Luci

LED LIGHTING
CATALOG
2020

INDEX

Tanah Merah Country Club Location: Singapore; Photo: Robert Such

What's Luci / Strength 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 | 2019 |

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.
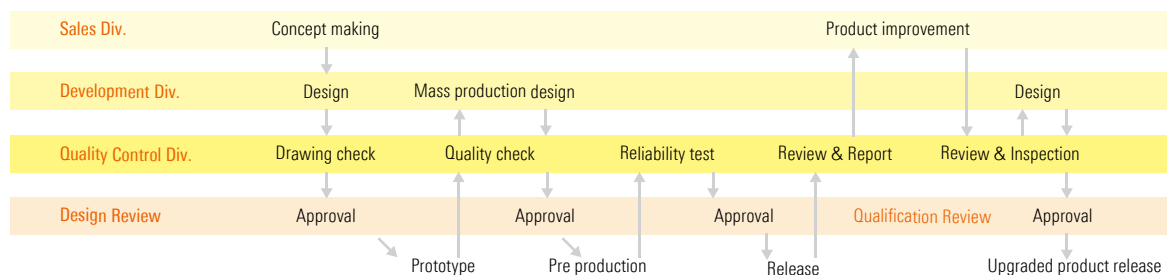
Product range

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.

Sales Div.	Concept making					Product improvement	
Development Div.	Design	Mass production design				Design	
Quality Control Div.	Drawing check	Quality check	Reliability test	Review & Report	Review & Inspection	
Design Review	Approval	Approval	Approval	Qualification Review	Approval	
		Prototype	Pre production	Release		Upgraded product release

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.

LUCI (SHANGHAI) LIGHTING TECHNOLOGY CO.,LTD
Beijing Office

LUCI (SHANGHAI) LIGHTING TECHNOLOGY CO.,LTD
Shanghai China mainland Regional HQ

China Factory

Korea

China

SANSHO Korea CO.,LTD.
Partner Company Korea

Luci Co.,Ltd.
Tokyo Japan Regional HQ

Japan

Luci Co.,Ltd.
Osaka Office
Japan Factory

Luci Pte. Ltd.
Hong Kong Marketing Office

Southeast Asia

Luci Pte. Ltd.
Singapore World HQ

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.
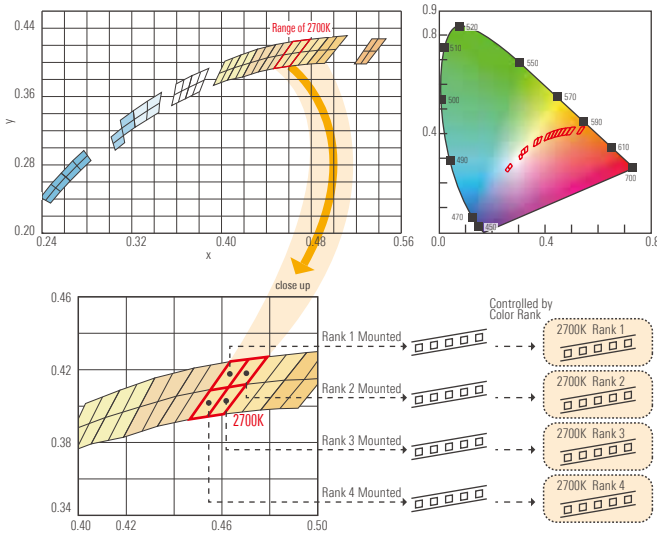

▶ MacAdam 3 step

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.
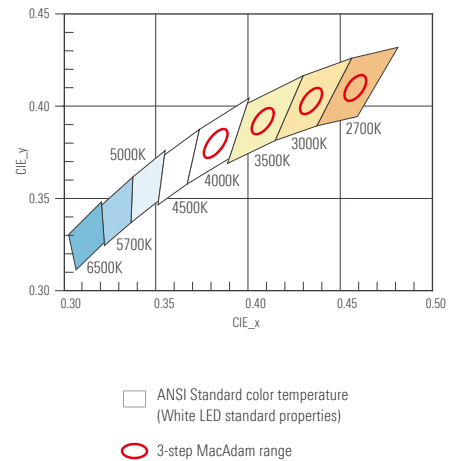
☐ ANSI Standard color temperature (White LED standard properties)

⬭ 3-step MacAdam range

Variety of Color temperature

Nominal color temperature variation

		D	N	W	WW	L30	L27	L24	L21	L19
Vivoxy Graze	P.44								L22	
Slim light	P.96									
nano line	P.42									
Power FLEX	P.122									
Power FLEX α	P.138									
Power FLEX THOF	P.128									
Flat FLEX F	P.132									
FLEX α F	P.142									
FLEX α KINU	P.202									

Variety of Color temperature

Nominal color temperature variation

		D	N	W	WW	L30	L27	L24	L21	L19
RECTA	P.52									
THOF	P.58									
Creide lens/F	P.64									
silux K/wide K	P.74/82									
Power FLEX EX	P.112									
EFRO IP65	P.150									
LEDs Bar IP65	P.164									
UQ FLEX IP67	P.176									

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

Design support

We regularly release the project reference and application book that included 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 team and design team support designer.

Showroom

Singapore office & Show room

Japan Show room

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 at an alarming rate. Any inquiries are welcomed at info@luci.co.jp

HoteLuci

WEB site

lux distribution

Project List

The Warehouse Hotel Singapore
Location: Singapore
Lighting Design: Switch
Lighting Supplier: Bizlink Associates

Novotel Century Hong Kong, Wanchai
Location: Hong Kong
Lighting designer: Lighting Workshop Company

Ports 1961 Shanghai
Location: China
Client: Ports 1961
Design Architect: UUfie
Facade Contractor: Permasteelisa Group
Facade Engineer: T/E/S/S atelier d'ingenierie
Lighting Consultant: Inverse
Design Producer: Yabu Pushelberg
Project Coordinator: eightsixthree Ltd
Photographer: Shengliang Su

Sheraton Danang Resort
Location: Vietnam
Architectural : DP Singapore
Lighting design: Light Box
Lighting supplier: Long Khang Technology

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

means the regions that our products have spread out.

Mahanakorn - Sky Bar
Location: Thailand
Lighting designer: BE LIT Thailand

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.

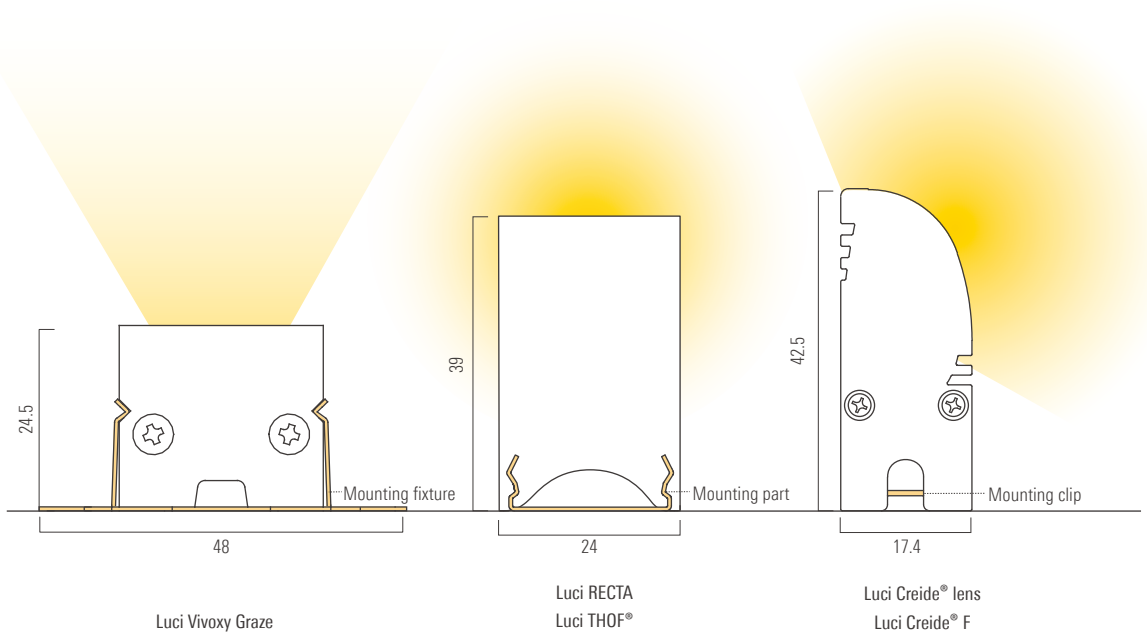|			
Singapore	Gardens by the Bay	Vietnam	SALA City
	Victoria Theatre		MIA Resort
	National Art Gallery		Sheraton Danang
	Atlas Bar - Park View Square		Vingroup Resorts
	Novena Church		Takashimaya Saigon Centre
	Google office		Akira Back at JW Marriott Hanoi
	States Court	Indonesia	Menara Astra
	LinkedIn Office		TOTO Building
	Funan Mall		Verde Two
	Great World City		Hotel Indonesia Kempinski Jakarta
	Sentosa Outpost Village Hotel		Hotel Muria Bali Grand Ball room
China	Ping An International Finance Centre		InterContinental Jakarta Pondok Indah
	Chengdu City Concert Hall	Malaysia	Genting Casino T2B
	Shanghai Huiyin Building		The Ritz-Carlton, Langkawi
	Raffles City ChongQing		ABC Cooking Studio at Pavilion
	Shanghai Haichang Ocean Park		Melawati Mall
	Langfang Grand Theatre		The RuMa
	Huarun Shenzhen Bay Business Center		Sunway Velocity Hotel
	CALZEDONIA Shanghai Flagship	Thailand	ICON SIAM
	Wework Shanghai Office		SIAM TAKASHIMAYA
	Shanghai Ruian Square		Gaysorn Quarter
Hong Kong	Ocean Park Marriot Hotel		Trisara Villa Phuket
	Novotel Century Wanchai	Brunei	ROYAL BRUNEI LOUNGE
	Hong Kong Jocky Club	Myammer	Sheraton Hotel Yangon
	Hong Kong Disneyland Hotel		Rosewood Yangon
	EMPIRE Prestige Causeway Bay	Philippines	OKADA Manila
	Goldman Sachs office		Ayala Mall Cebu
	Ovolo Mojo Nomad		Proscenium at Rockwell
	Nam Cheong Station Driveway & Drop-Off		SMART
	FLEUR ISLAND		ArthaLand Century Pacific Tower
	Fanling Golf Club		Solaire Resort and Casino
	UNIQLO V Walk	India	Lupin office
Macau	MGM Cotai		The Oberoi, New Delhi
	Wynn Macau		Kanakia Miami, Mumbai
	Harbourview Hotel - Macau Fisherman's Wharf	Sri Lanka	Hilton Colombo
Taiwan	The Wings of The World, Taichung	Bangladesh	Radisson Blu Chittagong Bay View
	GIVENCHY Breeze Xinyi Store	Maldives	Four Seasons Voavah
Japan	ANA Crown Plaza Hotel Osaka	Mauritius	Shangri-la Hotel
	TOKYO MIDTOWN HIBIYA	Australia	Shangri-la Hotel Sydney
	The Prince Gellery Tokyo Kioicho		Arup Sydney office
	La Locanda at The Ritz-Carlton, Kyoto		Westfield Sydney
	HIRAKATA T-SITE	UAE	Dubai World Trade Centre
	Kanazawa Tokyu Hotel		BVLGARI RESORT DUBAI
	OSAKA MARRIOTT MIYAKO HOTEL		Al Maryah Shopping Centre
	Tokyo International Air Terminal		JA Park Hotel, Dubai
Korea	Signiel Hotel	Bahrain	Arabica Courtyard & The Avenues
	IFC Conrad Seoul	Azerbaijian	Sheraton Baku Airport Hotel
	Paradise Hotel & Resort, Inchon	Oman	Al Bustan Palace Hotel
	The Shilla Seoul Hotel		Kempinski Hotel Muscat Oman
	Korean Air T2 Lounge	Qatar	Curio Hotel Mall of Qatar
Europe	SHIATZY CHEN PARIS	Jordan	Hyatt Regency
	London Marriott Hotel Regents Park	Kuwait	Four Seasons
	Ace Hotel		Arabica Kuwait Salhia
	Sportcomplex De meent, Netherland	Lebanon	Club Dining Beirut

Lamp fitting list

	Luci Vivoxy Graze	Luci RECTA	Luci THOF®	Luci Creide® lens	Luci Creide® F
Product name	Luci Vivoxy Graze	Luci RECTA	Luci THOF®	Luci Creide® lens	Luci Creide® F
Model No. / Description page	LVV50-1200-✳-SP-I / P.44	LRE-1003-✳-DF-I / P.52	LTH-1000-NL27-DF-I / P.58	LCEL-1170-✳-DF-I / P.64	LCEF-1170-✳-DF-I / P.64
Length Variation	4 types	10 types	3 types	6 types	6 types
	0300, 0600, 0900, 1200	0103, 0205, 0306, 0407, 0503, 0604, 0705, 0806, 0907, 1003	0100, 0500, 1000 *Refer to the product page for actual length.	0150, 0300, 0510, 0880, 1170, 1460 *Refer to the product page for actual length.	0150, 0300, 0510, 0880, 1170, 1460 *Refer to the product page for actual length.
Diffuser Cover	—	○	○	○	○
Input voltage	Constant Current	DC24V	DC24V	DC24V	DC24V
Power consumption	45W/m @700mA	31.2W/m	31.2W/m (Max)	20.6W/m	20.6W/m
Cross section	27x24 mm	24x39 mm	24x39 mm	17.4x42.5mm	17.4x42.5mm
LED beam angle	15°x32.5°	—	—	—	—
Max. length per circuit	2.7m @700mA	3.3m	4m	5m	5m
Cuttable unit	—	—	—	—	—

Light source color   ○ = Device inventory   ✳ = Equivalent

		Luci Vivoxy Graze	Luci RECTA	Luci THOF®	Luci Creide® lens	Luci Creide® F
D	7100K	-		-	-	-
N	5300K	-	(5000K) Ra 92 ○ 2380 lm		(5000K) -	(5000K) -
W	4200K	(4000K) Ra 86 ○ 3940 lm	(4000K) Ra 92 ○ 2380 lm		(4000K) Ra 92 ○ 1527 lm	(4000K) Ra 92 ○ 1565 lm
WW	3500K	– ○ –	Ra 93 ○ 2303 lm		Ra 93 ○ 1477 lm	Ra 93 ○ 1514 lm
L30	3000K	Ra 88 ○ 3727 lm	Ra 94 ○ 2226 lm		Ra 94 ○ 1428 lm	Ra 94 ○ 1478 lm
L27	2700K	Ra 81 ○ 4228 lm	Ra 93 ○ 2150 lm		Ra 93 ○ 1379 lm	Ra 93 ○ 1399 lm
L24	2400K	-	Ra 93 ○ 1996 lm		Ra 93 ○ 1280 lm	Ra 93 ○ 1310 lm
L21	2100K	(2200K) Ra 82 ○ 3208 lm	-		-	-
L19	1900K	-	-		-	-

Luci THOF® light source (box):

NL27 5000K~2700K ○
Dimming rate
N 100% L27 0%   Ra 92 ○ 1213 lm
N 100% L27 100%   Ra 95 ○ 2370 lm
N 0%   L27 100%   Ra 94 ○ 1096 lm

Specification may be subject to change without announcement.
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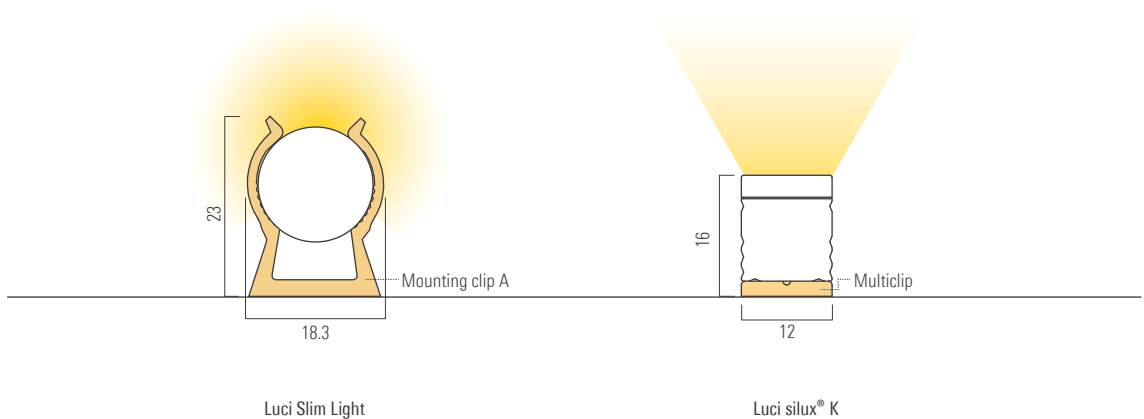**Cross-sectional sizes when mounted**
scale=1:1

24.5 ‑ 48 — Mounting fixture — Luci Vivoxy Graze

39 ‑ 24 — Mounting part — Luci RECTA / Luci THOF®

42.5 ‑ 17.4 — Mounting clip — Luci Creide® lens / Luci Creide® F

Indoor

Rigid Light

Product name	Luci Slim Light	Luci silux® K (13.1 W/m)	**New** Luci silux® K (8.1 W/m)	**New** Luci silux® K (4.3 W/m)
Model No. / Description page	LSM-1000-*-DF-I / P.96	LSXK-1008-*-DF-I-13 / P.74	LSXK-1008-*-DF-I-8 / P.74	LSXK-1008-*-DF-I-4 / P.74
Length Variation	10 types / 0100, 0200, 0300, 0400, 0500, 0600, 0700, 0800, 0900, 1000 / *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
Power consumption	15.4W/m	13.1W/m	8.1W/m	4.3W/m
Cross section	15.2x15.2mm	12x14mm	12x14mm	12x14mm
LED beam angle	—	—	—	—
Max. length per circuit	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

Light source color															
D	7100K	—	*	—		—	*	—		—	*	—		—	*	—
N	5300K	—	*	—	(5000K)	Ra 93	-	620 lm	(5000K)	Ra 93	-	450 lm	(5000K)	Ra 93	-	213 lm
W	4200K	Ra 90	○	696 lm	(4000K)	Ra 94	○	620 lm	(4000K)	Ra 94	○	450 lm	(4000K)	Ra 94	○	213 lm
WW	3500K	Ra 89	○	659 lm		Ra 94	○	594 lm		Ra 94	○	431 lm		Ra 94	○	204 lm
L30	3000K	Ra 85	○	656 lm		Ra 93	○	581 lm		Ra 93	○	421 lm		Ra 93	○	199 lm
L27	2700K	Ra 87	○	606 lm		Ra 93	○	554 lm		Ra 93	○	402 lm		Ra 93	○	190 lm
L24	2400K	Ra 85	○	549 lm*		Ra 94	○	515 lm		Ra 94	○	373 lm		Ra 94	○	177 lm
L21	2100K		-			Ra 90	○	515 lm		Ra 90	○	351 lm		Ra 90	○	166 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.

