the DC + side for polarity.

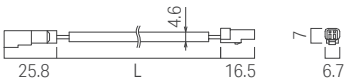
3 Joint cable EEJJ *mm

*(Length:mm)	500	1000	2000	4000	6000
Model No.	EEJJ220-305	EEJJ220-310	EEJJ220-320	EEJJ220-340	EEJJ220-360

Top view



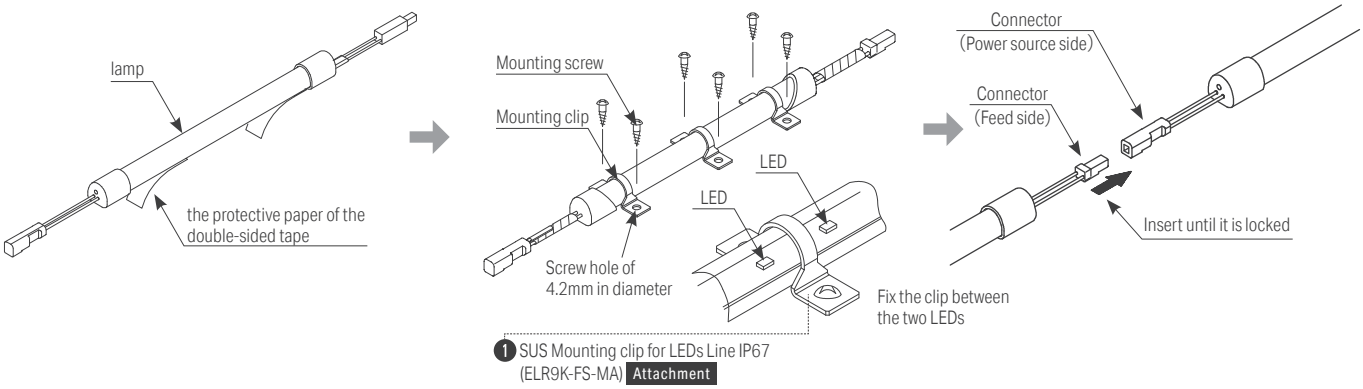
Front view



LEDs Line IP67

Installing the product

Clip installation



1 SUS Mounting clip for LEDs Line IP67 (ELR9K-FS-MA) Attachment

Remove the protective paper of the double-sided tape and temporarily fix the lamp to the installation site.

Fix the lamp on the installation site with the attached Mounting clips and screws (round head screw M3.1 x 16).

Join the connectors. Make sure that they are correctly joined. Use the one side connector product (L-ELR*K2-xxxE*M-24) for the end of connection.

⚠ Cautions

Not suitable to be fixed with a double-sided tape or adhesive.

⚠ Cautions

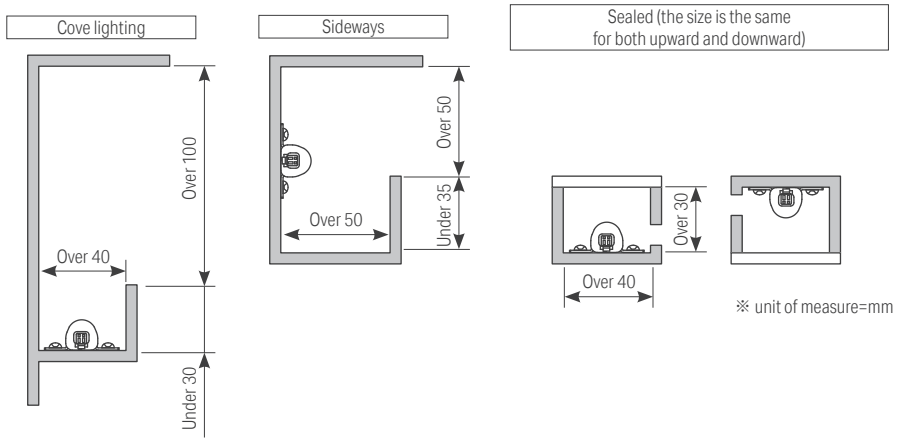
Do not cut off the connectors to use them. The waterproof performance will be lost. In order to avoid the exposure to direct sunlight, hide the connectors behind the lamp, etc.

⚠ Cautions

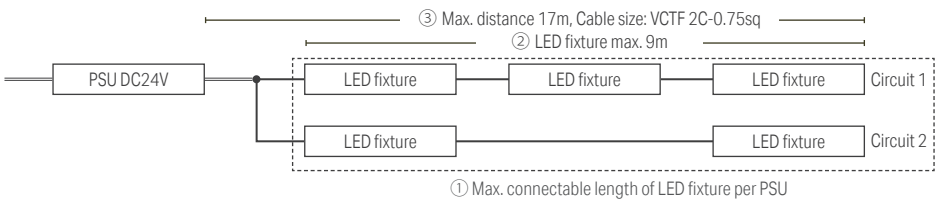
- Make sure that the installation site is flat.
- Before the construction, make sure to remove from the installation site any oil content, water drop, dust and so on.
- When installing the product downward or in a vertical direction, pay full attention in order to avoid dislocation, damage due to a fall and so on.
- Do not scratch or incise the lead wire. The waterproof performance will be lost.
- Make sure to insert the connector until it is completely locked. Otherwise it can lead to the lowering of the waterproof performance and contact failure.

Minimum size for construction

Please keep the following size in order to avoid the temperature increase of the lamp.
Any size that is smaller than the following may shorten the lamp's life.



System configuration diagram

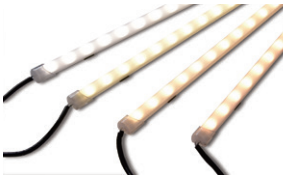


① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)

② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.

③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Illuminance data



ELR9K2
LEDs Line IP67

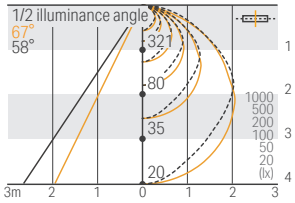
Color temparature

4000K 3500K 3000K 2700K

Direct horizontal surface light intensity distribution chart

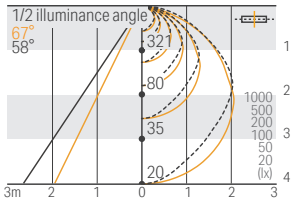
L-ELR9K2-098J(E)40M-24

Light source color	4000K
Brightness	321 cd
Luminous flux	960 lm
Color rendering index	Ra 83



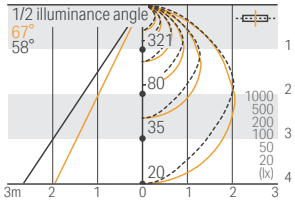
L-ELR9K2-098J(E)35M-24

Light source color	3500K
Brightness	321 cd
Luminous flux	960 lm
Color rendering index	Ra 83



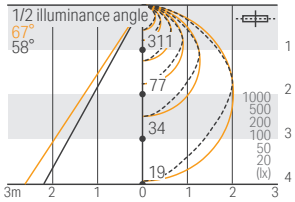
L-ELR9K2-098J(E)30M-24

Light source color	3000K
Brightness	321 cd
Luminous flux	960 lm
Color rendering index	Ra 83



L-ELR9K2-098J(E)27M-24

Light source color	2700K
Brightness	311 cd
Luminous flux	930 lm
Color rendering index	Ra 83



Dimmer

Dimmable driver list

Product to be dimmed	Number of channel	Dimmable Driver						Compatible Dimmer Controller
		Driver type	Input	Dimming signal type	IP rated	Model Number	Page	
DC24V single color series	1ch	C.V	DC	DMX	-	PX0408	P.241	-
				DALI	-	DALI6010	P.241	-
				0-10V/1-10V	-	DIM-S1L10V-0	P.242	Walldim 103E1
			AC	0-10V	IP67	PWM-120-24	P.243	-
DC24V Dynamic white series	2ch		DC	0-10V/1-10V	-	DIM-S2L8V-0	P.244	Walldim 22
Vivoxy Graze	1ch	C.C	AC	0-10V	IP67	HVGC-*-*B	P.245	-
VIVOXY Graze THOF	2ch	C.C	AC	0-10V	IP67	HVGC-*-*-B	P.245	