Cross-sectional sizes when mounted
scale=1:1

23   Mounting clip A
18.3

16   Multiclip
12

Luci Slim Light

Luci silux® K

Lamp fitting list

		Luci nano line			Luci silux® wide K (13.1 W/m)			**New** Luci silux® wide K (8.1 W/m)			**New** Luci silux® wide K (4.3 W/m)		
Product name													
Model No. **Description page**		LNL-0984-✳-DF-I P.102			LSXWK-1008-✳-DF-I-13 P.82			LSXWK-1008-✳-DF-I-8 P.82			LSXWK-1008-✳-DF-I-4 P.82		
Length Variation		10 types			10 types								
		0109, 0206, 0303, 0400, 0498, 0595, 0692, 0789, 0886, 0984			0074, 0259, 0388, 0509, 0573, 0702, 0823, 1008, 1137, 1451								
Diffuser Cover		○			○			○			○		
Input voltage		DC24V			DC24V			DC24V			DC24V		
Power consumption		7.2W/m			13.1W/m			8.1W/m			4.3W/m		
Cross section		5.5x18.8mm			12x18mm			12x18mm			12x18mm		
LED beam angle		—			—			—			—		
Max. length per circuit		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)	Ra 93	✳	811 lm	(5000K)	Ra 93	✳	589 lm	(5000K)	Ra 93	✳	279 lm
W	4200K	Ra 92	○	66 lm	(4000K)	Ra 94	○	811 lm	(4000K)	Ra 94	○	589 lm	(4000K)	Ra 94	○	279 lm
WW	3500K	Ra 91	○	58 lm		Ra 94	○	777 lm		Ra 94	○	564 lm		Ra 94	○	267 lm
L30	3000K	Ra 87	○	65 lm		Ra 93	○	759 lm		Ra 93	○	551 lm		Ra 93	○	261 lm
L27	2700K	Ra 87	○	59 lm		Ra 93	○	725 lm		Ra 93	○	526 lm		Ra 93	○	249 lm
L24	2400K	Ra 85	○	52 lm		Ra 94	○	673 lm		Ra 94	○	488 lm		Ra 94	○	231 lm
L21	2100K		-			Ra 90	○	673 lm		Ra 90	○	426 lm		Ra 90	○	201 lm
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

22.8

Mounting clip A

5.5

20

Multiclip

12
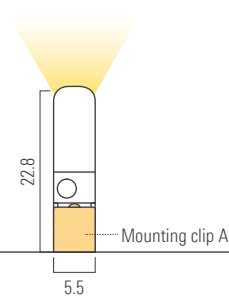
Luci silux® wide K
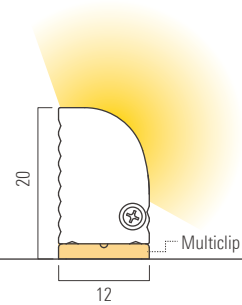
Luci nano line

Indoor

Strip Light

Top bend

3 years warranty

Product name		Renewal 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.112	LFPEX20-1000-✳-CL-I P.112	LFPEX30-1000-✳-CL-I-9 P.112	LFPEX30-1000-✳-CL-I-6 P.112	LFPEX30-1000-✳-CL-I-4 P.112
Custom order	◯ P.115	◯ P.115	◯ P.115	◯ P.115	◯ P.115
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
Dimention	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

		15mm pitch		20mm pitch		30mm pitch (9.5W)		30mm pitch (6.5W)		30mm pitch (4.5W)	
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 94	◯ 556 lm*	Ra 93	◯ 388 lm*
WW	3500K	Ra 93	◯ 1620 lm	Ra 93	◯ 1101 lm	Ra 93	◯ 704 lm*	Ra 93	◯ 564 lm*	Ra 93	◯ 337 lm*
L30	3000K	Ra 94	◯ 1493 lm	Ra 94	◯ 1008 lm	Ra 94	◯ 644 lm*	Ra 94	◯ 522 lm*	Ra 94	◯ 308 lm*
L27	2700K	Ra 93	◯ 1496 lm	Ra 92	◯ 1016 lm	Ra 92	◯ 643 lm*	Ra 92	◯ 516 lm*	Ra 92	◯ 307 lm*
L24	2400K	Ra 93	◯ 1260 lm	Ra 93	◯ 856 lm	Ra 93	◯ 592 lm*	Ra 94	◯ 494 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

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

10.2

Mounting clip for rail

Mounting rail

21.2

Luci Power FLEX EX

Choose by

Lamp fitting list

Product size & Brightness

Application

Project reference

Model No. INDEX

Lamp fitting list

Indoor

Strip Light

Product name	New Luci Power FLEX Spect C	Luci Power FLEX		Luci Power FLEX THOF
LED pitch	20mm pitch	15mm pitch	20mm pitch	20mm pitch
Model No. Description page	LFPSC20-1000-✳-CL-I P.120	LFP15-0900-✳-CL-I P.122	LFP20-1000-✳-CL-I P.122	LFPTH20-1000-✳-CL-I P.128
Custom order	—	◯ P.125	◯ P.125	—
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)
Dimention	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

		Spect C			FLEX 15			FLEX 20			
D	7100K	(6500K) Ra 95	✳	986 lm	Ra 90	✳	875 lm	Ra 90	✳	698 lm	
N	5300K	(5000K) Ra 96	✳	965 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	◯	608lm	Ra 90	◯	459 lm	
L21	2100K	-			-			-			
L19	1900K	-			Ra 70	✳	–	Ra 70	✳	512 lm	
B	Blue	-			–	✳	–	–	✳	–	

NL27   5000K~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

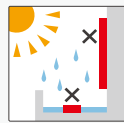Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed.
Please use as reference materials for your planning.

Cross-sectional sizes when mounted
scale=1:1

10.2

Mounting clip for rail

Mounting rail

21.2

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

Indoor

Strip Light

	Luci Flat FLEX F		Luci Power FLEX α	Luci FLEX α F
	Top bend / 3 years warranty		Side bend / 3 years warranty	Side bend / 3 years warranty
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.132	LFTF16-1000-✳-CL-I P.132	LFPA20-0960-✳-CL-I P.138	LFXF10-1000-✳-CL-I P.142
Custom order	○ P.135	○ P.135	-	○ P.145
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
Dimention	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

| Light source color		Luci Flat FLEX F (10mm)			Luci Flat FLEX F (16mm)			Luci Power FLEX α			Luci FLEX α F		
D	7100K	Ra 94	✳	324 lm	Ra 94	✳	—		-		Ra 74	✳	331 lm*
N	5300K	Ra 94	✳	329 lm*	Ra 94	✳	–	Ra 90	✳	613 lm*		-	
W	4200K	Ra 90	✳	294 lm	Ra 90	✳	–	Ra 90	○	640 lm*	Ra 70	○	330 lm*
WW	3500K	Ra 90	✳	305 lm	Ra 90	✳	–	Ra 90	○	613 lm*	Ra 75	✳	281 lm*
L30	3000K	Ra 90	○	300 lm	Ra 90	○	187 lm*	Ra 90	○	555 lm*	Ra 70	○	302 lm
L27	2700K	Ra 87	○	282 lm	Ra 87	○	176 lm*	Ra 90	○	540 lm*	Ra 71	○	253 lm*
L24	2400K	Ra 83	○	229 lm*	Ra 83	○	143 lm*	Ra 90	○	440 lm*	Ra 65	✳	245 lm
L21	2100K		-			-			-			-	
L19	1900K		-			-		Ra 70	✳	492 lm*		-	

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Please use as reference materials for your planning.

Cross-sectional sizes when mounted

scale=1:1

Luci Flat FLEX F — 9.8 — 16.4 — Mounting clip for rail / Mounting rail

Luci Power FLEX α — 16 — 17.4 — Mounting clip for rail / Mounting Parts

Luci FLEX α F — 14 — 26.5 — Mounting clip for rail / Mounting rail
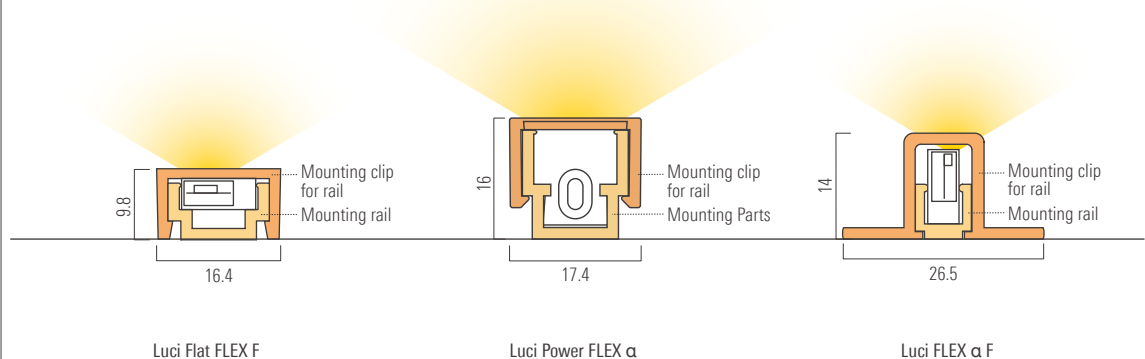
Lamp fitting list

Rigid Light

Product name	Luci EFRO IP65	Renewal Power LEDs Line IP65	LEDs Bar IP65	Renewal LEDs Line Hi IP67
Model No. Description page	LRO-1142-∗-DF-IW P.150	L-ELA9K2-096∗∗∗-24C-P P.158	L-ELS7K1-098∗∗∗-24 P.164	L-ELR9K2-098∗∗∗-M-24 P.170
Length Variation	5 types	12 types	12 types	12 types
	0162, 0302, 0582, 0862, 1142	012, 024, 036, 048, 060, 072, 084, 096, 108, 120, 132, 144 *Refer to the product page for actual length.	014, 026, 038, 050, 062, 074, 086, 098, 110, 122, 134, 146 *Refer to the product page for actual length.	014, 026, 038, 050, 062, 074, 086, 098, 110, 122, 134, 146 *Refer to the product page for actual length.
Diffuser Cover	○	○	○	○
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	6.9m	6.9m
Cuttable unit	—	—	—	—

Light source color   ○ = Device inventory   ∗ = Equivalent

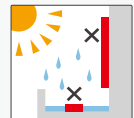|		Luci EFRO IP65			Power LEDs Line IP65			LEDs Bar IP65			LEDs Line Hi IP67		
D	7100K	-											
N	5300K	(5000K)	—	∗ —									
W	4200K	(4000K)	Ra 94 ○	802 lm	(4000K)	Ra 83 ○	1820 lm	(4000K)	Ra 82 ○	850 lm	(4000K)	Ra 83 ○	960 lm
WW	3500K		Ra 94 ○	862 lm		Ra 83 ○	1820 lm		Ra 82 ○	810 lm		Ra 83 ○	960 lm
L30	3000K		Ra 93 ○	688 lm		Ra 83 ○	1820 lm		Ra 82 ○	790 lm		Ra 83 ○	960 lm
L27	2700K		Ra 93 ○	697 lm		Ra 83 ○	1760 lm		Ra 82 ○	780 lm		Ra 83 ○	930 lm
L24	2400K		Ra 94 ○	662 lm									
L21	2100K	-											
L19	1900K	-											

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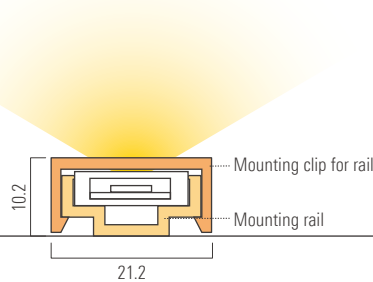Please use as reference materials for your planning.

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:

- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Prohibited installation places:

- water directly fall on or pooled
- liquids including chroline or chemicals fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Cross-sectional sizes when mounted
scale=1:1

Mounting clip

36.0

25.0

24

35

Mounting clip
15.3
24.2

Mounting clip
14.4
23.8

Luci EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

Lamp fitting list

Choose by

Lamp fitting list

Product size & Brightness

Application

Project reference

Model No. INDEX

Outdoor

Strip Light

Top bend

Product name	Renewal Luci UQ FLEX IP67 (16W/m)	New Luci UQ FLEX IP67 (12W/m)	New Luci UQ FLEX IP67 (8W/m)
LED pitch	-	-	-
Model No. Description page	LFU-T✳✳-✳-DF-O-16 P.176	LFU-T✳✳-✳-DF-O-12 P.176	LFU-T✳✳-✳-DF-O-8 P.176
Custom order	◯ P.176	◯ P.176	◯ P.176
Max. customised Length	5m (using Indoor) / 2m (using Outdoor)		
Diffuser Tube	◯	◯	◯
Input voltage	DC24V	DC24V	DC24V
Power consumption	15.8 W/m	12 W/m	8 W/m
Dimention	*x16x15mm	*x16x15mm	*x16x15mm
LED beam angle	—	—	—
Max. length per circuit	10m	10m	10m
Cuttable unit	Do not cut the custom-ordered drip-proof products at a job site.		

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

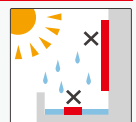|								
D	6500K	-	✳	–	✳	–	✳	–
N	5300K	-	✳	–	✳	–	✳	–
W	4200K	Ra 84	◯	1079 lm	◯	852 lm	◯	587 lm
WW	3500K	-	✳	–	✳	–	✳	–
L30	3000K	Ra 82	◯	1060 lm	◯	837 lm	◯	576 lm
L27	2700K	Ra 80	◯	983 lm	◯	776 lm	◯	535 lm
L24	2400K	Ra 80	◯	954 lm	◯	753 lm	◯	519 lm
L21	2100K	-	✳	–	✳	–	✳	–
L19	1900K	-	✳	–	✳	–	✳	–

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.
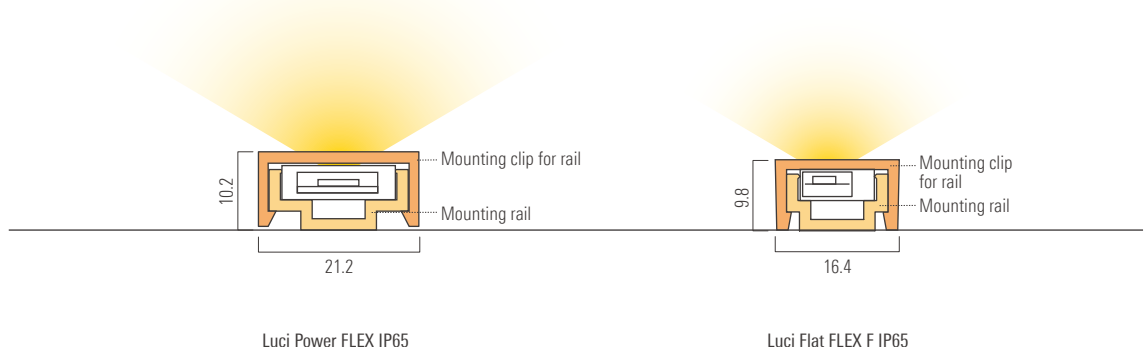
Caution:

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 fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

46.5

Mounting Rail B

26
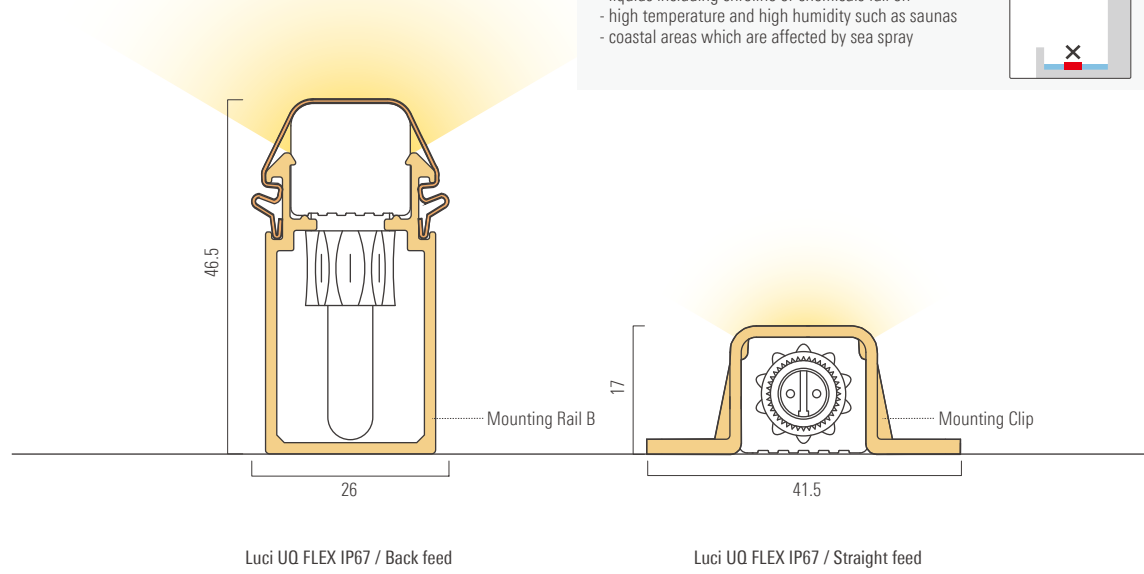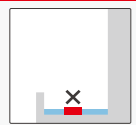
Luci UQ FLEX IP67 / Back feed