Connectable length per dimmerble driver

			PX0408 (8A x 4ch) - use 1ch only DALI6010 (10A x 1ch) DIM-S1L10V-0 (10A x 1ch)		PWM-120-24	
			*connectable up to 3.75A, when using 150W DC24V PSU as 60% load factor		*connect up to 108W as 90% load	
Model No.	Output (W/m)	Max. length per circuit (m)	Connectable length per one driver (m)	W (VA)	Connectable length per one driver (m)	W (VA)
LFU or LFUA -T1000WS-*-DF-I/O-15	15.8	10	5.6	88.5	6.8	107.4
LFU or LFUA -T1000WS-*-DF-I/O-12	12.6	10	7.5	90	9	108
LFU or LFUA -T1000WS-*-DF-I/O-8	8.4	10	11.2	89.6	13.5*	108
LFPEX15-T1000W-*-CL-I/O	18.2	5.0 m (I), 3.5 m(O)	4.9	89.2	5.9*	107.4
LFPEX20-T1000W-*-CL-I/O	12.1	5	7.4	89.5	8.9*	107.7
LFPEX30-T1000W-*-CL-I/O-9	9.5	5	9.4*	89.3	11.3*	107.4
LFPEX30-T1000W-*-CL-I/O-6	6.5	5	13.8*	89.7	16.6*	107.9
LFPEX30-T1000W-*-CL-I/O-4	4.5	5	20*	90	24*	108
LFPSC20-1000-*-CL-I	14.2	5	6.3*	89.5	7.6*	108
LFP15-T0900W-*-CL-I/O	15.4	4.5	5.8*	89.3	7*	107.8
LFP20-T1000W-*-CL-I/O	10.5	5	8.5*	89.3	10.2*	107.1
LFTF10 or LFTXF10-T1000W-*-CL-I/O	3.9	5	23*	89.7	27.6*	107.6
LFPA20-0960-*-CL-I	10.4	5	8.6*	89.4	10.3*	107.1
LRE-1003-*DF-I	31.2	3.3	2.8	87.4	3.4*	106.1
LCEL or LCEF-0880-*-DF-I	20.6	5	4.3	88.6	5.2*	107.1
LSWK or LSXK-1008-*-DF-I-13	13.1	6	6.8	89.1	8.2*	107.4
LSWK or LSXK-1008-*-DF-I-8	8.1	6	11.1*	89.9	13.3*	107.7
LSWK or LSXK-1008-*-DF-I-4	4.3	6	20.9*	89.9	25.1*	107.9
LNL-0980-*DF-I	7.2	5	12.5*	90	15*	108
LVF40-1000W-*-*-O-24-*	24	5	3.75	90	4.5	108
LVF40-1000W-*-*-O-16-*	16	5	5.6*	89.6	6.75*	108
LFUS-T1000WS-L27-DF-O	5.1	5	17.6*	89.8	21.1*	107.6
LRO-1142-*-DF-IW	8.4	4.5	10.7*	89.9	12.8*	107.5
L-ELA9K2-096***-24C-P	19.2	9	4.6	88.3	5.6*	107.5
L-ELS7K1-098***-24	7.7	9	11.6*	89.3	14*	107.8
L-ELR9K2-098***-M-24	7.7	9	11.6*	89.3	14*	107.8

*Split into multiple circuit

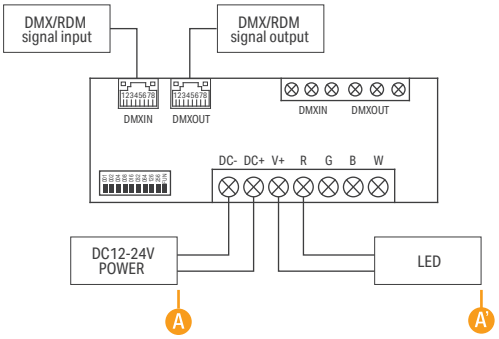
For DC24V single color series	PX0408	Constant Voltage - Dimmable driver (DC input) - 4ch	DMX Driver 8A x 4ch Dimmable driver (DC input) EUCHIPS	EUCHIPS

- Meets DMX512/1990,RDM /2009 protocol
- Constant voltage output, the maximum current of 8A /ch for RGBW decoder
- 256 grade brightness adjustment
- Short-circuit protection,overload protection,over-temperature protection
- In DMX mode set the DMX address manually by switch;
  in RDM mode, the host computer address allocation

Specification

Product name	DMX Driver 8A*4ch
Model number	PX0408
Input voltage	12V - 24V
Output channel	4ch * 8A
Size	140*50*26 (mm)
Weight	240 g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temprature	-20℃ ~ 50℃

Wiring Diagram



Maximum wiring distance from A-A' depends on LED fixture. Please refer to manuals of each product. Please check the maximum of connectable LED length in one series referring to the catalog page of each product. When the LED total length exceeds the maximum length in series, please connect by separating into several circuit. Twist shield cable is recommended to use as a signal cable.

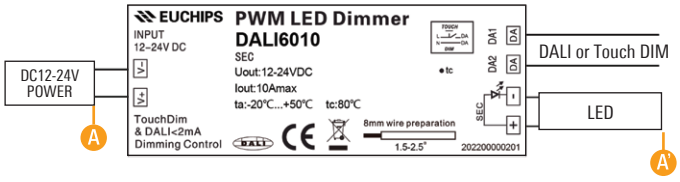
For DC24V single color series	DALI6010	Constant Voltage - Dimmable driver (DC input) - 1ch	DALI Driver 10A x 1ch	EUCHIPS

- Single channel constant voltage output ,10A
- Meet DALI protocol IEC 62386
- Dimming range from 0.1-100%
- PWM digital dimming, no alter LED color rendering index
- Suitable for indoor LED lighting application
- Protections: Short circuit, over load, over temperature

Specification

Product name	DALI Driver 10A*1ch
Model number	DALI6010
Input voltage	12V - 24V
Output channel	1ch 10A
Size	168*39*30(mm)
Weight	124g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temprature	-20℃~ 50℃

Wiring Diagram



Maximum wiring distance from A - A' is 10m/20m.Please refer to manuals of each product. Please check the maximum of connectable LED length in one series referring to the catalog page of each product.
When the LED total length exceeds the maximum length in series, please connect by separating into several circuit.
Twist shield cable is recommended to use as a signal cable.

* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver. The specification may be subject to change without prior notice.

Dimmer

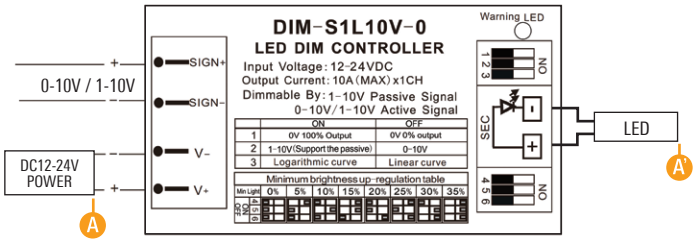
For DC24V single color series	DIM-S1L10V-0	Constant Voltage - Dimmable driver (DC input) - 1ch	0-10V/1-10V Driver 10A x 1ch	EUCHIPS

- Analog Signal driver,receive 0-10V/1-10V dimsingal.
- 1channel output,MAX 10A per 1ch.*Connectable 80% load=8A of LED
- Over-temperature protection

Specification

Product name	Dimmer Driver 0-10V/1-10V
Model number	DIM-S1L10V-0
Input voltage	DC12~24V
Output channel	1ch MAX 10A per 1channel
Size	175 × 56 × 28(mm)
Weight	-
Usage enviroment	Indoors (no condensation)
Oparating enviroment temprature	-

Wiring Diagram



Maximum wiring distance from (A) - (A') is 10m/20m.Please refer to manuals of each product. Please check the maximum of connectable LED length in one series referring to the catalog page of each product.
When the LED total length exceeds the maximum length in series, please connect by separating into several circuit.
Twist shield cable is recommended to use as a signal cable.

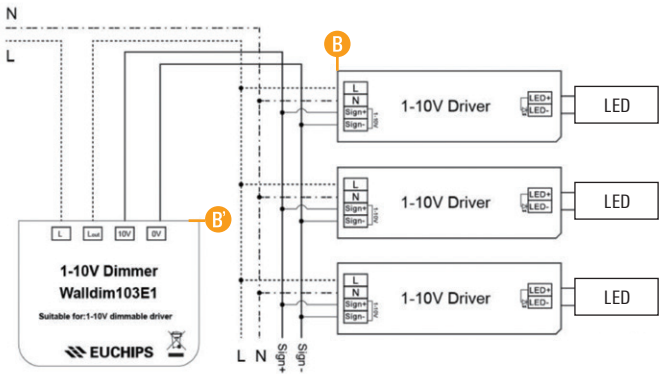
For single color series	Walldim 103E1	Dimmer controller - 1ch	1-10V Dimmer Controller	EUCHIPS

- Analog Signal driver,receive 1-10V dimsingal.

Specification

Product name	1-10V dimmer
Model number	Walldim 103E1
Input voltage	200 - 240V
Output channel	1ch 10A
Size	86*86*42(mm)
Weight	140g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temprature	-10℃ ~ 55℃

Wiring Diagram



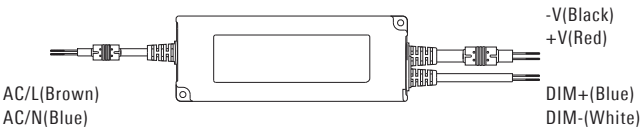
Maximum wiring distance from (B) - (B') is 20m.
Please check the maximum of connectable LED length in one series referring to the catalog page of each product. When the LED total length exceeds the maximum length in series, please connect by separating into several circuit.
Twist shield cable is recommended to use as a signal cable.

* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver. The specification may be subject to change without prior notice.

For DC24V single color series	PWM-120-24	Constant Voltage - Dimmable driver (AC input) - 1ch	Dimmable power supply IP67	Meanwell

- DC 24V constant volage dimmable power supply
- IP67 waterproof
- 3 in 1 dimming function 0-10V, PWM, resistance

Wiring Diagram



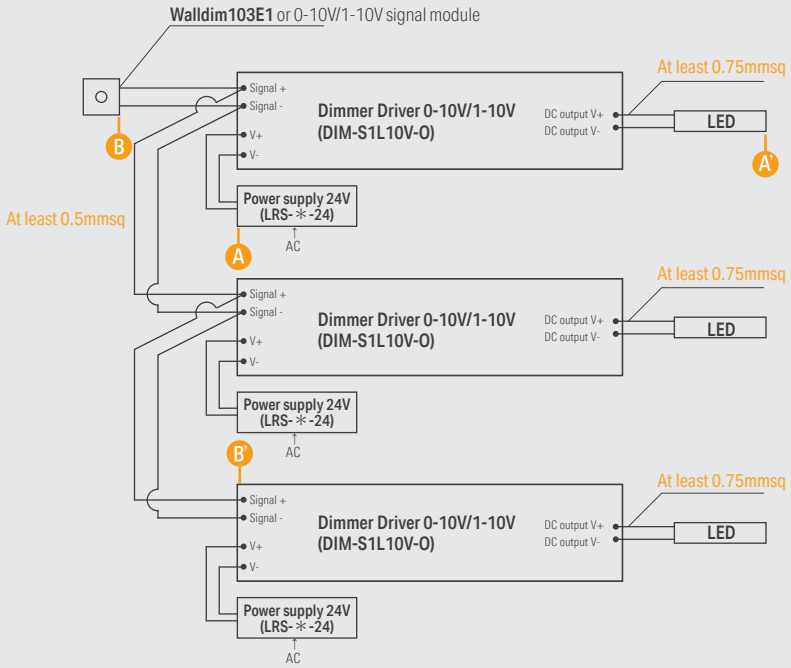
Specification

Product name	120W PWM 24V dimmable driver
Model number	PWM-120-24
Input voltage	90 - 305 VAC
Output channel	24V 5A
Size	191*63*37.5(mm)
Weight	100g
IP rating	67
Oparating enviroment temprature	-45℃ ~ 90℃

Twist shield cable is recommended to use as a signal cable.

- Dimmed manually by Walldim103E1 or Dimmed with Control System.

Cables → Supplied by the installer



Maximum wiring distance from A power supply to A' end of LED fixture is 10~20m,
please refer to the specification page of each product..

Maximum diming signal wiring distance from B to B' is 20m,
connectable up to 20 pcs of DIM-S1L10V-0 in one dimming circuit

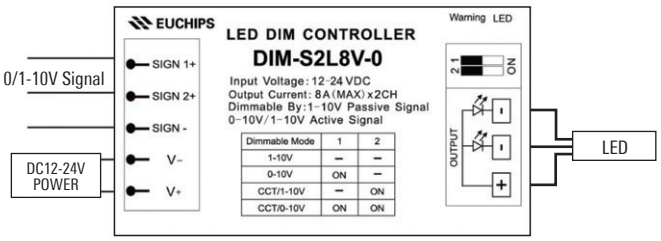
Please check the maximum of connectable LED length in one series referring to the catalog page of each product.
When the LED total length exceeds the maximum length in series, please connect by separating into several circuit.

Dimmer

For DC24V Dynamic white series	DIM-S2L8V-0	Constant Voltage - Dimmable driver (DC input) - 2ch	0-10V/1-10V Driver 8A, 2ch	EUCHIPS

- Support 3-in-1 dimming function(0-10V /1-10V active signal, Adjustable resistance, PWM)
- Support dimming mode selectionc
- Support the short circuit, over current protection and alarm functionc
- Logarithmic dimming curve
- Built-in CCT adjust mode, the user can adjust color temperature without changing the output power
- For adjusting the brightness/ color temperature of LED strip

Wiring Diagram



Twist shield cable is recommended to use as a signal cable.

Specification

Product name	Dimmer Driver 2ch 0-10V/1-10V
Model number	DIM-S2L8V-0
Input voltage	12V - 24V
Output channel	2ch total 8A
Size	167*51*23(mm)
Weight	100g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temprature	-

Connectable length per dimmerble driver (DIM-S2L8V)

ex. when using 150W PSU, 60% load factor

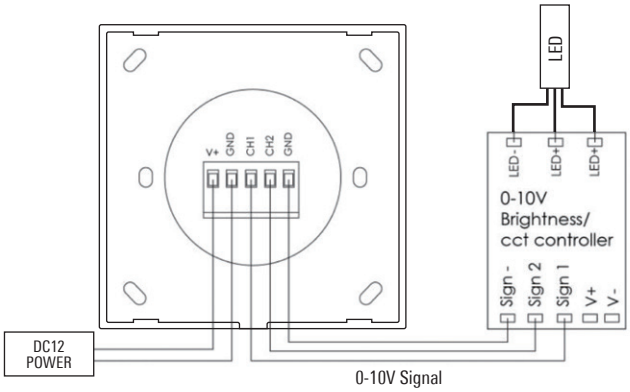
Model No.	Output (W/m)	Max. length per circuit (m)	Connectable length per one driver (m)	W (VA)
LFPTH-1000-*CL-I	11	5	8.1*	89.1
LTH-1000-*-DF-I	31.2	4	2.8	87.4

*Split into multiple circuit

For Dynamic white series	Walldim 202	Dimmer controller - 2ch	2ch Multi Function Panel Controller	EUCHIPS

- Supply voltage of 12-15VDC
- Output 2 channels 0-10V analog dimming signal
- Can adjust brightness and color temperature of lamps
- Show the current brightness or color grades
- can be installed in compliance with DIN 49073 and 86 standard wall box

Wiring Diagram



Twist shield cable is recommended to use as a signal cable.