17

Mounting Clip

41.5

Luci UQ FLEX IP67 / Straight feed

Lamp fitting list

Top bend

3 years warranty

Product name		Renewal 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.186	LFPEX20-1000-∗-CL-O P.186	LFPEX30-1000-∗-CL-O-9 P.186	LFPEX30-1000-∗-CL-O-6 P.186	LFPEX30-1000-∗-CL-O-4 P.186
Custom order	◯ P.189	◯ P.189	◯ P.189	◯ P.189	◯ P.189
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
Dimention	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm	1011x15x4.5mm
LED beam angle	120°	120°	120°	120°	120°
Max. length per circuit	3m	5m	5m	5m	5m
Cuttable unit	Do not cut the custom-ordered drip-proof products at a job site.				
Light source color	◯ = Device inventory ∗ = Please contact us since it is made-to-order products and has MOQ. * = Equivalent				

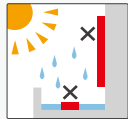|		15mm pitch		20mm pitch		30mm pitch (9.5W)		30mm pitch (6.5W)		30mm pitch (4.5W)	
D	6500K	-		-		-		-		-	
N	5300K	Ra 92	∗ 1692 lm	Ra 92	∗ 1150 lm	Ra 92	∗ 847 lm	Ra 92	∗ 536 lm	Ra 92	∗ 405 lm
W	4200K	Ra 93	◯ 1680 lm	Ra 93	◯ 1125 lm	Ra 93	◯ 812 lm*	Ra 94	◯ 556 lm*	Ra 93	◯ 388 lm*
WW	3500K	Ra 93	◯ 1620 lm	Ra 93	◯ 1101 lm	Ra 93	◯ 704 lm*	Ra 93	◯ 564 lm*	Ra 93	◯ 337 lm*
L30	3000K	Ra 94	◯ 1493 lm	Ra 94	◯ 1008 lm	Ra 94	◯ 644 lm*	Ra 94	◯ 522 lm*	Ra 94	◯ 308 lm*
L27	2700K	Ra 93	◯ 1496 lm	Ra 92	◯ 1016 lm	Ra 92	◯ 643 lm*	Ra 92	◯ 516 lm*	Ra 92	◯ 307 lm*
L24	2400K	Ra 93	◯ 1260 lm	Ra 93	◯ 856 lm	Ra 93	◯ 592 lm*	Ra 94	◯ 494 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

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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.
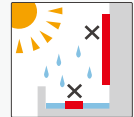Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Prohibited installation places:

- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- high temperature and high humidity such as saunas
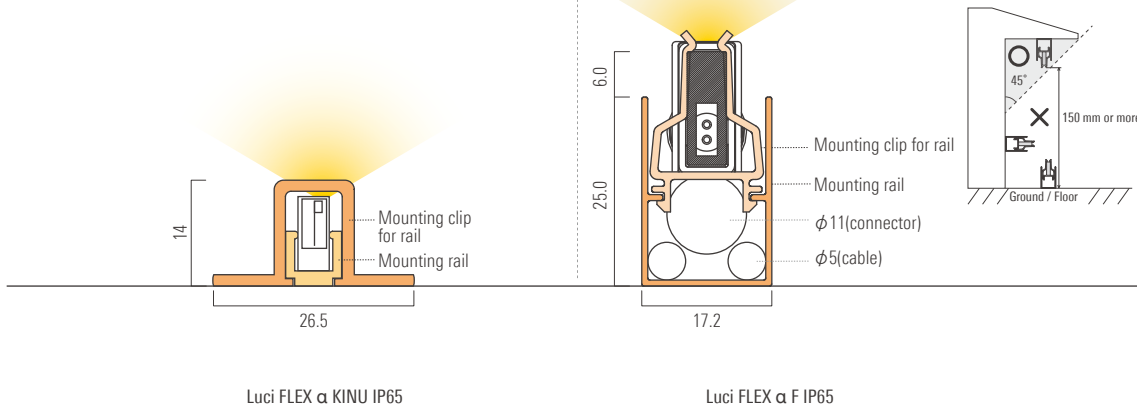- coastal areas which are affected by sea spray

Cross-sectional sizes
when mounted

scale=1:1

10.2

Mounting clip for rail

Mounting rail

21.2

Luci Power FLEX EX IP65

Outdoor
Strip Light

	Luci Power FLEX IP65		Luci Flat FLEX F IP65	
Product name	Luci Power FLEX IP65		Luci Flat FLEX F IP65	
LED pitch	15mm pitch	20mm pitch	10mm pitch	16mm pitch
Model No. Description page	LFP15-0900-✱-CL-O P.190	LFP20-1000-✱-CL-O P.190	LFTF10-1000-✱-CL-O P.194	LFTF16-1000-✱-CL-O P.194
Custom order	○ P.193	○ P.193	○ P.197	○ P.197
Max. customised Length	4.5m	5m	5m	5m
Diffuser Tube	○	○	○	○
Input voltage	DC24V	DC24V	DC24V	DC24V
Power consumption	15.4W/m	10.5W/m	3.9W/m	2.5W/m
Dimention	911x15x4.5mm	1011x15x4.5mm	1010x9.8x4mm	1010x9.8x4mm
LED beam angle	120°	120°	120°	120°
Max. length per circuit	4.5m	5m	5m	5m
Cuttable unit	Do not cut the custom-ordered drip-proof products at a job site.			

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

Code	K	15mm Ra		lm	20mm Ra		lm	10mm Ra		lm	16mm Ra		lm
D	7100K	Ra 90	✱	875 lm	Ra 90	✱	698 lm	Ra 94	✱	324 lm	Ra 94	✱	–
N	5300K	Ra 90	✱	875 lm	Ra 90	✱	639 lm	Ra 94	✱	329 lm*	Ra 94	✱	–
W	4000K	Ra 90	○	818 lm	Ra 90	○	667 lm	Ra 90	✱	294 lm	Ra 90	✱	–
WW	3500K	Ra 90	○	774 lm	Ra 90	○	639 lm	Ra 90	✱	305 lm	Ra 90	✱	–
L30	3000K	Ra 90	○	710 lm	Ra 90	○	579 lm	Ra 90	○	300 lm	Ra 90	○	187 lm*
L27	2700K	Ra 90	○	711 lm	Ra 90	○	563 lm	Ra 87	○	282 lm	Ra 87	○	176 lm*
L24	2400K	Ra 90	○	608 lm	Ra 90	○	459 lm	Ra 83	○	229 lm*	Ra 83	○	143 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:
- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Cross-sectional sizes when mounted
scale=1:1

10.2 ···· Mounting clip for rail
···· Mounting rail
21.2

Luci Power FLEX IP65

9.8 ···· Mounting clip for rail
···· Mounting rail
16.4

Luci Flat FLEX F IP65

Choose by
Lamp fitting list
Product size & Brightness
Application
Project reference
Model No. INDEX

Lamp fitting list

Strip Light

	Luci FLEX α F IP65	New Luci FLEX α KINU IP65
	Side bend — 3 years warranty	Side bend — 3 years warranty
Product name	Luci FLEX α F IP65	New Luci FLEX α KINU IP65
LED pitch	10mm pitch	—
Model No. **Description page**	LFXF10-1000-*-CL-O P.198	LFXK-1000-*-DF-O P.202
Custom order	○ P.201	○
Max. customised Length	5m	5m
Diffuser Tube	○	○
Input voltage	DC24V	DC24V
Power consumption	3.9W/m	4.8W/m
Dimention	1010x9.8x4mm	1026x15x4.5mm
LED beam angle	120°	—
Max. length per circuit	5m	5m
Cuttable unit	**Do not cut the custom-ordered drip-proof products at a job site.**	

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

		Luci FLEX α F IP65			Luci FLEX α KINU IP65		
D	7100K	Ra 74	*	331 lm*		-	
N	5300K		-			-	
W	4000K	Ra 70	○	330 lm*	Ra 87	○	270 lm*
WW	3500K	Ra 75	*	281 lm*		-	
L30	3000K	Ra 70	○	302 lm	Ra 87	○	260 lm*
L27	2700K	Ra 71	○	253 lm*	Ra 87	○	223 lm*
L24	2400K	Ra 65	*	245 lm	Ra 77	○	243 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.

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:

- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Prohibited installation places:

When using FLEX α KINU in semi-outdoor, it must be installed with the aluminum rail for FLEX α KINU. Please installed the LED fixture and the cable within the range of 45° eaves of the roof and 150 mm or more away from the ground or the floor. Please do not install the LED fixture and cables in the following place:

- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chlorine or chemicals fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Cross-sectional sizes when mounted

scale=1:1

Mounting clip for rail
Mounting rail

14

26.5

Luci FLEX α KINU IP65

6.0

25.0

Mounting clip for rail
Mounting rail
φ11(connector)
φ5(cable)

17.2

45°
150 mm or more
Ground / Floor

Luci FLEX α F IP65

Lamp fitting list

Choose by

Lamp fitting list

Product size & Brightness

Application

Project reference

Model No. INDEX

Product size & Brightness

All of these data belong to L27.

Luci Vivoxy Graze Indoor `P.44`

3523 lm/m	Ra 81	45 w/m
(700mA)		

W	WW	L30	L27	L22

27

24.5

48
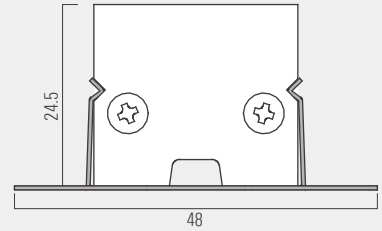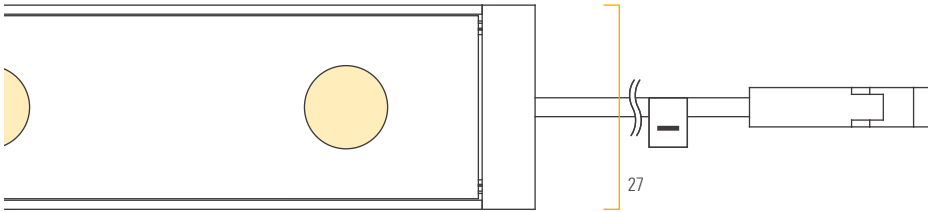
Luci RECTA `P.52`

2150 lm/m	Ra 93	31.2 w/m

N	W	WW	L30	L27	L24

24

39

24
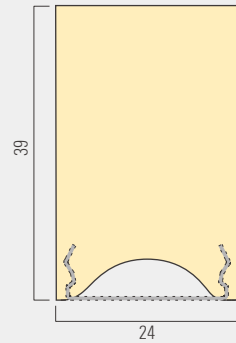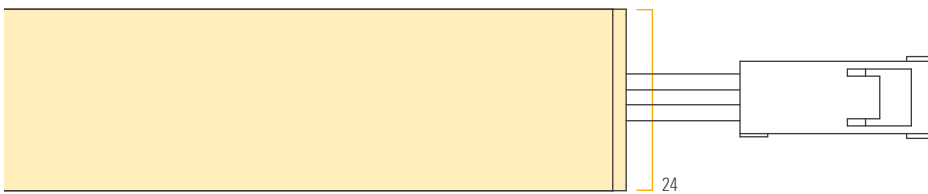
Luci THOF® `P.58`

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

NL27

24

39

24
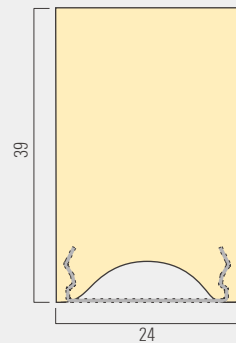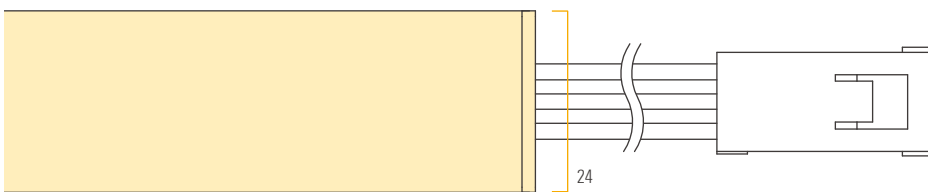
Luci Creide® lens `P.64`

1178lm/m	Ra 93	20.6 w/m

W	WW	L30	L27	L24

Luci Creide® F `P.64`

1195 lm/m	Ra 93	20.6 w/m

W	WW	L30	L27	L24

17.4

17.4

42.5
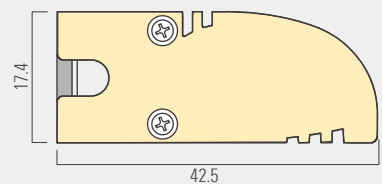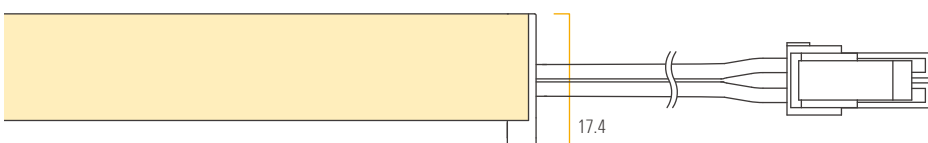
Indoor | **Rigid Light**

All of these data belong to L27.

Luci silux® K   P.74   Renewal

| 549 lm/m | Ra 93 | 13.1 w/m |

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

16

12

12
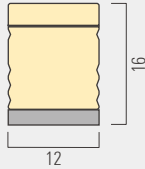
Luci silux® wide K   P.82   Renewal

| 719 lm/m | Ra 93 | 13.1 w/m |

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

12

20

12
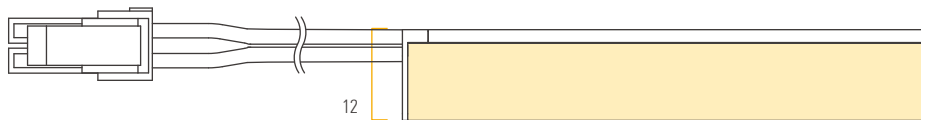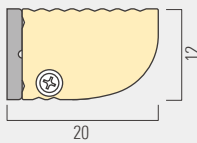
Luci nano line   P.102

| 59 lm/m | Ra 87 | 7.2 w/m |

N | W | WW | L30 | L27 | L24

22.8

5.5

5.5
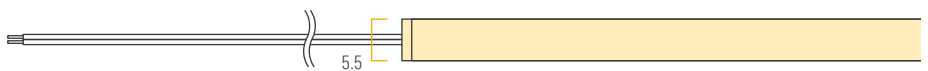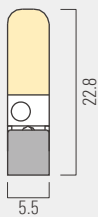
Luci Slim Light Indoor   P.96

| 606 lm/m | Ra 87 | 15.4 w/m |

D* | N* | W | WW | L30 | L27 | L24
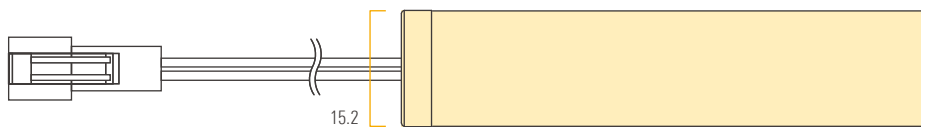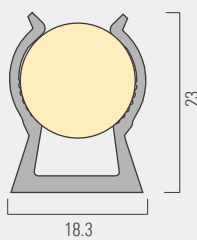
23

18.3

15.2

Product size & Brightness

Strip Light

All of these data belong to L27.

Luci Power FLEX EX 15mm pitch Indoor P.112 Renewal

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

Luci Power FLEX Spect C 20mm pitch Indoor P.120 New

| - lm/m | Ra 96 | 14.2 w/m | D * | N * |

10.2
21.2
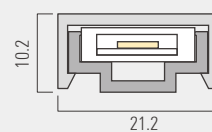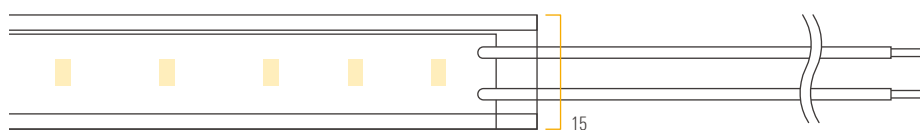
Luci Power FLEX 15mm pitch Indoor P.122

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

Luci Power FLEX THOF Indoor P.128

| 326 lm/m | Ra 86 | 11 w/m | NL27 | L30L19 |

(NL27 N:0% L27:100%)

10.2
21.2
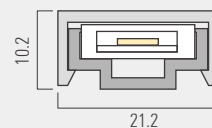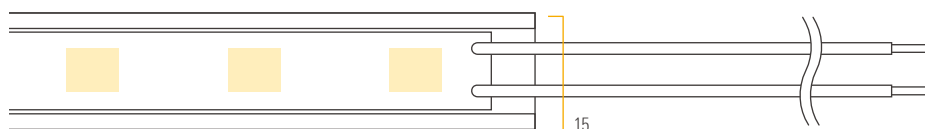
Luci Flat FLEX F 10mm pitch Indoor P.132

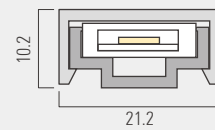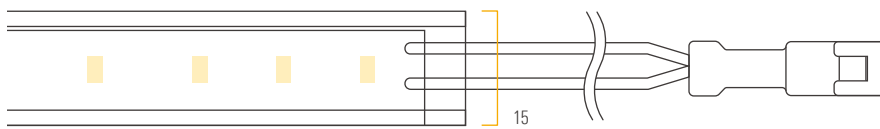| 282 lm/m | Ra 87 | 3.9 w/m | D * | N | W | WW * | L30 * | L27 | L24 |

9.8
16.4
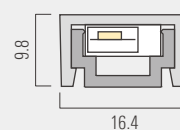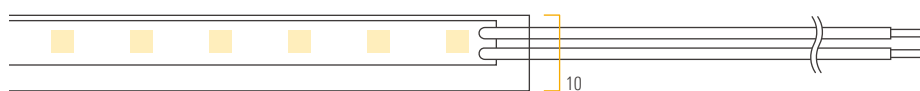
Indoor   **Strip Light**

All of these data belong to L27.