Specification

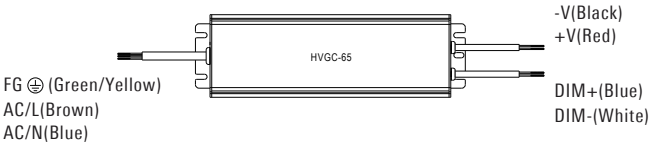
Product name	Multi-Function Touch Panel Controller
Model number	Walldim202
Input voltage	12V - 15V
Output channel	50mA 2ch
Size	86*86*26(mm)
Weight	140g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temprature	-10℃ ~ 40℃

* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver. The specification may be subject to change without prior notice.

For Vivoxy Graze	HVGC-*-*B	Constant Current - Dimmable driver (AC input) - 1ch	Constant Current dimmable driver IP67	Meanwell

- Wide input range 180 ~ 528 VAC
- Constant current mode output
- Metal housing with class I design
- IP67 / IP65 design for indoor or outdoor installations
- Function options:
  output adjustable via potentiometer; 3 in 1 dimming (dim-to-off); Timer dimming

Wiring Diagram



Twist shield cable is recommended to use as a signal cable.

Specification

Product name	Constant Current Mode LED Driver		
Model Number (for 700mA)	HVGC-65-700B	HVGC-100-700B	HVGC-150-700B
(for 500mA)	HVGC-65-500B	N/A	HVGC-150-500B
(for 350mA)	HVGC-65-350B	HVGC-100-350B	HVGC-150-350B
Rated Power	65W	100W	150W
Input Voltage range	180~ 528VAC		
IP rate	IP67		
Dimming type	3 in 1 dimming function (0-10Vdc, 10V PWM signal and resistance)		
Working temp. (Tcase)	-40℃~80℃		
Size (mm) (L*W*H)	189*61.5*36.8	236*68*38.8	245*68*38.8
Weight	0.77Kg	1.18Kg	1.24Kg

* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver. The specification may be subject to change without prior notice.

Power Supply

With thorough quality control, Luci continues to make products that customers can use with confidence

Available for project in JAPAN

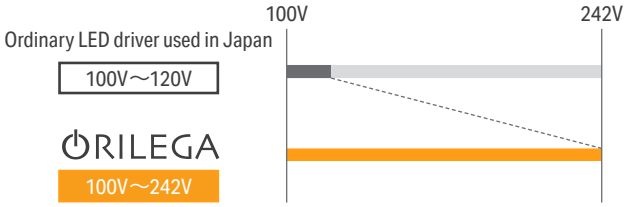
Quality policy of Luci ORILEGA

- In-house designed electric circuit and housing
- Reliability test and safety test conducted by our company and third-party test laboratory
- Ongoing operation test in high-temperature circumstance (60℃)
- Production process under Luci own standards and one hundred percent inspection

Luci ORILEGA conforms to various standards

PSE certified range: AC100 - 242V

ORILEGA is PSE compliant at all voltages. Voltage range that can be used not only in Japan but also in many overseas countries.



Quiet structure conforming to JIS

Reduced sound generation due to coil vibration during PWM dimming, maintaining operating noise in 25 dB or less. Meets the requirements of JIS C 8115 sound level.

Complied with CISPR11

CISPR is an abbreviation of French of the International Special Committee on Radio Interference, and it is a standard that sets electromagnetic tolerance for equipment that may be affected by electromagnetic waves. Available to use in hospital and medical institution as ORILEGA is in conformity to CISPR11 and CISPR15.

CE mark compliance / RoHS compliant with environmental directives

Available to import and use in EU as ORILEGA comply with CE mark which required to be labelled on the product complying with the laws and regulations and RoHS directive compliant with the environmental standard in EU. In addition, ORILEGA is designed according to the ENERGY STAR requirements.

PSE CE RoHS CCC

Luci Power Supply AC100v-242v

ORILEGA

PSE CE RoHS CCC

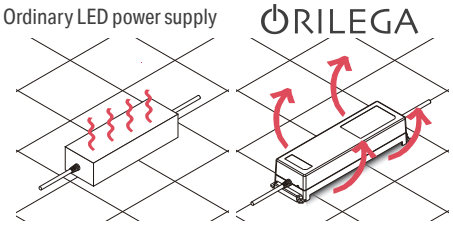
AC 100v ▸ 242v

PC isolated case, safe and durable structure

Robust structure conforming to Japan indoor wiring regulations aimed at securing the safety of electrical equipment Countermeasures against discoloration and overheating

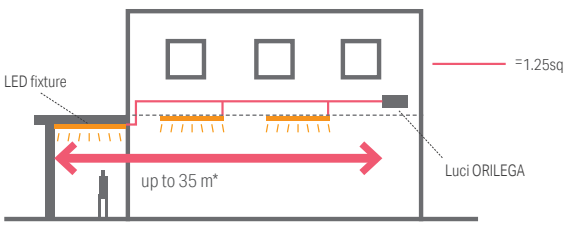
Structure of low heat dissipation

Since the legs are attached, the bottom of the power supply is away from the installation surface, air convects and heat is easy to escape from the power supply.



Maximum distance to the terminal of LED fixture: 35 m

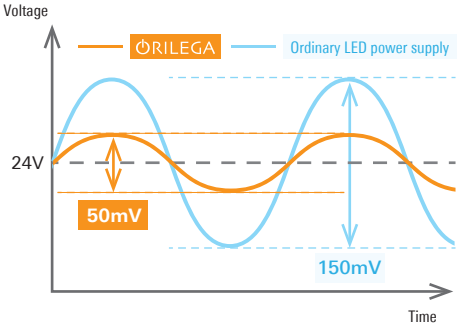
The distance from power supply to the terminal of LED fixture can be extended up to 35 m when the output cable is 1.25 sq mm.



*In case using LED fixture which maximum length per series is 5m.

Low output ripple voltage

Ripple voltage occurs in DC24V output device. It may slightly affect the output effect of the LED fixtures. The lower output ripple voltage, the lower flickering occurs. Output ripple voltage of ORILEGA is 50mV which is lower than other power supply.



LPSOL-145/075/030

Luci ORILEGA 145W/75W/30W 24V

AC 100v ▸ 242v

PSE CE RoHS CCC

LPSOL - □ - 24 - ND - I

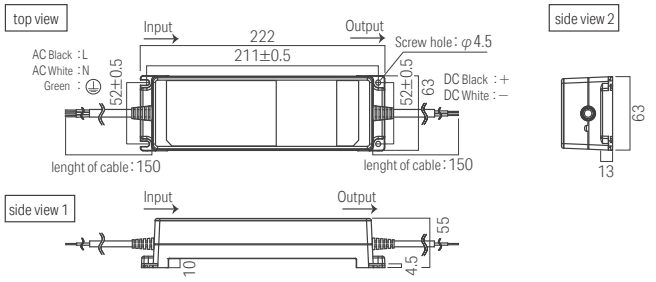
Product Name	Rated output power	Output DC voltage	Dimming type	Environment
LPSOL	145 : 145W 075 : 75W 030 : 30W	24 : 24V	ND : Non dim	I : Indoors

Certification

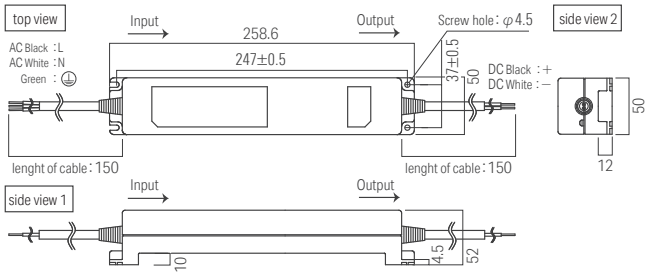
- PSE (AC100 ~242V)
- CE
- CCC
- RoHS
- IEC61000-3-2 Class C
- CISPR11, CISPR15
- JIS C 8115 Sound level requirement