Luci Power FLEX α 20mm pitch Indoor   P.138

| 562 lm/m | Ra 90 | 10.4 w/m | N * | W | WW | L30 | L27 | L24 | L19 * |

16

17.4

13.7
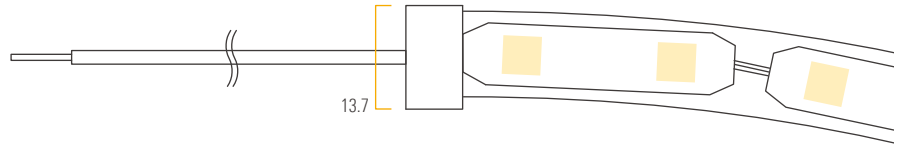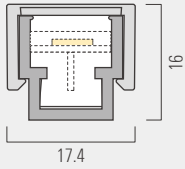
Luci FLEX α F 10mm pitch Indoor   P.142

| 252 lm/m | Ra 71 | 3.9 w/m | D * | W | WW * | L30 | L27 | L24 * |

14

26.5

4

Choose by

Lamp fitting list

Product size & Brightness

Application

Project reference

Model No. INDEX

Product size & Brightness

All of these data belong to L27.

Luci EFRO IP65 P.150

606 lm/m	Ra 93	8.4 w/m

N* W WW L30 L27 L24

24.6

36

25
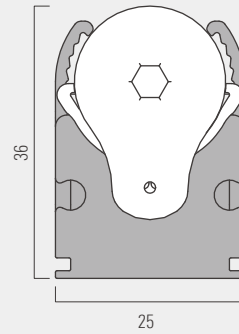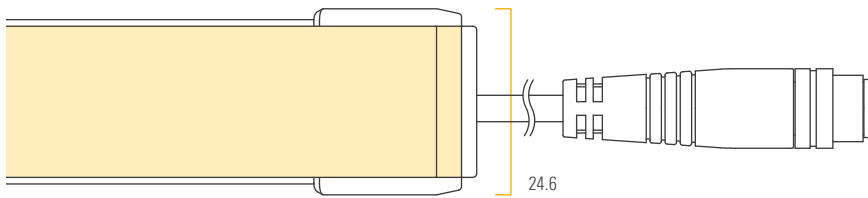
Power LEDs Line IP65 P.158

1575 lm/m	Ra 83	19.8 w/m

W WW L30 L27

25

24

35
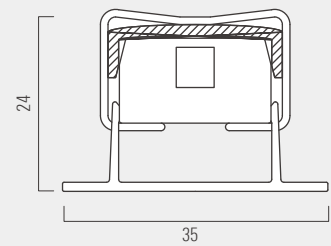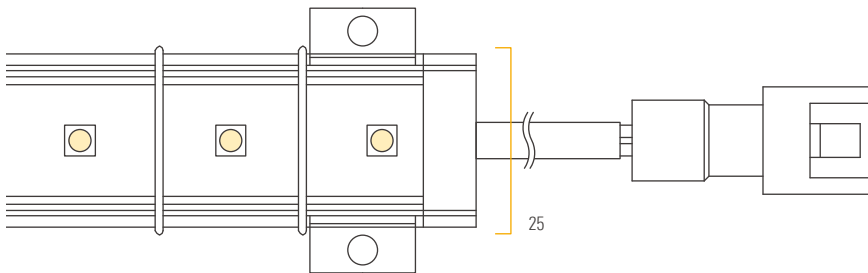
LEDs Bar IP65 P.164

780 lm/m	Ra 82	7.8 w/m

W WW L30 L27

13.6

15.3

24.2
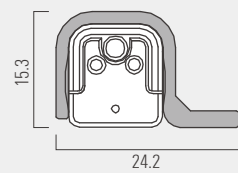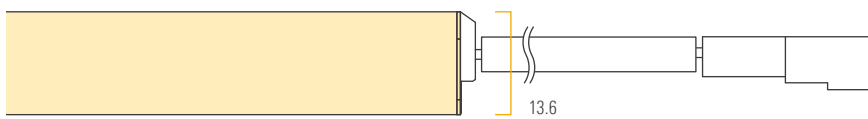
LEDs Line Hi IP67 P.170

780 lm/m	Ra 83	7.8 w/m

W WW L30 L27

13.8

14.4

23.8

Outdoor | **Strip Light**

All of these data belong to L27.

25.2

22

25.2

49
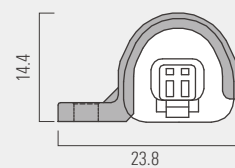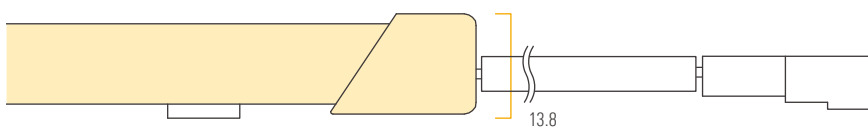
Luci UQ FLEX IP67 P.176 Renewal

983 lm/m	Ra 80	15.8 w/m

| D* | N* | W | WW* | L30 | L27 | L24 | L21* | L19* |
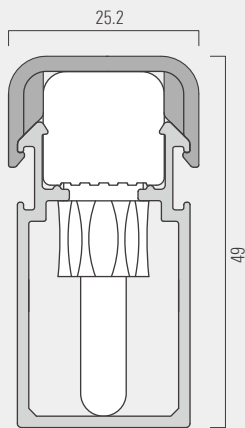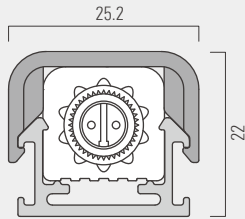
Straight feed
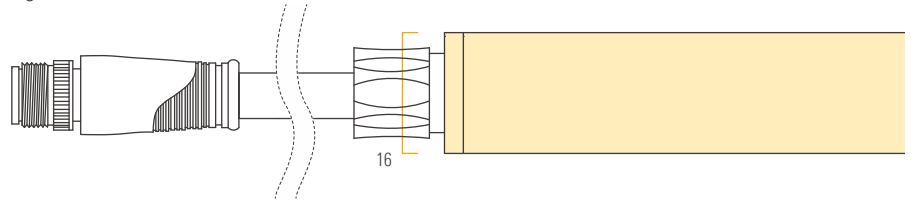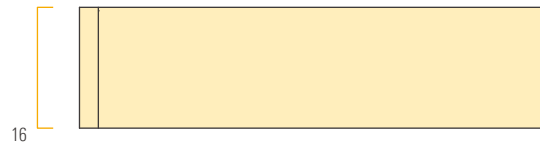
16

Back feed

16

Product size & Brightness

All of these data belong to L27.

Luci Power FLEX EX 15mm pitch IP65　P.186　Renewal

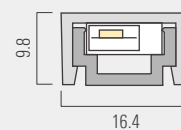| 1496 lm/m | Ra 93 | 18.2 w/m | | W | WW | L30 | L27 | L24 | L21* | L19* |

10.2
21.2

Luci Power FLEX 15mm pitch IP65　P.190

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

10.2
21.2
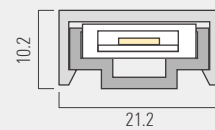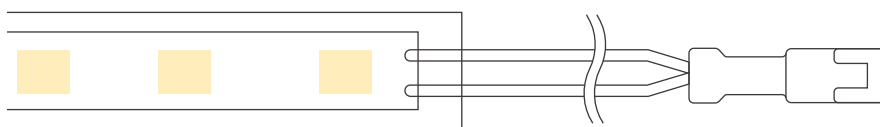
Luci Flat FLEX F 10mm pitch IP65　P.194

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

9.8
16.4
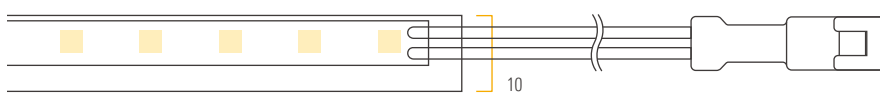
Outdoor | **Strip Light**

All of these data belong to L27.

Luci FLEX α F 10mm pitch IP65

252 lm/m	Ra 71	3.9 w/m

D*	W	WW*	L30	L27	L24*

14
26.5
4
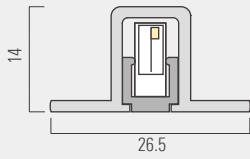
Luci FLEX α KINU IP65   New

223 lm/m	Ra 87	4.8 w/m

WW	L30	L27	L24

6
25
17.2
φ11(connector)
φ5(cable)
9.2
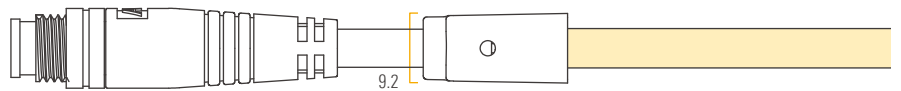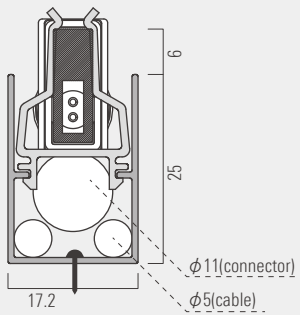
Application

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 980lm | 12W 770lm | 8W 530lm   P.176
Fully dot free, minimum bending radius of 300 mm. Highly customizable which is up to 2m. Original silicone material with high weather resistance is used, and it is less deteriorated by UV.

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.150
Ideal for large installation space. Can bring the indirect lighting of soft and smooth effect by the circular cross-section lighting.

■ Power LEDs line IP65 (for downward)   19.2W 1570lm   P.158
Ideal for small installation space. Light spreads beautifully with three sided light emission.

C Grazing light for facade (upward / downward)

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

■ Luci UQ FLEX IP67 (for upward)   15.8W 980lm | 12W 770lm | 8W 530lm   P.176
Fully dot free, minimum bending radius of 300 mm. Highly customizable which is up to 2m. Original silicone material with high weather resistance is used, and it is less deteriorated by UV. Choice of 2 type cable feed make it possible to correspond to various site installation environment.

■ Power LEDs line IP65 (for downward)   19.2W 1570lm   P.158
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.186
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 series IP65   3.9W 280lm | 2.5W 180lm   P.194
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

Place the light inside a handrail to shine walkway and baluster. Side bend flexible light is suitable for a curved area. For stair, various lenght of light fixture and mounting parts which can hold the lighting fixture not to drop off will be required.

■ Luci FLEX KINU α IP65   4.8W 220lm   P.202
Semi diffused tube is suitable for reflected floor material and where people can see directly. Due to special circuit design, long wiring maximum 75m is possible in case there is no place to install a LED driver close with LED fixtures.

■ Luci FLEX α IP65   3.9W 250lm   P.198
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.
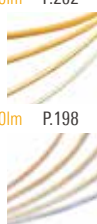
F Under bench

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

■ Luci EFRO IP65   8.4W 610 lm   P.150
700lm/m which is appropriate brightness for landscape. High CRI is good for real color of tile and stone material.

■ Luci Flat FLEX series IP65   3.9W 280lm | 2.5W 180lm   P.194
2.5W/m or 3.9W/m could be chosen which is ideal for landscape lighting where is not necessary high brightness.
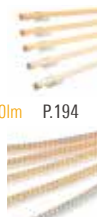
G Bathroom cove, cornice, grazing light

Steam-proof is required for everyday bathroom use. The cove and grazing lighting are suitable for bathroom enhancing relaxating 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.150
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.158
Powerful 1500lm light and choice of extrusion lens provide ideal grazing light for bathroom.
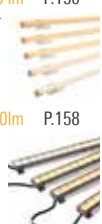
H Mirror light, vanity light

When 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.150
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 980lm | 12W 770lm | 8W 530lm   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.
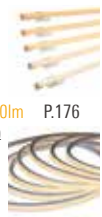
A | Wall grazing, curtain box

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

■ **Luci Vivoxy Graze Indoor**   45W 3520lm | 31W 2680lm | 21W 1980lm   P.44
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 light is maximized spreading.

■ **Luci Creide lens**   20.6W 1180lm   P.64
There is an extrusion lens in the diffuser 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 ceiling higher 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.64
Dot-free, high enough lumen output with good appearance for direct lighting or cove lightitng.

■ **Luci Power FLEX EX series**   P.112
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.

C | Recessed line

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

■ **Luci nano Line**   7.2W 59lm   P.102
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 maintainace is difficult.

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.138
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.112
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.

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.52
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.

Application

Choose by

Lamp fitting list

Product size & Brightness

Application

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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.74, 82

| 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; quoter circular shape, suitable for lighting to the back of the shelf.

■ Luci Slim light   15.4W 606lm   P.96

Circular shape light with tilting parts, suitable for wardrobe lighting to light whole inner space evenly.

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.74

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.112

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 series   3.9W 280lm \| 2.5W 180lm   P.132

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.

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.58

Square shaped rigid light, max 2370 lm/m. Idear for surface mount, cove light where is required high brightness.

■ Luci Power FLEX THOF   11W 660lm   P.128

Strip light with soft acrylic clear tube, max 660 lm/m. Idear for indirect light, curved cove light.

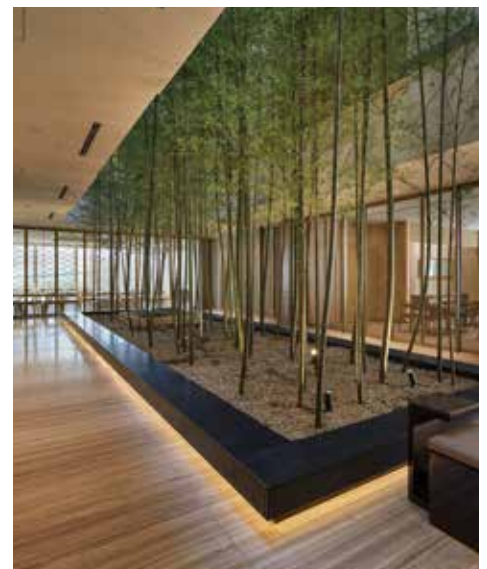# Project reference
Hotel

THE KITANO HOTEL TOKYO
Japan

Architect office: TakenakaCorporation
Lighting Design: TakenakaCorporation
Construction: TakenakaCorporation
Photo: Nacasa & Partners Inc.

Rits Carlton Langkawi
Malaysia
Architect office: STRICKLAND Inc.
Lighting Design: Lightmoment
Photo: Zoom Inc.

Luci Power FLEX 20mm pitch Indoor
Warm white 2700K
P.122

Luci Power FLEX Indoor

Commercial

Zepp Fukuoka
Japan
Architect office: Zepp Hall Network Inc.
Design and Construction: Takenaka Corporation
Photo: Aioi Pro Photo CO.,LTD.

Luci silux® K
Natural white
P.74

Luci silux® K

TOKYO MIDTOWN HIBIYA
Japan
Architect office: NOMURA Co.,Ltd.
Lighting Design: Noosa Design Co.,Ltd.
Construction: KAJIMA CORPORATION
Photo: Nacasa & Partners Inc.

Luci Power FLEX THOF
Natual white - Warm white 2700K
P.128

Luci Power FLEX 20mm pitch Indoor
Warm white 2700K
P.122

Luci Power FLEX THOF ▼

▼

▲

Luci Power FLEX Indoor ▼

◀ Luci Power FLEX Indoor

▲

▼

Office

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

Luci Power FLEX EX 30mm pitch Indoor
Warm white 3000K
P.112

Luci Vivoxy Graze
Warm white 3000K
P.44

▲
Luci Vivoxy Graze

Luci Power FLEX EX Indoor
▼

Luci Power FLEX EX Indoor
▼

Residence

The Pakubuwono Spring
Indonesia
Lighting Design: Lumina Group
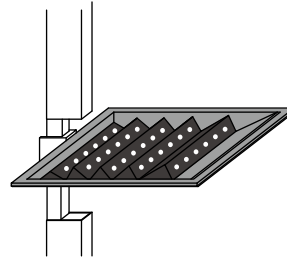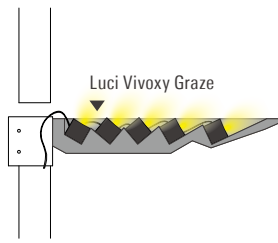
Luci Vivoxy Graze

Luci Vivoxy Graze
Warm white 2700K
P.44
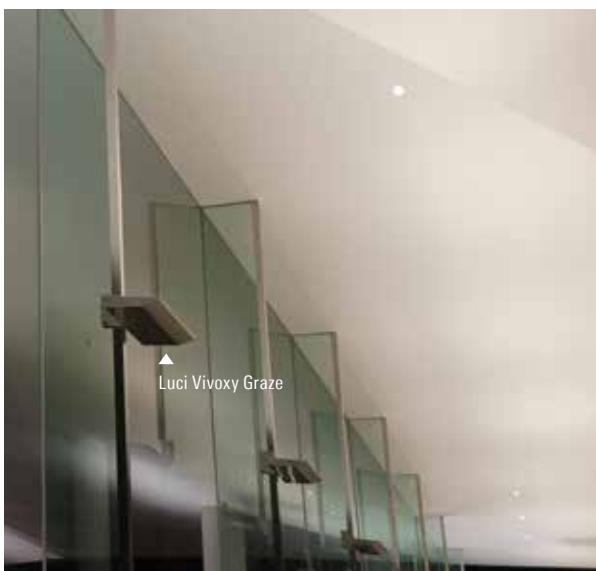
Luci Vivoxy Graze

Retail

Siam Takashimaya
Thailand

Luci Power FLEX EX 15mm pitch Indoor

P.112

Luci Power FLEX 20mm pitch Indoor

P.122

Luci silux® K

P.74

Luci Power FLEX EX Indoor
▼

Luci Power FLEX Indoor
▼

Luci silux® K
▼

chagama Hong Kong
Hong Kong
Client: MARUMO MORI Co., Ltd.
Design: Sakai Design Associates

Luci Power FLEX 20mm pitch Indoor
Warm white 2700K
P.122

Luci silux® K
Warm white 2700K
P.74

Luci Creide® lens
Warm white 2700K
P.64

Luci Creide lens

Luci Power FLEX Indoor
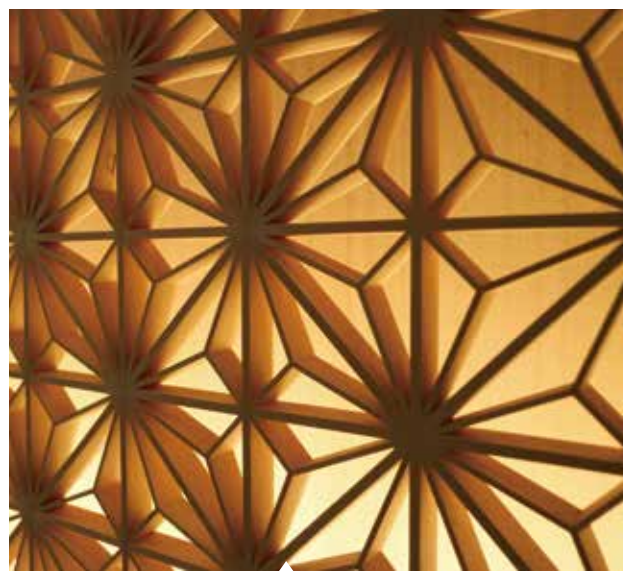
Luci silux® K

Restaurant

Sanwa Jo
Hong Kong

Luci Power FLEX 20mm pitch Indoor/IP65
Warm white 2700K
P.122

Luci silux® K
Warm white 2700K
P.74

Luci Power FLEX IP65
▼

Luci silux® K
▼

Luci Power FLEX Indoor
▼

THE CONDER HOUSE

Japan

Architect office: HIRSCH BEDNER ASSOCIATES
Lighting Design: Lightmoment Inc.
Construction: TOBISHIMA CORPORATION
Photo: Nacasa & Partners Inc.

Luci silux® wide K
Warm white 2700K
P.82

Luci silux® wide K

Restaurant

Mahanakorn - Sky Bar
Thailand
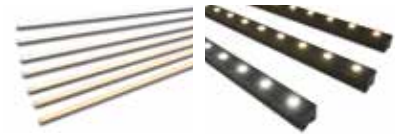
Luci silux® K
Warm white 2400K
P.74

Luci Vivoxy Graze
Warm white 3000K
P.44

Luci silux® K

Luci Vivoxy Graze

Religious spaces

Singapore Buddhist Lodge
Singapore
Architect office: Multiply Architects & Engineers LLP
Interior Design: Shanghai Interior Circle
Lighting Design: Light Collab LLP
Photo: ND Photography

Luci silux® wide K
Warm white 2700K
P.82

Luci Creide® lens
Warm white 2700K
P.64

Luci Creide lens

Luci silux® wide K

Luci Creide lens
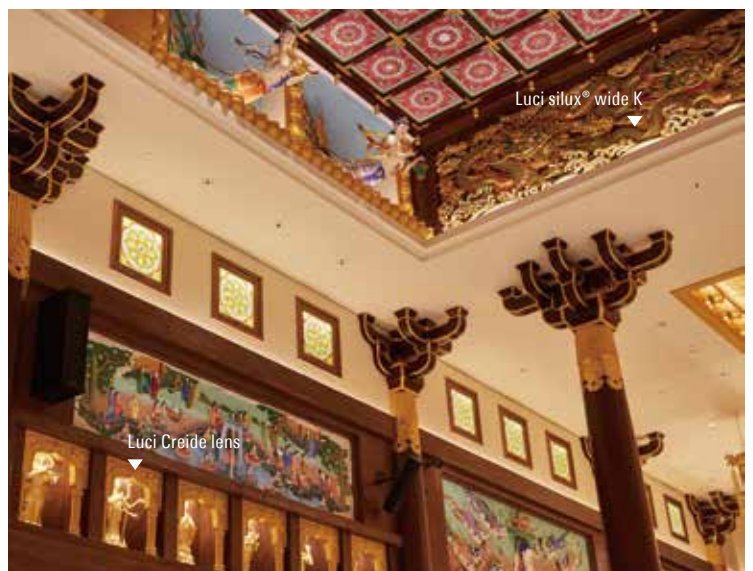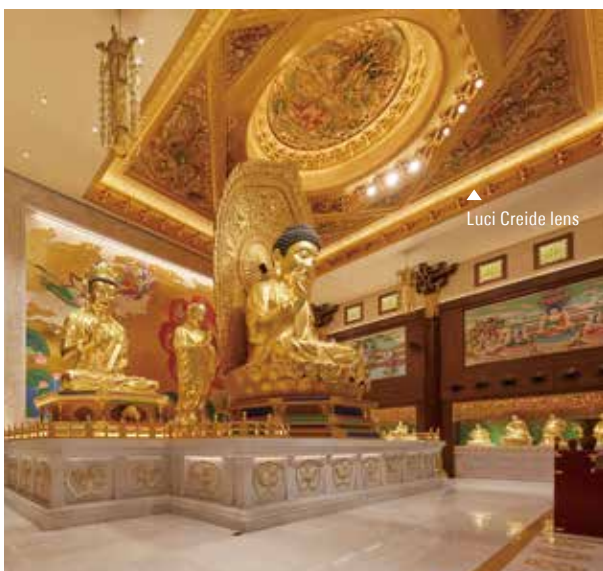
LVV
Luci Vivoxy Graze Indoor

Realize maximum brightness using minimal space

Sharp and uniform lightning that leaves lasting impression.

Tanah Merah Country Club
Singapore
Photo: Rober Such
Products: Luci Vivoxy Graze Indoor, Warm white 2700K

SPACES Sun House
Hong Kong
Client: Spaces.
Architect office: Shadow Design Limited
Products: Luci Vivoxy Graze Indoor, Warm white 3000K

Vivoxy Graze

Grazing Light to beautifully accentuate the element of a wall

-27mm W * 24mm H compact size!
-Over 3000 lm/w with 700mA constant current.

500 mA

LVV

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

5 color variations

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

4 lengths

length 1200mm

length 900mm

length 600mm

length 300mm

Consistency of LED pitch

50mm

50mm

Seamless connection
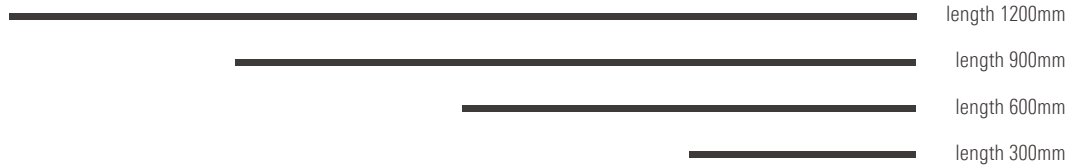
Louver for Cutting Glare

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.

External dimensions

Glare cut off angle
60°

32.7

56.7

32

A-A

A

B

B

A

Glare cut off angle
50°

Louver

150

B-B
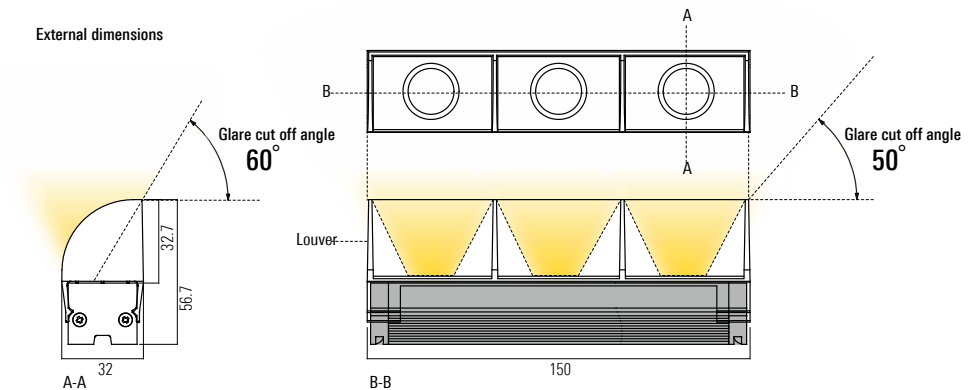
New Customised Option

Vivoxy Graze Dinamic White

Two CCT of LED are arranged alternately in the gap of 50 mm, and each color can be controlled individually with 2 ch signals. The length variation is 600 mm and 1200 mm. Power consumption will be 26 W/1200mm(350 mA) ～ 54W/1200mm(700mA), which is the same as nomal Vivoxy. Please contact us for MOQ. specification.

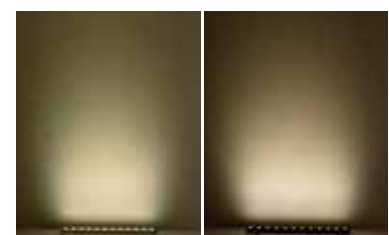Distance from wall / L:100% W:100%
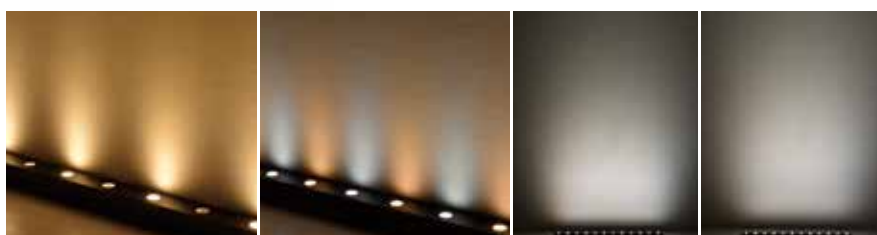
| L:100% W:0% | L:100% W:100% | 100mm | 150mm |

High color rendering type

3000K: Ra 92, 2700K: Ra 9x is available upon request.Please contact us for MOQ and lead time.

| 3000K CRI 88 | 3000K CRI 92 |

Vivoxy Graze

LVV

Color management
ANSI BIN CE

- For grazing light with asymmetry spread lens 15°x 32°
- 3 differenct brightness by choosing 300mA, 500mA or 750mA C.C driver
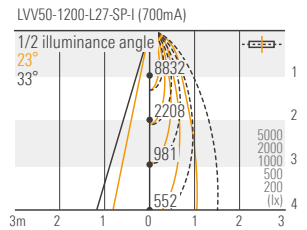- Adjustable bracket and louver is available

Model No.

LVV50 - ☐☐☐☐ - ☐ - **SP** - **I**

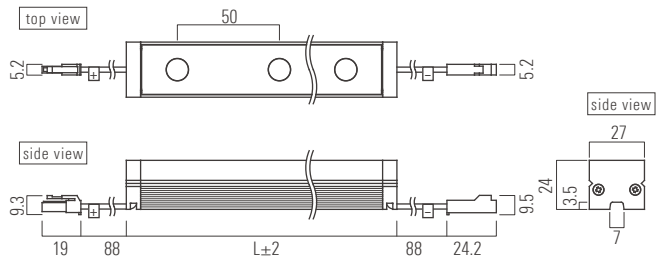| Product Name / LED pitch	Length	Light source color	Beam angle	Environment
LVV50 : 50mm pitch	0300 0600 0900 1200	W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L22 : Warm white 2200K	SP : 15° × 32.5°	I : Indoors

Light Intensity Refer to P.48

LVV50-1200-L27-SP-I (700mA)

1/2 illuminance angle
23°
33°
8832
2208
981
552

5000
2000
1000
500
200 (lx)

3m 2 1 0 1 2 3

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	13W	9W	6W	27W	19W	13W	40W	28W	19W	54W	38W	26W
Power consumption(@L22)	15W	10W	7W	30W	21W	14W	45W	31W	21W	60W	42W	29W
Fitting length(L)	300mm			600mm			900mm			1200mm		
Weight	180g			360g			540g			720g		
Luminaire efficacy(2700K)	86.8 lm/W@700mA			86.8 lm/W@700mA			86.8 lm/W@700mA			86.8 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 5300K	-	-	-	-	-	-	-	-	-	-	-	-
W 4000K Ra 86	○ 985 lm	○ 754 lm	○ 560 lm	○ 1970 lm	○ 1508 lm	○ 1120 lm	○ 2955 lm	○ 2262 lm	○ 1680 lm	○ 3940 lm	○ 3016 lm	○ 2240 lm
WW 3500K Ra -	○ – lm	○ – lm	○ – lm	○ – lm	○ – lm	○ – lm	○ – lm	○ – lm	○ – lm	○ – lm	○ – lm	○ – lm
L30 3000K Ra 88	○ 932 lm	○ 706 lm	○ 520 lm	○ 1864 lm	○ 1413 lm	○ 1040 lm	○ 2795 lm	○ 2119 lm	○ 1559 lm	○ 3727 lm	○ 2826 lm	○ 2079 lm
L27 2700K Ra 81	○ 1057 lm	○ 805 lm	○ 593 lm	○ 2114 lm	○ 1609 lm	○ 1187 lm	○ 3171 lm	○ 2414 lm	○ 1780 lm	○ 4228 lm	○ 3218 lm	○ 2374 lm
L22 2200K Ra 82	○ 802 lm	○ – lm	○ – lm	○ 1604 lm	○ – lm	○ – lm	○ 2406 lm	○ – lm	○ – lm	○ 3208 lm	○ – lm	○ – 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 circuit	2.7m	4.2m	6m
Material (body)	Aluminum(black), Polycarbonate		
Attachments	❶Mounting fixture 2pcs		
Option parts	❶Mounting fixture ❷Adjustable mounting fixture ❸Fall prevention mounting fixture ❹Louver ❺Joint cable		
Certification	CE		
Dimmable	○		
Power Supplies	Constant current driver is required.		

External dimentions

top view
50
5.2
5.2

side view

side view
27
24
3.5
7

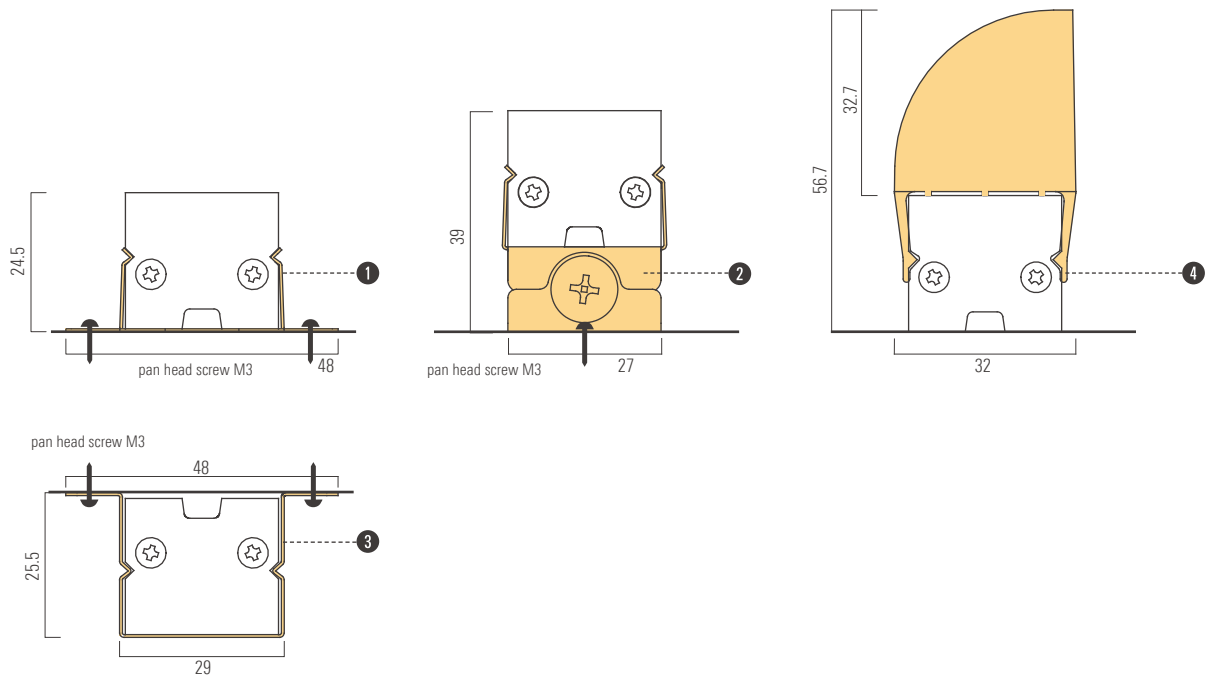side view
9.3
9.5
19 88 L±2 88 24.2

Max. connectable length per power supply

✳ A:ON/OFF, B:0~10V dimming type

LVV	Length of LED fixture	Power supply	Meanwell Model No.	Output voltage range
700mA	0.3~1.2m	65W	HVGC-65-700-✳	9~93V
	0.6~1.8m	100W	HVGC-100-700-✳	15~142V
	0.6~2.7m	150W	HVGC-150-700-✳	21~215V
500mA	0.3~1.8m	65W	HVGC-65-500-✳	13~130V
	0.9~4.2m	150W	HVGC-150-500-✳	30~300V
350mA	0.6~2.7m	65W	HVGC-65-350-✳	18~186V
	0.9~3.9m	100W	HVGC-100-350-✳	29~285V
	1.2~6.0m	150W	HVGC-150-350-✳	42~428V

Vivoxy Graze

Indoor

Rigid light

LVV

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Cross sectional view

24.5

pan head screw M3 | 48

❶

39

pan head screw M3 | 27

❷

32.7

56.7

32

❹

pan head screw M3

48

25.5

29

❸

Option parts

❶ 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

48

36.5

φ3.5

side view

26.7

(14.8)

29
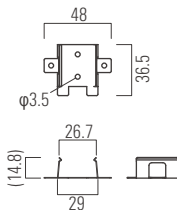
❷ Adjustable mounting fixture for Vivoxy Graze

Model No : LVV-PT-B
1 pc/bag

2 pcs per LED fixture is recommended.