External dimensions

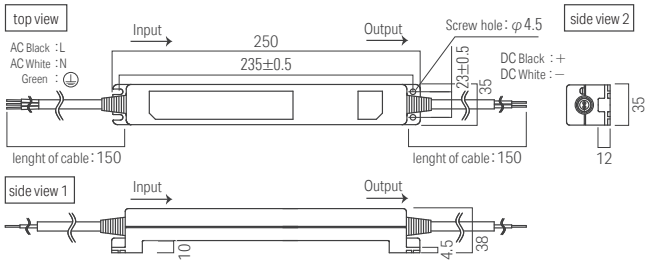
145W



75W



30W



Specification

	145W	75W	30W	
Model No.	LPSOL-145-24-ND-I	LPSOL-075-24-ND-I	LPSOL-030-24-ND-I	—
AC input voltage range	85~264 VAC			
Classification	Constant Voltage			—
Output DC voltage	DC24V			—
Rated output power	145W	75W	30W	
Recommended maximum loading	105W	52.5W	21W	70% loading recommended
Ripple voltage	Less than 50mV			Less flickering
Temperature protection	Device stop functioning when ambient temperature is over 80°C			Safety design
Material of outer case	Polycarbonate（UL94-V0：Self-extinguishing）			Prevention of electric shock and short circuit
Form of outer case 1	PC isolated case			—
Form of outer case 2	Equipped with raised base			—
Input method	Black(L), White(N), Green (Earth)			Prevention of electric shock and short circuit
Output method	Black(DC+), White(DC-)			
Dimming	Dimmer driver is needed for dimming usage (Low noise type)			Decrease noise during dimming
Dimension W×H×D	63 × 55 × 222 mm	50 × 52 × 258.6 mm	35 × 38 × 250 mm	—
Weight *Excluding packing material	580g	455g	215g	—
Output extension length	VCTF0.75sq：20m VCTF1.25sq：30m			
Environment	Indoors (no condensation)			—
Option parts	Terminal block for Output side			

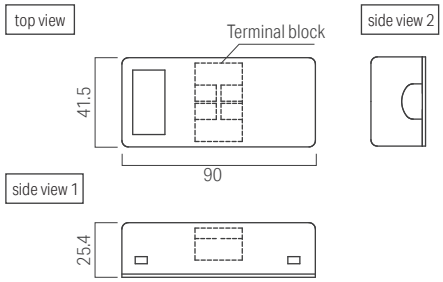
Characteristic table

			145W			75W			30W			
category	ITEM	conditions	MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	Unit
Input	Current	AC100V	1.5	1.6	1.7	0.85	0.9	1.00	0.36	0.4	0.42	A
		AC220V	0.75	0.8	0.83	0.45	0.5	0.55	0.18	0.2	0.22	A
		AC240V	0.60	0.67	0.71	0.38	0.4	0.42	0.15	0.16	0.17	A
	Frequency	—	47	—	63	47	—	63	47	—	63	Hz
	Effciency	AC100V	83	85	86	82	83	84	81	82	83	%
		AC220V	86	88	90	83	84	85	83	84	85	%
		AC240V	86	89	90	83	84	85	83	84	85	%
	Power Factor	AC100V	0.99	1.00	1.00	0.99	1.00	1.00	0.99	1.00	1.00	—
		AC220V	0.95	0.96	0.97	0.95	0.97	0.98	0.96	0.97	0.98	—
		AC240V	0.93	0.94	0.95	0.93	0.95	0.96	0.95	0.96	0.97	—
	Inrush Current	AC100V	35	40	45	25	30	40	10	15	20	A
		AC220V	35	40	45	25	30	40	25	30	40	A
		AC240V	35	40	45	25	30	40	25	30	40	A
	Leakage Current	AC100V	0.4	0.6	1.0	0.3	0.5	0.7	0.3	0.5	0.7	mA
		AC220V	0.4	0.6	1.0	0.3	0.5	0.7	0.3	0.5	0.7	mA
		AC240V	0.4	0.6	1.0	0.3	0.5	0.7	0.3	0.5	0.7	mA
Output	Voltage	—	23	24	25	23	24	25	23	24	25	V
	Current	—	—	6.1	6.1	—	3.125	3.125	—	1.25	1.25	A
	Rated output power	—	—	145	—	—	75	—	—	30	—	W
	Ripple	0-+50℃	30	45	50	30	45	50	30	45	50	mVp-p
	Start-UP time	AC100V	1000	1100	1200	600	800	1500	600	800	1500	ms
		AC240V	700	800	900	500	600	1000	500	600	1000	ms
	Hold - UP time	—	—	20	—	—	20	—	—	20	—	ms
Protection	over current protection	—	6.365	6.700	7.035	3.5	3.8	3.9	1.6	1.8	1.9	A
	over voltage protection	—	34	37	40	34	37	40	34	37	40	V
	short - circuit protection	—	Auto-recovery									—
	overheat protection	—	Auto-recovery									—
Others	operating indication	—	Green LED									—
Isolation	In - Out	—	3750V/ac 1min									—
	In - Earth	—	1875V/ac 1min									—
	Out - Earth	—	500V/ac 1min									—
Environment	Operating temp	—	0	—	50	0	—	50	0	—	50	℃
	Operating humid	—	20	—	90	20	—	90	20	—	90	%RH
	Storage temp	—	-20	—	70	-20	—	70	-20	—	70	℃
	Storage humid	—	10	—	90	10	—	90	10	—	90	%RH
	vibration	—	Frequency 500times to 800 times per minute Double amplitude 2mm to 3 mm Test time: 5 minutes / cycle Performed up to 10 cycles									—

Option parts

Terminal block for Output side
Model No. : LBX-01

Easy output side connection
Output box with built-in terminal block
Output branch (3 branch)



Dimmer & Power supply

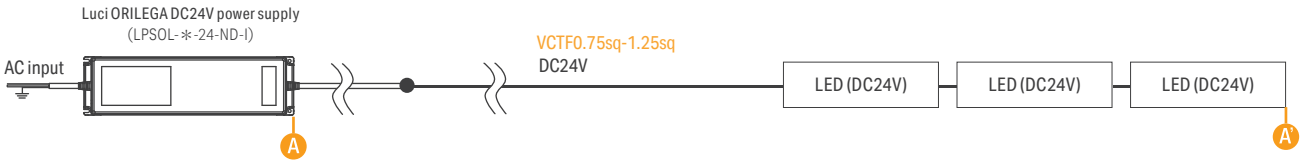
Installation Guide

System configuration diagram

ON/OFF

Maximum wiring distance from A to A'
VCTF0.75sq：25m　VCTF1.25sq：35m

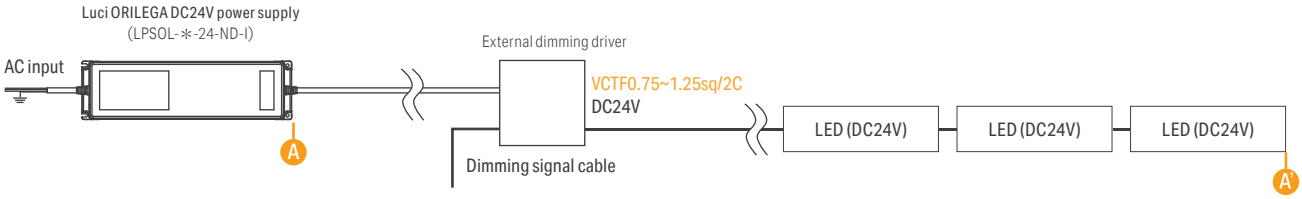
*including extension cable length between LED fixtures.



Dimming

Maximum wiring distance from A to A'
VCTF1.25sq：15m

*including extension cable length between LED fixtures.