For tilting installation   top view

7

3.5

42.2

side view

30.3

15

29
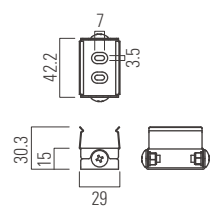
❸ Fall prevention mounting fixture for Vivoxy Graze

Model No : LVV-PT-C
1 pcs/1 bag

2 pcs per LED fixture is recommended.

For downward installation

top view

43.7

20

Screw Holes
(3.5×5.5 Long hole)

side view

26.3

29
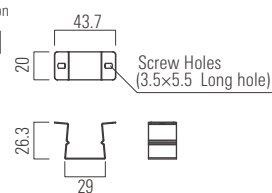
❺ Joint cable set 5M for Vivoxy Graze   Required

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 | 5.2

5000±10

19 | 4981

9.3

Plug side | 5.2

5000±10

24.2 | 4975.8

9.5
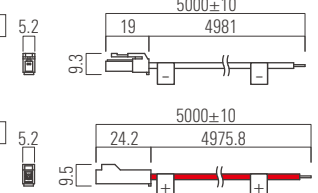
❹ Louver for Vivoxy Graze

Model No : LVV50-LV0150
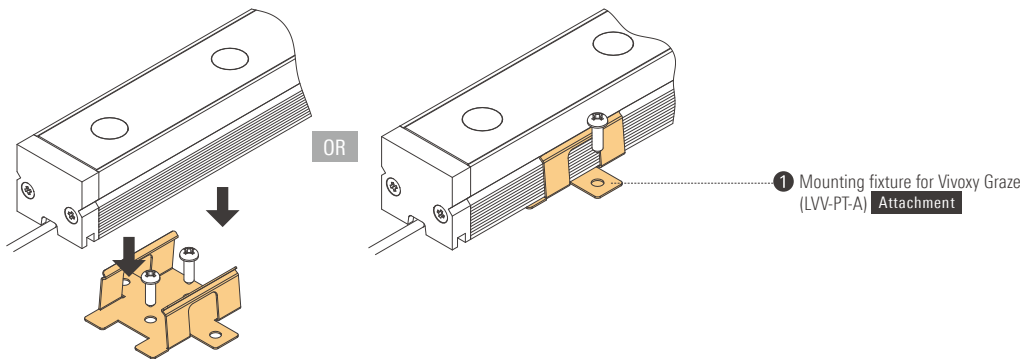150mm×2 pcs / set

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
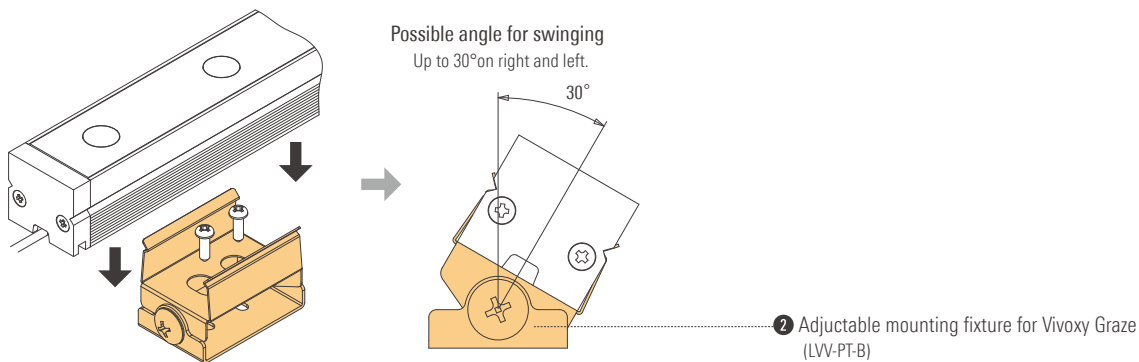against the lighting apparatus can be prevented.

top view

ø18

side view

150

32.7
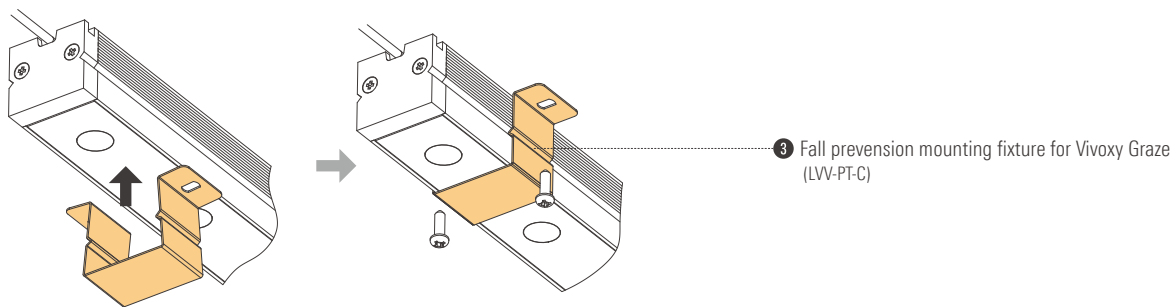
15.3

32

A

B | B

A

Louver

150

B-B

Glare cut off angle
50°

Glare cut off angle
60°

32.7

56.7

32

A-A

Vivoxy Graze

Mounting fixture installation

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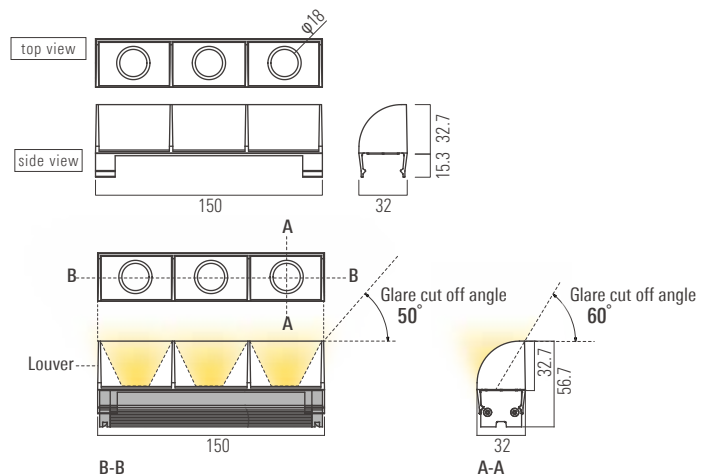
❶ Mounting fixture for Vivoxy Graze
(LVV-PT-A) Attachment

Adjustable fixture installation

Possible angle for swinging
Up to 30°on right and left.

30°

❷ Adjuctable 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 power supply according to the length of LED fixture.

■ Do not split the circuit of LED fixtures into multiple from the constant current power supply.

■ Connect the RED power supply cable to + (plus) and the BLACK power supply cable to - (minus) of the LED constant current (700 mA / 500 mA / 350 mA)

■ When you dim, twist shield cable is recommended to use as a signal cable.

Caution: Ensure that power is off, after confirming that connections are done properly before turning on the main switch. Failure to comply with the above will result in an inrush of current, which will cause damage to the LED fixture.

If the power supply was turned on before connecting with the LED fixtures, wait one minutes or more after turning off to release the accumulated electricity inside the power supply.

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

with connector

AC input side
(Connected to primary side power supply)
Provide a 2-core cable.

DC output side
(Connected to LED fixture)

Constant-current power supply
(700mA / 500mA / 350mA)
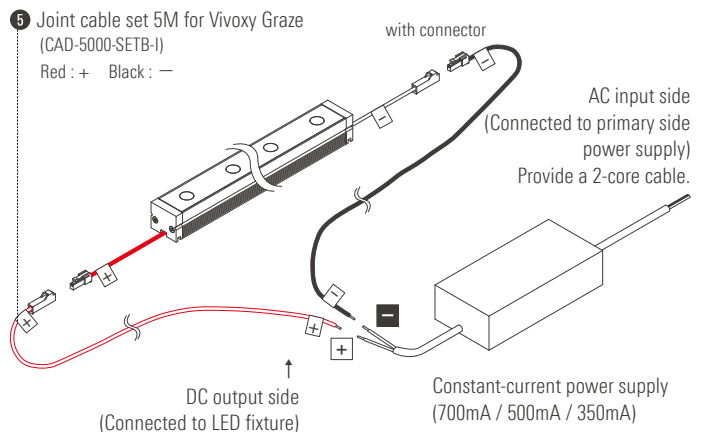
System configuration diagram

■ 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

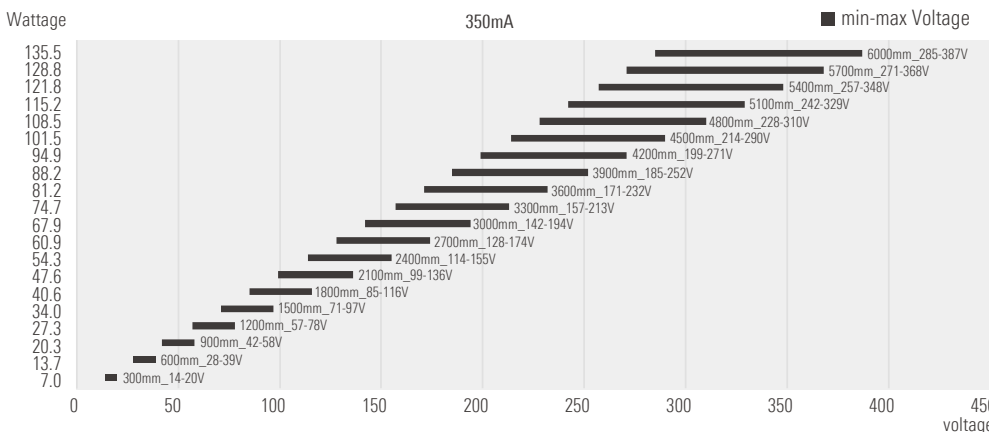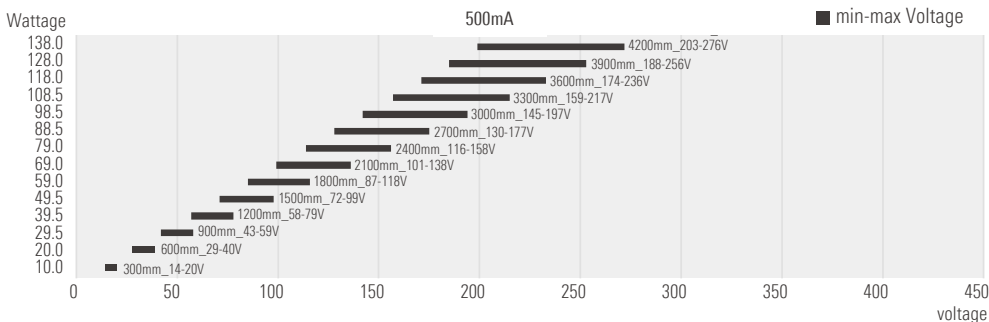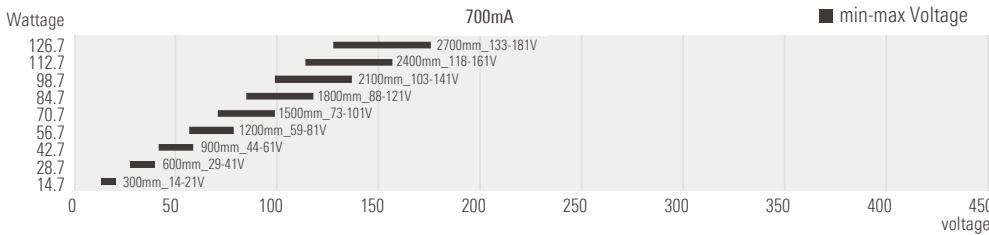■ When you dim, twist shield cable is recommended to use as a signal cable.

Dimmer

Constant-current power supply

AC input →

LED fixture max. :
2.7m@700mA / 4.2m@500mA / 6.0m@350mA

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

Max. connectable length per power supply

✱ A:ON/OFF, B:0~10V dimming type

LVV	Length of LED fixture	Power supply	Meanwell Model No.	Output voltage range
700mA	0.3~1.2m	65W	HVGC-65-700-✱	9~93V
	0.6~1.8m	100W	HVGC-100-700-✱	15~142V
	0.6~2.7m	150W	HVGC-150-700-✱	21~215V
500mA	0.3~1.8m	65W	HVGC-65-500-✱	13~130V
	0.9~4.2m	150W	HVGC-150-500-✱	30~300V
350mA	0.6~2.7m	65W	HVGC-65-350-✱	18~186V
	0.9~3.9m	100W	HVGC-100-350-✱	29~285V
	1.2~6.0m	150W	HVGC-150-350-✱	42~428V

Guide for selecting constant current driver

The minimum voltage and maximum voltage of LED fixture must be within the output voltage range of the constant current driver.
The total wattage of LED fixture must not exceed the wattage of the power supply.
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.

Wattage · 700mA · ■ min-max Voltage

Wattage	
126.7	2700mm_133-181V
112.7	2400mm_118-161V
98.7	2100mm_103-141V
84.7	1800mm_88-121V
70.7	1500mm_73-101V
56.7	1200mm_59-81V
42.7	900mm_44-61V
28.7	600mm_29-41V
14.7	300mm_14-21V

voltage: 0 50 100 150 200 250 300 350 400 450

Wattage · 500mA · ■ min-max Voltage

Wattage	
138.0	4200mm_203-276V
128.0	3900mm_188-256V
118.0	3600mm_174-236V
108.5	3300mm_159-217V
98.5	3000mm_145-197V
88.5	2700mm_130-177V
79.0	2400mm_116-158V
69.0	2100mm_101-138V
59.0	1800mm_87-118V
49.5	1500mm_72-99V
39.5	1200mm_58-79V
29.5	900mm_43-59V
20.0	600mm_29-40V
10.0	300mm_14-20V

voltage: 0 50 100 150 200 250 300 350 400 450

Wattage · 350mA · ■ min-max Voltage

Wattage	
135.5	6000mm_285-387V
128.8	5700mm_271-368V
121.8	5400mm_257-348V
115.2	5100mm_242-329V
108.5	4800mm_228-310V
101.5	4500mm_214-290V
94.9	4200mm_199-271V
88.2	3900mm_185-252V
81.2	3600mm_171-232V
74.7	3300mm_157-213V
67.9	3000mm_142-194V
60.9	2700mm_128-174V
54.3	2400mm_114-155V
47.6	2100mm_99-136V
40.6	1800mm_85-116V
34.0	1500mm_71-97V
27.3	1200mm_57-78V
20.3	900mm_42-58V
13.7	600mm_28-39V
7.0	300mm_14-20V

voltage: 0 50 100 150 200 250 300 350 400 450

LVV

Vivoxy Graze

RECTA

THOF℉

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Vivoxy Graze

Illuminance data

700mA

LVV50-1200-W-SP-I

Light source color	4000K
Brightness	8682 cd
Luminous flux	3940 lm
Color rendering index	Ra 86

1/2 illuminance angle
23°
35°
8682
2170
965
543
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3
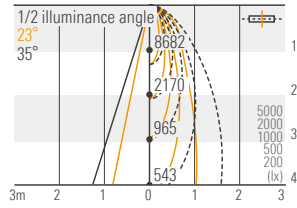
LVV50-1200-WW-SP-I

Light source color	3500K
Brightness	115551 cd
Luminous flux	4578 lm
Color rendering index	Ra 82

1/2 illuminance angle
22°
35°
11551
2888
1283
722
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3
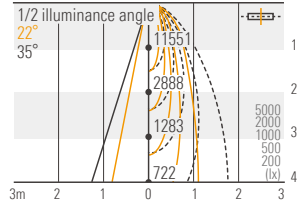
LVV50-1200-L30-SP-I

Light source color	3000K
Brightness	8832 cd
Luminous flux	3727 lm
Color rendering index	Ra 88

1/2 illuminance angle
23°
33°
8832
2208
981
552
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3
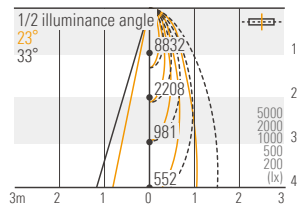
LVV50-1200-L27-SP-I

Light source color	2700K
Brightness	10485 cd
Luminous flux	4228 lm
Color rendering index	Ra 81

1/2 illuminance angle
24°
31°
10485
2621
1165
655
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3
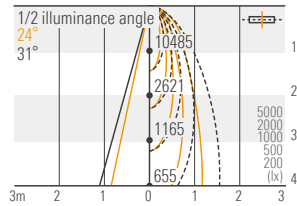
LVV50-1200-L22-SP-I

Light source color	2200K
Brightness	8094 cd
Luminous flux	3208 lm
Color rendering index	Ra 82

1/2 illuminance angle
22°
35°
8094
2023
899
505
3m 2 1 0 1 2 3
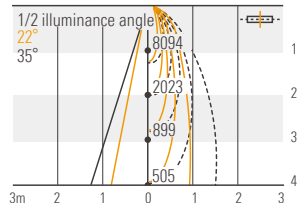
500mA

LVV50-1200-W-SP-I

Light source color	4000K
Brightness	6646 cd
Luminous flux	3016 lm
Color rendering index	Ra 86

1/2 illuminance angle
23°
35°
6646
1661
738
415
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3
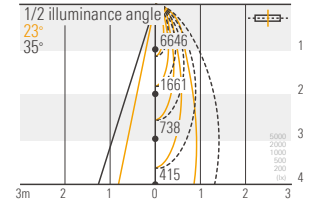
LVV50-1200-WW-SP-I

Light source color	3500K
Brightness	8831 cd
Luminous flux	3500 lm
Color rendering index	Ra 82