Connectable length for ORILEGA Series

Product Name	Model No.	Output DC24V	Max. length per circuit (m)	Connectable length per one driver (m) *: split into multiple circuits		
				145W	75W	30W
				LPSOL-145-24-ND-I	LPSOL-075-24-ND-I	LPSOL-030-24-ND-I
UQ FLEX / UQ FLEX α (15W)	LFU/LFUA-T1000WS- ＊ -DF-I/O-15	15.8W/m	10.0 m	6.4 m*	3.3 m	1.3 m
UQ FLEX / UQ FLEX α (12W)	LFU/LFUA-T1000WS- ＊ -DF-I/O-12	12.6W/m	10.0 m	8.4m*	4.3m	1.7m
UQ FLEX / UQ FLEX α (8W)	LFU/LFUA-T1000WS- ＊ -DF-I/O-8	8.4W/m	10.0 m	12.6m*	6.5m*	2.6m
Power FLEX EX 15mm pitch	LFPEX15-T1000W- ＊ -CL- I/O	18.2W/m	5.0 m(I) / 3.5 m(O)	5.6 m*	2.9 m	1.2 m
Power FLEX EX 20mm pitch	LFPEX20-T1000W- ＊ -CL- I/O	12.1W/m	5.0 m	8.4 m*	4.3 m	1.7 m
Power FLEX EX 30mm pitch (9.5W)	LFPEX30-T1000W- ＊ -CL- I/O -9	9.5W/m	5.0 m	10.7 m*	5.5 m*	2.2 m
Power FLEX EX 30mm pitch (6.5W)	LFPEX30-T1000W- ＊ -CL- I/O -6	6.5W/m	5.0 m	15.6 m*	8.1 m*	3.2 m
Power FLEX EX 30mm pitch (4.5W)	LFPEX30-T1000W- ＊ -CL- I/O-4	4.5W/m	5.0 m	22.6 m*	11.7 m*	4.7 m
Power FLEX Spect C 20mm pitch	LFPSC20-1000- ＊ -CL-I	14.4W/m	5.0 m	7.0 m*	3.6 m	1.4 m
Power FLEX 15mm pitch	LFP15-T0900W- ＊ -CL- I/O	15.4W/m	4.5 m	6.6 m*	3.4 m	1.4 m
Power FLEX 20mm pitch	LFP20-T1000W- ＊ -CL- I/O	10.5W/m	5.0 m	9.7 m*	5.0 m	2.0 m
Flat FLEX F / FLEX α F 10mm pitch	LFTF10 or LFXF10-T1000W- ＊ -CL- I/O	3.9W/m	5.0 m	26.0 m*	13.5 m*	5.4 m*
Flat FLEX F 16mm pitch	LFTF16-1000- ＊ -CL- I/O	2.5W/m	5.0 m	40.6 m*	21.0 m*	8.4 m*
Power FLEX α 20mm pitch	LFPA20-0960- ＊ -CL- I	10.4W/m	5.0 m	9.8 m*	5.0 m	2.0 m
RECTA	LRE-1003- ＊ -DF-I	31.2W/m	3.3 m	3.3 m	1.7 m	0.7 m
Creide lens / Creide F	LCEL or LCEF-0880- ＊ -DF-I	20.6W/m	5.0 m	4.9 m	2.5 m	1.0 m
silux K / silux wide K (13.1W)	LSXWK or LSXK-1008- ＊ -DF-I-13	13.1W/m	6.0 m	7.7 m*	4.0 m	1.6 m
silux K / silux wide K (8.1W)	LSXWK or LSXK-1008- ＊ -DF-I-8	8.1 W/m	6.0 m	12.5 m*	6.4 m	2.5 m
silux K / silux wide K (4.3W)	LSXWK or LSXK-1008- ＊ -DF-I-4	4.3W/m	6.0 m	23.6 m*	12.2 m*	4.8 m
nano line	LNL-0984- ＊ -DF-I	7.2W/m	5.0 m	14.1 m*	7.3 m*	2.9 m
Vivoxy FLEX IP67 (24W)	LVF40-1000W-*-*-O-24-*	24W/m	5.0 m	1.4 m	2.9 m	4.3 m
Vivoxy FLEX IP67 (16W)	LVF40-1000W-*-*-O-16-*	16W/m	5.0 m	2.1 m	4.37 m	6.5 m*
UQ FLEX Sauna	LFUS-T1000WS-L27-DF-O	5.1W	5.0 m	6.0 m*	12.0 m*	17.5 m*
EFRO IP65	LRO-0862- ＊ -DF-IW	8.4W/m	4.5 m	12.1 m*	6.3 m*	2.5 m
Power LEDs Line IP65	L-ELA9K2-096***-24C-P	19.9W/m	9.0 m	5.1 m	2.6 m	1.1 m
LEDs Bar IP65	L-ELS7K1-098**-24	7.8W/m	6.9 m	13.0 m*	6.7 m	2.7 m
LEDs Line Hi IP67	L-ELR9K2-098**M-24	7.8W/m	6.9 m	13.0 m*	6.7 m	2.7 m

*Split into multiple circuit

* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver. The specification may be subject to change without prior notice.

Wire connection methods

⚠ Warning Do not perform installation/ removal work while power on. Otherwise, an electric shock may occur.

- Make sure the place of installation has enough strength to hold the weight of the device.
- Make sure the LED fixture meets the specification of this device.
- Connect ACL wire (black) of the device to Live, ACN wire (white) of the device to Neutral, FG wire (green) of the device to ⏚.

Caution: Improper connection may cause smoking, fire, electric leakage, ground fault or electric shock.

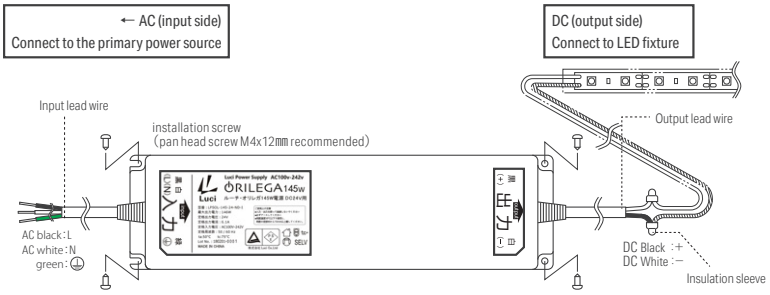
- Connect the wires of LED fixture to DC black (+) and DC white (-) wires of the device correspondingly.

Note: For the procedure of connecting LED fixture, please refer to the instruction manual of each product.

- Check the strength of the place to install before screwing.
- Screws are not attached.
- Once all installation processes are completed, turn on the power and make sure the LED fixture lights up.

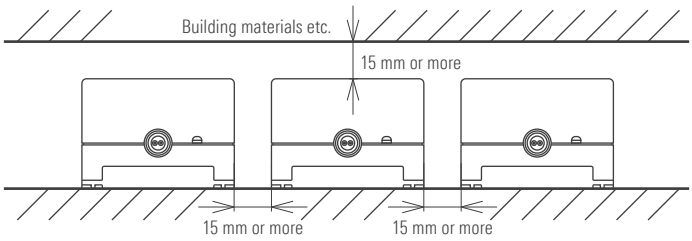
⚠ Cautions

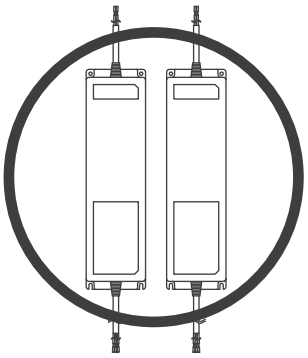
- If connect AC main power to the DC output side, the device get damage instantly.
- Please ensure to connect the device to ground in order to protect from electric shock or devices from getting damaged by external noise.



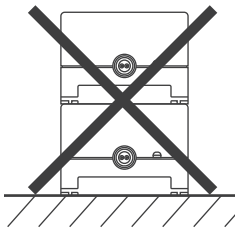
Installing the product

- When installing this product, please make sure to use screws (round head screw M4 x 12mm or longer is recommended) and fix tightly.
- To avoid being shortened lifetime of the device,
  - Do not stack the device on top of each,
  - Do not install the device by turning inside out or by upside down
  - Do not install multiple devices horizontally in parallel on a wall surface.
- Check the strength of the place to install before screwing.
- Screws are not attached.

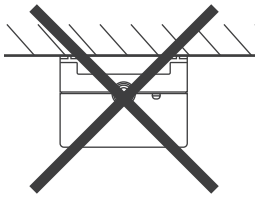




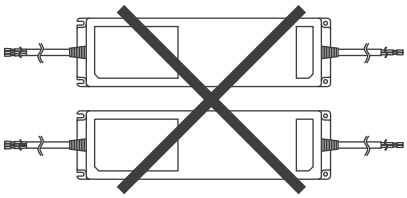
○ - It is possible to set up multiple devices in parallel on the wall if they are in vertical orientation!