1/2 illuminance angle
22°
35°
8831
2208
981
552
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3
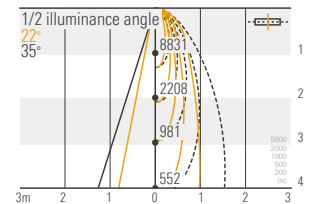
LVV50-1200-L30-SP-I

Light source color	3000K
Brightness	6697 cd
Luminous flux	2826 lm
Color rendering index	Ra 88

1/2 illuminance angle
23°
33°
6697
1674
744
419
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3
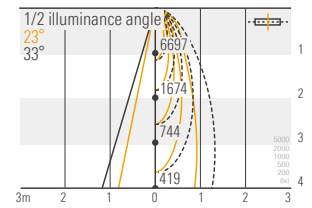
LVV50-1200-L27-SP-I

Light source color	2700K
Brightness	7980 cd
Luminous flux	3218 lm
Color rendering index	Ra 81

1/2 illuminance angle
24°
31°
7980
1995
877
499
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3
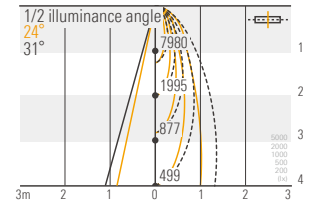
LVV50-1200-L22-SP-I

Light source color	2200K
Brightness	6189 cd
Luminous flux	2453 lm
Color rendering index	Ra 82
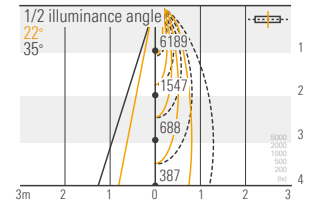
1/2 illuminance angle
22°
35°
6189
1547
688
387
5000 2000 1000 500 200 (lx)
3m 2 1 0 1 2 3

Recommendend dimensions and illumination distribuitions

CH=5000 700mA

50

150

Vivoxy Graze

Indoor

Rigid light

LVV

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line
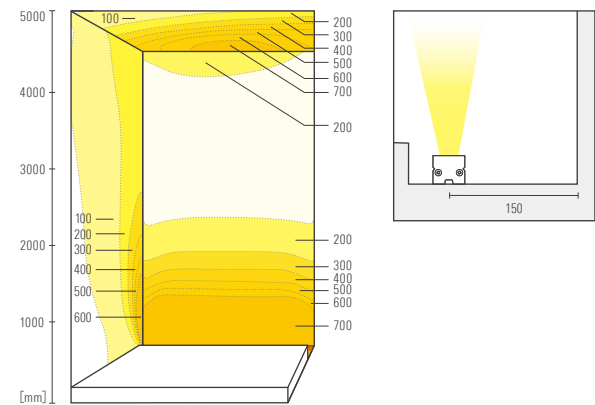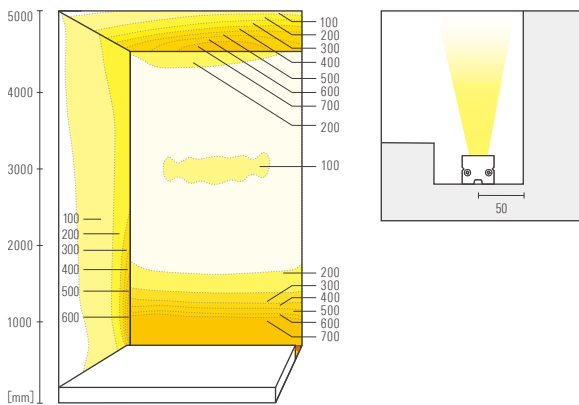
350mA

LVV50-1200-W-SP-I

Light source color	4000K
Brightness	4936 cd
Luminous flux	2240 lm
Color rendering index	Ra 86

1/2 illuminance angle 23° / 35°
4936, 1234, 548, 308
5000 2000 1000 500 200 (lx)
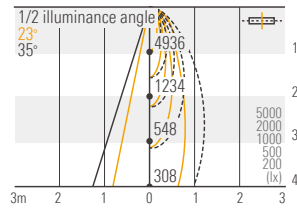
LVV50-1200-WW-SP-I

Light source color	3500K
Brightness	6792 cd
Luminous flux	2692 lm
Color rendering index	Ra 82

1/2 illuminance angle 23° / 35°
6792, 1698, 755, 425
5000 2000 1000 500 200 (lx)
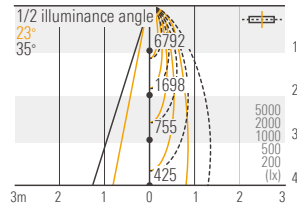
LVV50-1200-L30-SP-I

Light source color	3000K
Brightness	4926 cd
Luminous flux	2079 lm
Color rendering index	Ra 88

1/2 illuminance angle 23° / 35°
4926, 1232, 547, 308
5000 2000 1000 500 200 (lx)
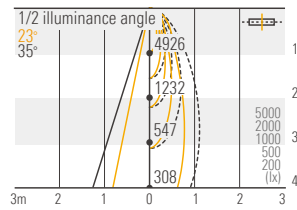
LVV50-1200-L27-SP-I

Light source color	2700K
Brightness	5887 cd
Luminous flux	2374 lm
Color rendering index	Ra 81

1/2 illuminance angle 23° / 35°
5887, 1472, 654, 368
5000 2000 1000 500 200 (lx)
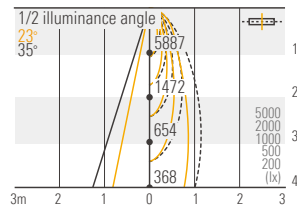
LVV50-1200-L22-SP-I

Light source color	2200K
Brightness	4761 cd
Luminous flux	1887 lm
Color rendering index	Ra 82

1/2 illuminance angle 23° / 35°
4761, 1190, 529, 298
5000 2000 1000 500 200 (lx)

Distance from wall

700mA	500mA	350mA
0mm	0mm	0mm
50mm	50mm	50mm
100mm	100mm	100mm
150mm	150mm	150mm
200mm	200mm	200mm
300mm	300mm	300mm
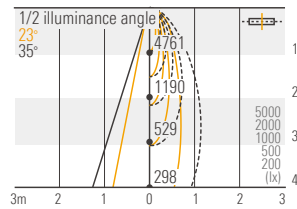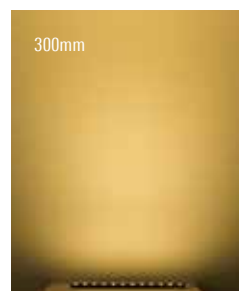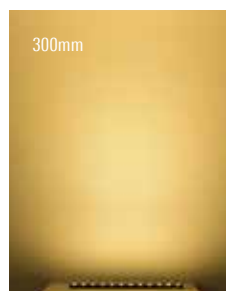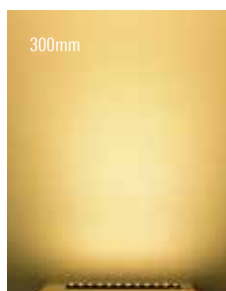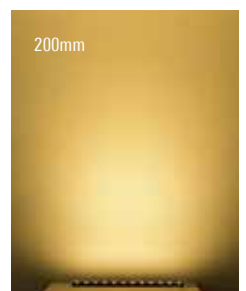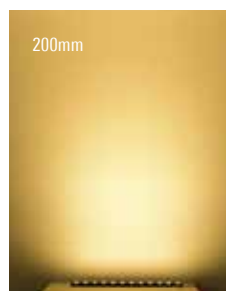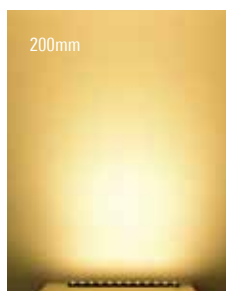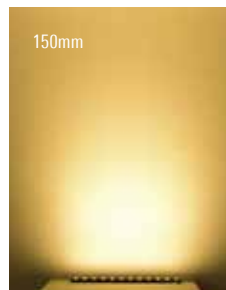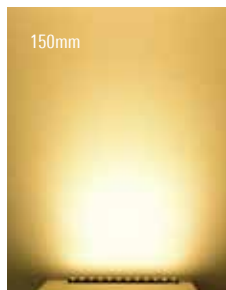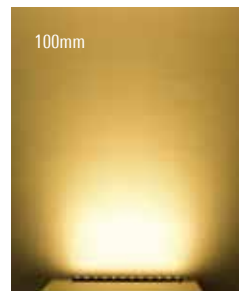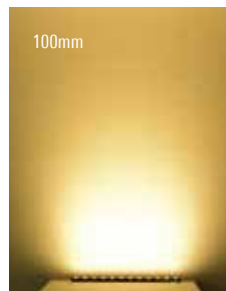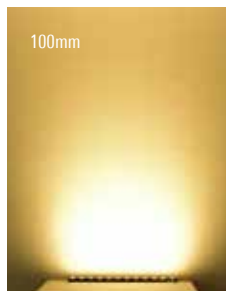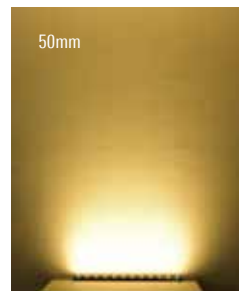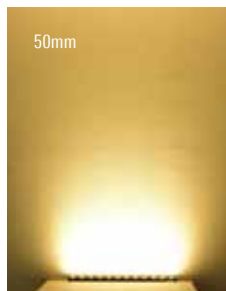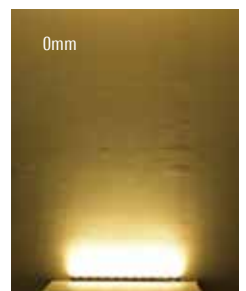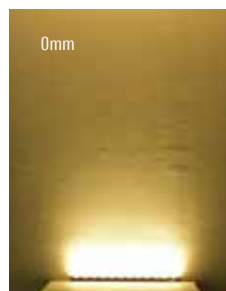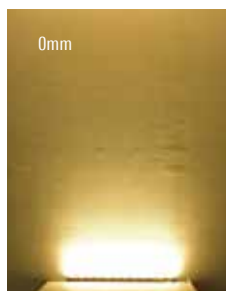
LRE
Luci RECTA

Intensive brightness for powerful cove lighting as well as direct lighitng.
Simple design for clean minimalist applications

WOODY PARTS Showroom
Location: Japan
Interior Design: NOMURA Co.,Ltd. Hiroaki Echizen
Photo: Nacasa & Partners Inc. Masato Kono

TOKYO POLYTECHNIC UNIVERSITY B1F school cafeteria
Location: Japan
Architect office: Sakakura Associates architects and engineers
Lighting design: Illumination Of City Environment

RECTA

Indoor

Rigid light

LRE

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Powerful rectangular mono color light fitting
- Seamless lighting with completely eliminated dots
- Compact light appliance design which stores attachment parts
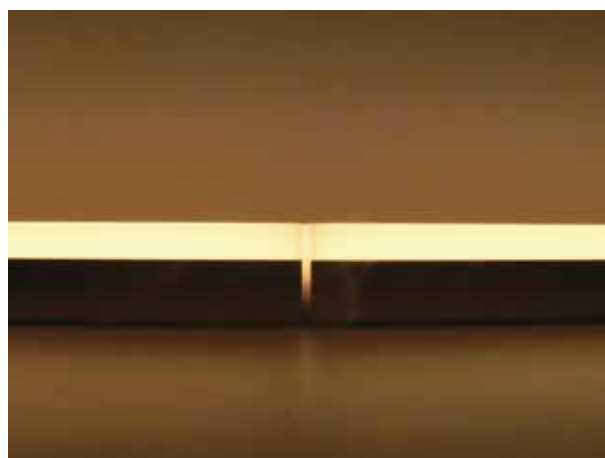
6 color variations

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

3 lengths

	Model No.
length 1003mm	1003
length 503mm	0503
length 103mm	0103

Other 7 length are available with MOQ

Seamless connection

RECTA

LRE

- High brightness >2000lm/m for surface mount and indirect lighting
- Seamless, 3 surface-emitting light with eliminated dots

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.55

LRE-1003-L27-DF-I
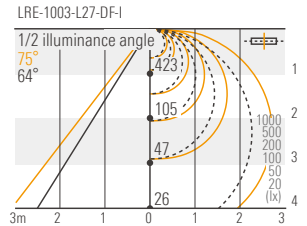
Specification

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	Ra 92	◯ 238 lm	◯ 1190 lm	◯ 2380 lm
W	4000K	Ra 92	◯ 238 lm	◯ 1190 lm	◯ 2380 lm
WW	3500K	Ra 93	◯ 230 lm	◯ 1151 lm	◯ 2303 lm
L30	3000K	Ra 94	◯ 222 lm	◯ 1113 lm	◯ 2226 lm
L27	2700K	Ra 93	◯ 215 lm	◯ 1075 lm	◯ 2150 lm
L24	2400K	Ra 93	◯ 199 lm	◯ 998 lm	◯ 1996 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.

Special order product size

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	❶Mounting parts 2pcs
Option parts	❶Mounting parts ❷Power supply cable ❸Joint cable
Certification	CE
Dimmable	◯
Power Supplies	Required

External dimentions

top view

side view

50.5   15.5
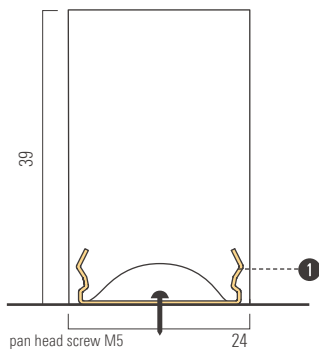69.5   L±2   40

side view

39

24
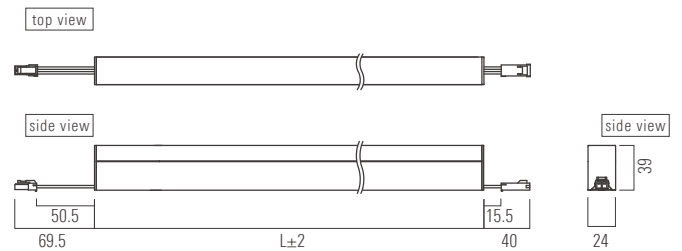
Max. connectable length per power supply

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

RECTA

Indoor

Rigid light

LRE

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Cross sectional view

39

pan head screw M5   24

①

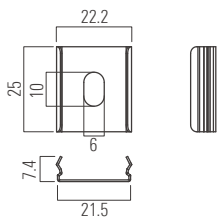## Option parts

① Mounting parts A Attachment

Model No : LTH-PTA

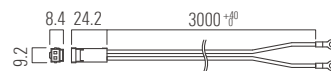Attached with LED fixture
2 pcs / bag

For extra order
2 pcs / bag

22.2
25
10
6
7.4
21.5

② Power supply cable 3M

Model No : CAD-3000-MCRN-I

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

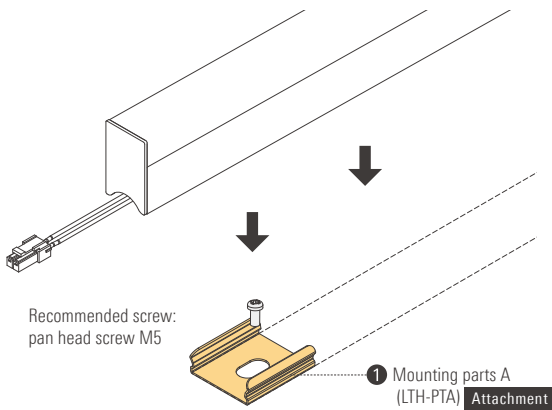9.2 8.4 24.2   3000 $^{+40}_{0}$

③ Joint cable 1M

Model No : CAD-1000-MCFC-I

Joint cable between two LED fixtures

9.2 8.4 24.2   1000±15   19.0 9.3
9.2

RECTA

Installing the product

For horizontal installation

Recommended screw:
pan head screw M5

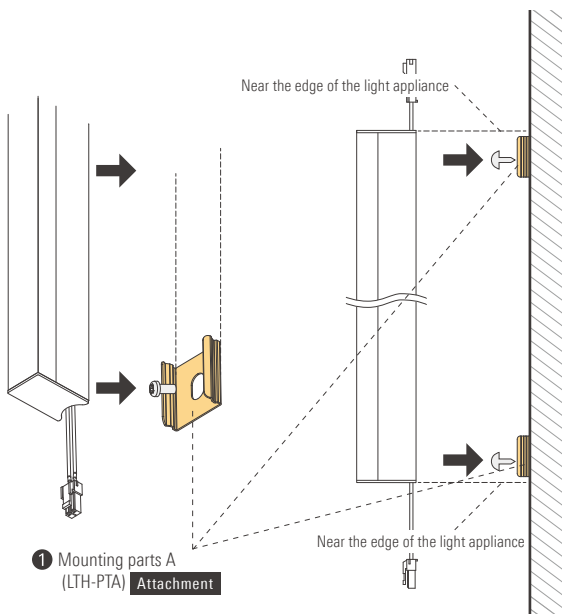❶ Mounting parts A
(LTH-PTA) `Attachment`

⚠ Cautions

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

Near the edge of the light appliance

Near the edge of the light appliance
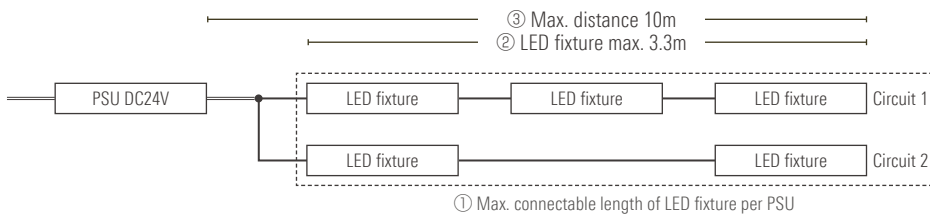
❶ Mounting parts A
(LTH-PTA) `Attachment`

⚠ Cautions

- Highly recommend not to recess on the wall
- 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