⊘ Do not stack the devices!



⊘ Do not install upside down on the ceiling surface!



⊘ Do not install multiple devices in parallel if they are in horizontal orientation!

Maintenance and Inspection

- This product has a life span.
- Degradation occurs inside after 8-10 years of installation even when the device looks fine from the outside.
- Parts of the product degrade due to heat when using for a long period. This causes not only safety issues, but also reduces power efficiency and it is recommended to have regular maintenance and inspection.
- Life cycle of the product will be shorter in high ambient temperature or in the use for a long period.
- Cleaning and inspection should be performed at least once every 6 months.
- Inspection by a specialist, such as a product contractor, should be performed at least once every 3 years.
- If the product is used for a long time without having an inspection, there is a small possibility that it could lead to fuming, igniting, electric shock and the like.

Inspection Methods
- Is the output verification indicator (LED-green: located at the side of the lead-wire on output side) turned on?
- Are output voltage and output current in normal conditions?
- Is there any coloring/ fall-off/ abnormal heat build-up at wiring connection part?
- Is there any unusual smell, sound or heat?
- Are there any cracks, splits, or detached parts on any parts or joints?

Cleaning Method
- Turn off the power before cleaning the device.
- Lightly wipe this product with a soft cloth.
- To best clean this product, wipe dirt with a soft cloth which has been soaked in a neutral detergent diluted with water and wrung firmly. To finish off, wipe it with a damp cloth and dry it.

Power supply

Model		Product name	Model No.	Rating		Size	note
CCC, CE Model		35W Single Output Switching Power Supply	LRS-35-24	85~264VAC	DC24V 1.5A	W99 H82 D30	- MEAN WELL - I/O terminal block -Protections: Short circuit / Overload / Over voltage
		100W Single Output Switching Power Supply	LRS-100-24		DC24V 4.5A	W129 H97 D30	
		150W Single Output Switching Power Supply	LRS-150-24	85~132VAC / 170~264VAC by switch	DC24V 6.5A	W159 H97 D30	- MEAN WELL - I/O terminal block -Protections: Short circuit / Overload / Over voltage / Over temperatur

Specification may be subject to change without announcement.

* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver. The specification may be subject to change without prior notice.

Power supply selection method

Pay attention to the electrical capacity of the load (lamp) connected to the power supply.
For 15 to 150W, consumption of 70% of a full power or less by the load is typically assumed.

When using dimming driver, the load factor of the LED fixtures connected to the power supply is recommended 60% or less to reduce the possibility of occurrence of noise.

Example: Choosing power supply for 10pcs of Luci Power FLEX 20mm pitch
Luci Power FLEX 20mm pitch 10.5W x 10pcs = 105W
105W ÷ 70% (load factor) = Approx. 150W
Select a 150W power supply.

Small noise may be emitted from the appliance and the dimmer while using the dimmer, but it is normal.
Load capacity of 60% is recommended to reduce noise.

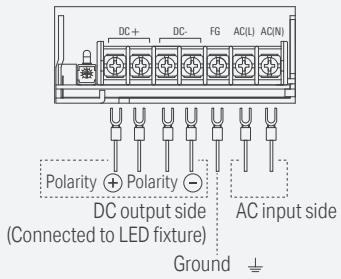
Connecting to power supply

■Cables used for connecting LED fixtures and Power supply must be a suitable type and gauge.

■The cable should be joined with a suitable terminal. Otherwise, the power supply will be broken.
Please install appopriate enviroment according to specifications.
Caution: When using a long thin cable, the resistance of cable will increase. Voltage drop and heat accumulation may occur and result in brightness decreasing.
Caution: When separate one cable to multiple circuits in the same gauge, the current loading are collected on the junction of the branch circuit and it will be high temprature there. Please consider the loading of the power supply (quantity of LED fixture) and review the wiring system to avoid the above problem.

■When connect the dimmer driver with power supply, unpredicted noise might occur. It is the characteristic of electronic devices, not a malfunction of the LED fixture.
Please choose an appropriate power supply and consider a place to install. Reducing the loading factor of LED fixture might improve the noise from the power supply, and the noise from LED fixtures might be improved by splitting the circuit of LED fixtures into multiple.

Ex: 150W Power Supply



Luci Pte. Ltd.

CE Declaration of Conformity

Luci Pte. Ltd.
Singapore World HQ
52A Tanjong Pagar Road, Singapore 088473

We declare, Under our solo responsibility, that the product:

Product:	Model:
Luci Power FLEX EX	LFPEX*(1)-T*(2)*(3)-*(4)-CL-*(6)-*(7)
Luci Power FLEX	LFP*(1)-T*(2)*(3)-*(4)-*(5)-*(6)
Luci Power FLEX α	LFPA20-0960-*(4)-CL-I
Luci Flat FLEX F	LFTF*(1)-T*(2)*(3)-*(4)-*(5)-*(6)
Luci FLEX α F	LFXF10-T*(2)*(3)-*(4)-*(5)-*(6)
Luci Power FLEX THOF	LFPTH20-*(2)-*(4)-CL-I
Luci Creide lens	LCEL-*(2)-*(4)-DF-I
Luci Creide F	LCEF-*(2)-*(4)-DF-I
Luci silux K	LSXK-*(2)-*(4)-DF-I-*(7)
Luci silux wide K	LSXWK-*(2)-*(4)-DF-I-*(7)
Luci nano line	LNL-*(2)-*(4)-DF-I
Luci Vivoxy Graze	LVV50-*(2)-*(4)-SP-I
Luci THOF	LTH-*(2)-*(4)-DF-I
Luci EFRO	LRO-*(2)-*(4)-DF-IW
Luci RECTA	LRE-*(2)-*(4)-DF-I
Luci UQ FLEX	LFU-T*(2)*(3)S-*(4)-DF-*(6)-*(7)
Luci UQ FLEX α	LFUA-T*(2)*(3)S-*(4)-DF-*(6)-*(7)
Luci Vivoxy FLEX	LVF-*(2)*(3) -*(4)-*(8)- O -*(9) -*(10)

*(1) LED pitch
*(2) Length
*(3) Lead wire specifications
*(4) Light source color
*(6) Environment
*(7) Power consumption
*(8) Beam angle
*(9) Power consumption
*(10) Body color

Applied Harmonized Standards

EN 55015: 2013+A1: 2015 ; EN 61547: 2009 (IEC 61000-4-2:2008,IEC 61000-4-3:2006+A1:2007+A2:2010)
Electromagnetic Compatibility (EMC) Directive 2014/30/EU
Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
Equipment for general lighting purposes - EMC immunity requirements

EN 62493：2015 (IEC 62493:2015）
Low voltage (LVD) Directive 2014/35/EU
Assessment of lighting equipment related to human exposure to electromagnetic fields

EN 60598-1：2015 (IEC 60598-1:2014 (Modified)）
Low voltage (LVD) Directive 2014/35/EU
Luminaires - Part 1: General requirements and tests

EN 60598-2-20：2015 (IEC 60598-2-20:2014）
Low voltage (LVD) Directive 2014/35/EU
Luminaires - Part 2-20: Particular requirements - Lighting chains

Energy-related Products (ErP) Directive 2009/125/EC

RoHS
Are compliant with the threshold requirements of the European Union's on Use of Hazardous Substances Directive.

Authorized Representative
Luci Pte. Ltd.
Singapore World HQ
52A Tanjong Pagar Road, Singapore 088473

Signature:
Junko Kageyama

Attention

About Lifetime

Our definition of LED lifetime is when 'the brightness becomes 70% of its original brightness' based on the theory which was decided on July 2005 by Japan Luminaires Association. Luci calculates the lifetime based on brightness data, current data and so on.
Please understand that this is planned lifetime and it may differ depending on how the products are used.

Optical data

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.
The calculation of "Luminaire efficacy (lm/W)" indicated in this catalog is "Luminaire efficacy (lm/W) =Total luminous flux (measured value) ÷ Power consumption (designed value)" .
The "Light source color" indicated in this catalog and specification are the color code of the LED package, not the color temperature of the finished product.
Please contact us for further information of the CCT and CRI tolerance for each products.

LED Dimming and noise

When the dimming level is low, the following symptoms may be observed.
- LED doesn't turn on
- LED goes off for the sudden electricity decrease.
- Each LED may turn off at separate times when they are controlled by 1 dimmer.
- When connecting the dimmer driver with power supply, unpredicted noise might occur. It is a characteristic of electronic devices, not a malfunction of the LED fixture. Please choose an appropriate power supply and consider a place to install. Reducing the loading factor of LED fixture might improve the noise from the power supply while the noise for the LED fixtures might be improved by splitting the circuit of LED fixtures into multiple.

Effect of sulfur on LED

Please note that color temperature change, color unevenness, and illuminance reduction can occur due to the influence of sulfur even when used indoors. Some foods, chemicals, car exhaust gas contain sulfur ingredients.

Maintenance and Inspection

LED fixture has a life span. Degradation occurs inside after 8-10 years of installation even when the fixture looks fine from the outside. Parts of the LED fixture degrade due to heat when the light is on for a long time. This causes not only safety issues, but also reduces power efficiency and it is recommended to have regular maintenance and inspection.
Cleaning and inspection should be performed at least once every 6 months. Inspection by a specialist, such as a product contractor, should be performed at least once every 3 years.
If the LED fixture is used for a long time without having an inspection, there is a small possibility that it could lead to flaming, igniting, electric shock and the like.

Inspection Methods
1. Is LED operating normally?
2. Is there any unusual smell, sound or heat?
3. Are there any cracks, splits, or detached parts on any parts or joints?

Cleaning Methods
1. Lightly wipe the LED fixture with a soft cloth.
2. To best clean the LED fixture, wipe dirt with a soft cloth which has been soaked in a neutral detergent diluted with water and wrung firmly. To finish off, wipe it with a damp cloth and dry it.

Operating temperature

Unless otherwise stated in the user's manual or specification sheet, use the product at ambient temperatures between 0-35°C for indoor usage. For outdoor products, refer to the specification sheet and instruction manual since the operating ambient temperature varies depending on the product.
When temperature is higher than the data stated in the specification page, the lighting fixture may cause failure or malfunction.

Safety of power supply usage

Ensure appropriate installation in accordance with the user's manual of the power supply. Do not use an indoor power supply in outdoors, since it may cause damage, electric shock, smoking, and fires.
When installing in a ceiling, ensure easy access for checkups.
There are also other regulations for power supply installation, and therefore installation work should follow the electric facility construction standards of each country.

For safe use of the controller/driver

- Effect on radio

When radio reception is weak, the product may cause noise.
In such cases, keep the product away from the radio, or use an outside antenna.
- Effect on audio/video signal

Audio/video signals such as those from broadcast facilities are weak, and may be affected by electromagnetic waves from the product.
Use shielded wire for audio/video signals, or keep adequate distance from a signal wire to a power wire.
- Effect on medical devices

Effects may be occur depending on site environment, type of medical device, and noise-resistant properties of some device. Please do not use where you have concern on this issue.

Notes for purchase

For product improvement, the specifications, appearance, and price are subject to change without prior notice.
Consumption tax is not included in the price.
For further detail conditions and terms for purchasing and warranty, please contact Luci sales.

Cautions

Please make sure to use correct power supply which match the input voltage written in manual. Otherwise, it may cause damage or fire.
When the product is installed or removed, please make sure the power already turned off.
Do not modify the product. It may cause damage, electrify, or fire.

Product Warranty

Warranty period

There shall be a warranty period for the products sold by BUYER by LUCI, which shall be for a period of the following period from the date issued the packing list to BUYER by LUCI.

Three (3) years:
Creide® lens/F: LCEL/LCEF-*(2)-*(4)-DF-I
Flat FLEX F Indoor/IP65: LFTF*(1)-T*(2)*(3)-*(4)-*(5)-*(6)
FLEX α F Indoor/IP65: LFXF10-T*(2)*(3)-*(4)-*(5)-*(6)
nano line: LNL-*(2)-*(4)-DF-I
Power FLEX EX Indoor/IP65: LFPEX*(1)-T*(2)*(3)-*(4)-CL-*(6)-*(7)
Power FLEX Indoor/IP65: LFP*(1)-T*(2)*(3)-*(4)-*(5)-*(6)
Power FLEX Spect C: LFPSC20-1000-*(4)-CL-*(6)-I
Power FLEX THOF®: LFPTH20-T*(2)*(3)-*(4)-CL-I
Power FLEX α: LFPA20-0960-*(4)-CL-I
RECTA: LRE-*(2)-*(4)-DF-I
silux® K: LSXK-*(2)-*(4)-DF-I-*(7)
silux® wide K: LSXWK-*(2)-*(4)-DF-I-*(7)
THOF: LTH-*(2)*(4)-DF-I
Vivoxy Graze: LVV50-*(2)-*(4)-SP-I

Two (2) years:
EFRO IP65: LRO-*(2)-*(4)-DF-IW
LEDs Bar IP65: L-ELS7K1-*(2)*(3)*(4)-24C
LEDs Line IP67: L-ELR9K2-*(2)*(3)*(4)M-24
Power LEDs Line IP65: L-ELA9K2-*(2)*(3)*(4)N-24C-P
UQ FLEX Indoor/IP67: LFU-T*(2)*(3)-*(4)-DF-*(6)-*(7)
UQ FLEX α Indoor/IP67: LFUA-T*(2)*(3)-*(4)-DF-*(6)-*(7)
Vivoxy FLEX IP67: LVF-*(2)*(3) -*(4)-*(8)- O -*(7) -*(9)
Vivoxy Graze THOF: LVVTH50-*(2)-*(4)-SP-I

One (1) year:
UQ Sauna IP67: LFUS-T*(2)*(3)-*(4)-DF-*(6)-*(7)

Note: *(1) LED pitch *(2) Length *(3) Lead wire specifications *(4) Light source color *(5) Tube type or Cover type *(6) Environment *(7) Power consumption *(8) Beam angle *(9) Body color

Warranty detail

When there is a product defect during the warranty period despite being installed according to instruction manuals, we replace the product or repair the product. Luci will not bear any cost of construction work related to recalling and replacing.
If the usage time per day exceeds for more than 20 hours, the warranty period is half of the period mentioned above.

Disclaimer

In the cases below, the repair or the replacement of our Products are not free of charge.

1. Consumable goods, consumable parts, etc
2. Failure or damage due to misuse, unwarranted repairs or modifications
3. Failure or damage due to dropping, falling over, impacts and mishandling during shipping, storing or after delivery
4. Failure or damage due to fire, salt damage, gas damage (corrosive gas, combustible gas, etc.), organic solvents such as paint liquid, earthquake, storm and flood damage, lightning damage, abnormal voltage or other natural disasters
5. Failure or damage due to unsatisfactory constructions
6. Failure or damage by using an inappropriate power source
7. Failure and damage when using inappropriate power supply and LED driver
8. Failure including luminare, colour hue and colour temperature deterioration or yellowed main body due to aging or dirtiness
9. Failure or damage when the parts where connected to a power source or the connectors of the terminals are not insulated
10. Failure and damage caused by rats, dogs, cats or other animals or insects
11. Failure or damage when used in an installed environment or condition which is not advised or prohibited in the instruction manual of each product
12. Failure or damage when lead wire connected parts are not waterproofed properly for outside use
13. Failure or damage when product is altered except for cutting strip light for indoor usage
14. No warranty document
15. Some items in this warranty document are blank or words are rewritten
16. Compensation for business loss, compensation or the like for indirect costs due to failure or damage of the product
17. Failure or damage due to lack of maintainance work
18. Failure or damage caused by causes other than those mentioned above which cannot be attributed to Luci.

We shall not cover any indirect operation responsibility and remedy responsibility for the product damage or failure.

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