③ Max. distance 10m
② LED fixture max. 3.3m

PSU DC24V				
	LED fixture	LED fixture	LED fixture	Circuit 1
	LED fixture		LED fixture	Circuit 2

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)
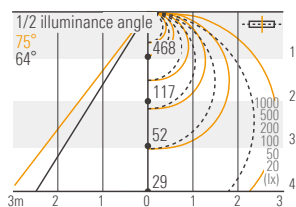
Illuminance data

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

1/2 illuminance angle
75°
64°
468
117
52
29
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4

LRE-1003-W-DF-I

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

1/2 illuminance angle
75°
64°
468
117
52
29
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4
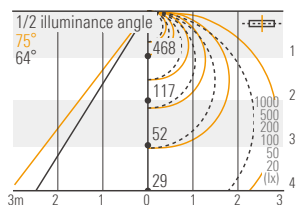
LRE-1003-WW-DF-I

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

1/2 illuminance angle
75°
64°
453
113
50
28
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4
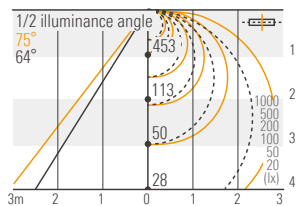
LRE-1003-L30-DF-I

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

1/2 illuminance angle
75°
64°
438
109
48
27
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4
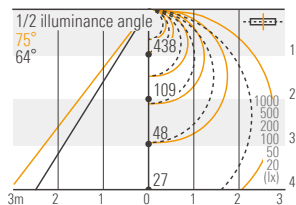
LRE-1003-L27-DF-I

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

1/2 illuminance angle
75°
64°
423
105
47
26
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4
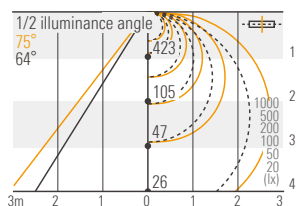
LRE-1003-L24-DF-I

Light source color	2400K
Brightness	393 cd
Luminous flux	1996 lm
Color rendering index	Ra 93
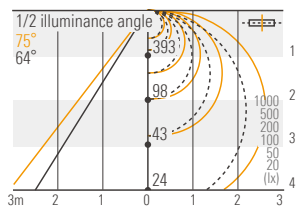
1/2 illuminance angle
75°
64°
393
98
43
24
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4

Recommendend dimensions and illumination distribuitions

Cornice lighting-1 CH=2800

2800
2000
1000
[mm]

2000 1000 500 200 100
500 200 150 100
150 120 100 80
250 200
[lx]

80
50

Cornice lighting-2 CH=2800

2800
2000
1000
[mm]

2000 500 200 100 50 30
500 200 100 70 50
90 100
80 70 50
[lx]

80
80
80

Cove lighting CH=2800

2800
2000
1000
[mm]

1000 500 200
100 50
500 200 100
[lx]
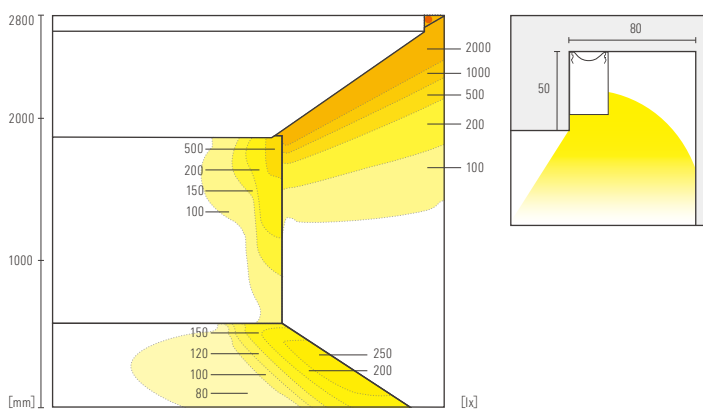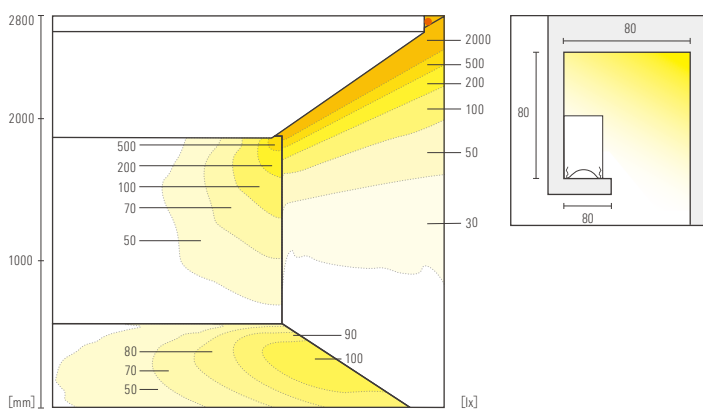
300
50
80

LRE

Vivoxy Graze

RECTA

THOF²

Creide® F / lens
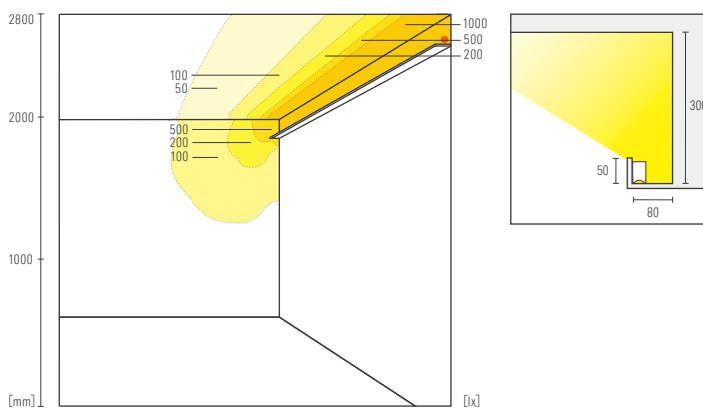
silux® K
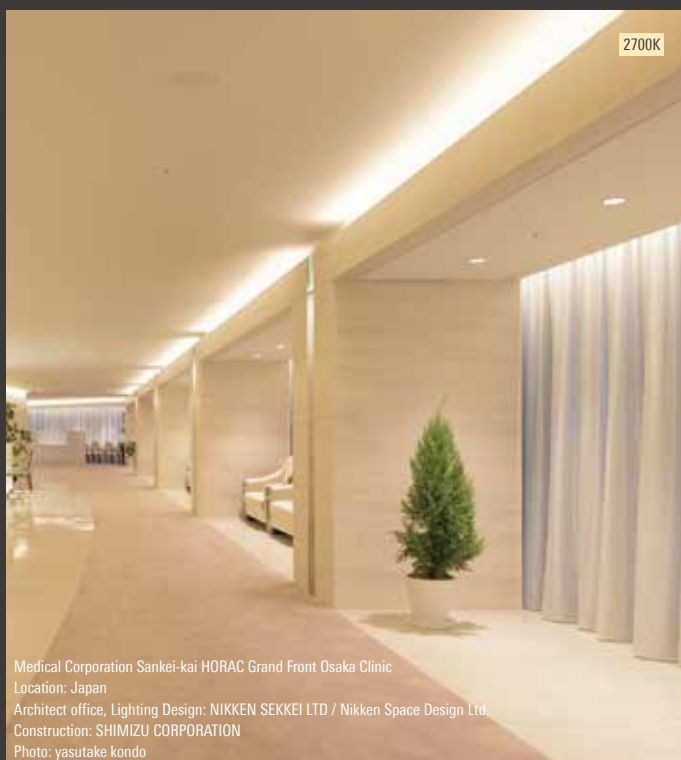
silux wide® K

Slim Light

nano line

LTH
Luci THOF® Indoor

Create a suitable effect for each scene by adjustable color temperature and brightness

Taking biorhythms into account, desired usage and atmosphere can be provided
by programmable color temperature from daylight white 5000K to warm white 2700K and adjustable brightness

3000K

5300K

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

2700K

4200K

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

THOF®

Indoor

Rigid light

LTH

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Create an appropriate atmosphere for a scene by the color and light adjustable lighting

- Programmable color and light adjustment from daylight white (5000K) to warm white 2700K
- Seamless lighting with completely eliminated dots
- Compact light appliance design which stores attachment parts

What is THOF®

THOF is a collective name for an original series from Luci with color and light adjustment.
With the color and light adjustment functions, "color temperature" and "brightness"
can be flexibly adjusted for each scene.

5000K	3500K equivalent	2700K
N(5000K):100%, L27:0%	N(5000K):100%, L27:100%	N(5000K):0%, L27:100%
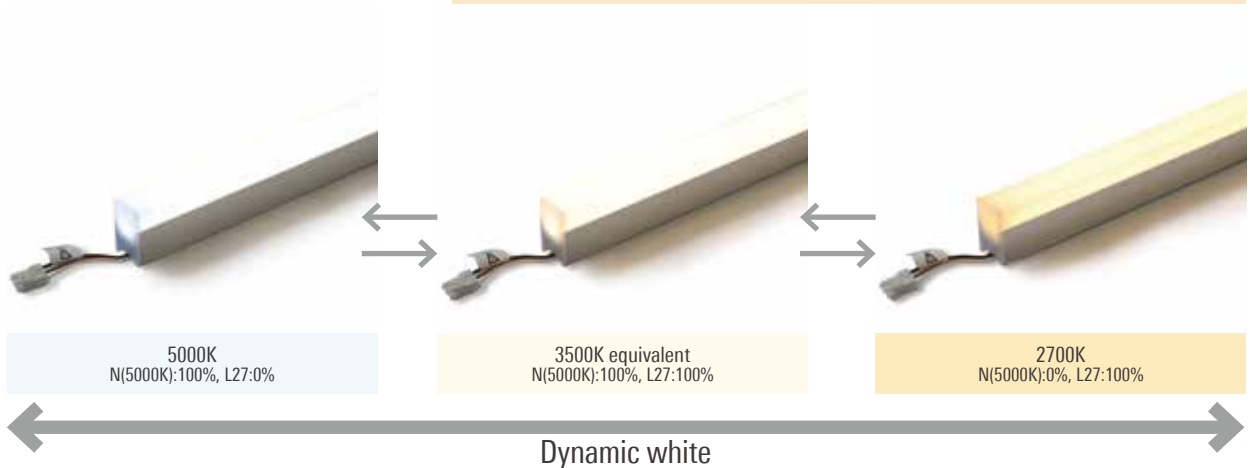
Dynamic white

3 lengths	Model No.
length 1003mm	1000
length 503mm	0500
length 103mm	0100

Dynamic White strip light
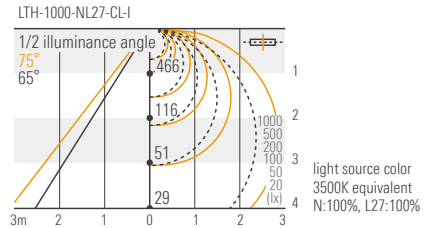**Luci Power FLEX THOF**   >   P.128

THOF®

LTH

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

Model No.

LTH - ☐☐☐☐ - **NL27** - **DF** - **I**

Product Name	-	Length	-	Light source color	-	Cover Type	-	Environment
LTH		0100 0500 1000		NL27: Natural white to Warm white 2700K		DF : Diffuser		I : Indoors

Light Intensity   Refer to P.61

LTH-1000-NL27-CL-I

1/2 illuminance angle
75°
65°

466
116
51
29

1000 500 200 100 50 20 (lx)

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

3m 2 1 0 1 2 3

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			
NL27 5000K~2700K	○	○	○
Dimming rate			
N 100%, L27 0% Ra 94	121 lm	606 lm	1213 lm
N 100%, L27 100% Ra 95	237 lm	1185 lm	2370 lm
N 0%, L27 100% Ra 94	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	❶Mounting parts 2pcs
Option parts	❶Mounting parts ❷Power supply cable
Certification	CE
Dimmable	○(Dynamic white)
Power Supplies	Required
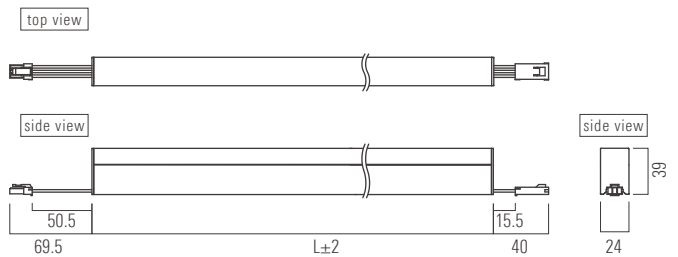
External dimentions

top view

side view   side view

50.5   L±2   15.5
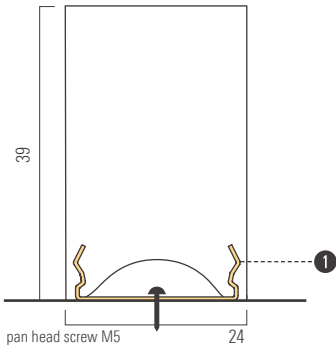69.5   40   24   39

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

THOF®

Indoor

Rigid light

LTH

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Cross sectional view

39

pan head screw M5   24

①

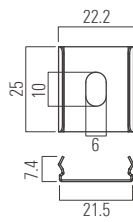## Option parts

① Mounting parts A Attachment

Model No : LTH-PTA

Attached with LED fixture
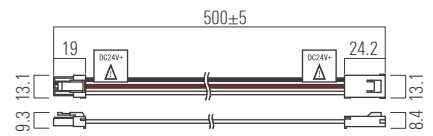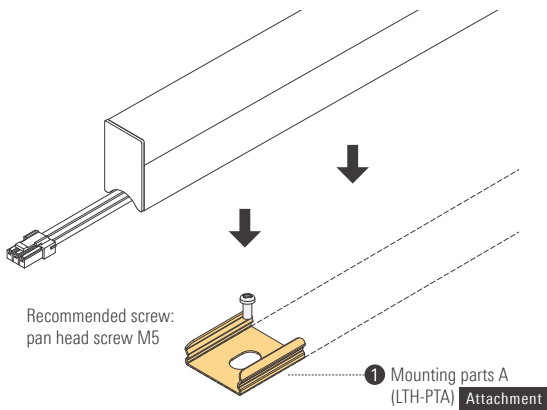2 pcs / bag

For extra order
2 pcs / bag

22.2
25
10
6
7.4
21.5

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)

500±5
19   DC24V+   24.2
13.1   13.1
9.3   8.4

THOF®

Installing the product

For horizontal installation

Recommended screw:
pan head screw M5

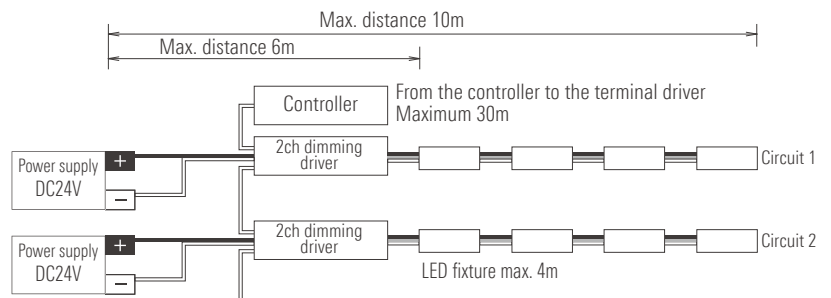❶ Mounting parts A
(LTH-PTA) `Attachment`

⚠ Cautions

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

Near the edge of the light appliance

❶ Mounting parts A
(LTH-PTA) `Attachment`

Near the edge of the light appliance

⚠ Cautions

- Highly recommend not to recess on the wall
- 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 length depends on the wattage of the power supply and the dimming driver.

- ■ 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.
  Please refer to P.212 for other controller and dimmer driver.
  Please contact us when using other dimming signal or dimmer driver.

- ■ Twist shield cable is recommended to use as a signal cable.

Max. distance 10m

Max. distance 6m

Controller — From the controller to the terminal driver Maximum 30m

Power supply DC24V + −

2ch dimming driver — Circuit 1

Power supply DC24V + −

2ch dimming driver — Circuit 2

LED fixture max. 4m

Luci original dynamic white dimmer controller

Use these together

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

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

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

Input voltage	DC12~24V
Input current	Max.100mA
Output current	Max.5A
Size	W70*H120*D32.2 mm
Usage environment	Indoors

Multi Controller
(LLC-MFC-10)

Input voltage	DC12~24V
Input current	
Output current	1A max/CH
Size	W212.5*H124*D32.5mm
Usage environment	Indoors

Luci original dynamic white dimmer driver

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

Input voltage	DC12~24V
Input current	Max.100mA
Output current	Max.5A
Size	W64*H130*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

Illuminance data

LTH
Luci THOF

Color temparature

5000K~2700K

LTH

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

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

1/2 illuminance angle
75°
64°
238
59
26
14
1000
500
200
100
50
20
(lx)
3m 2 1 0 1 2 3
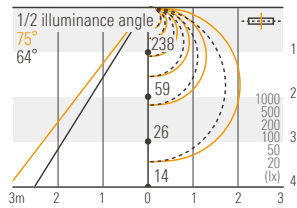
LTH-1000-NL27-CL-I

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

1/2 illuminance angle
75°
65°
466
116
51
29
1000
500
200
100
50
20
(lx)
3m 2 1 0 1 2 3
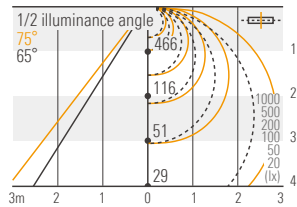
LTH-1000-NL27-CL-I

Light source color	2700K
	N:0%, L27:100%
Brightness	216 cd
Luminous flux	1096 lm
Color rendering index Ra 94
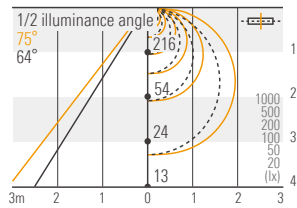
1/2 illuminance angle
75°
64°
216
54
24
13
1000
500
200
100
50
20
(lx)
3m 2 1 0 1 2 3

Recommendend dimensions and illumination distribuitions
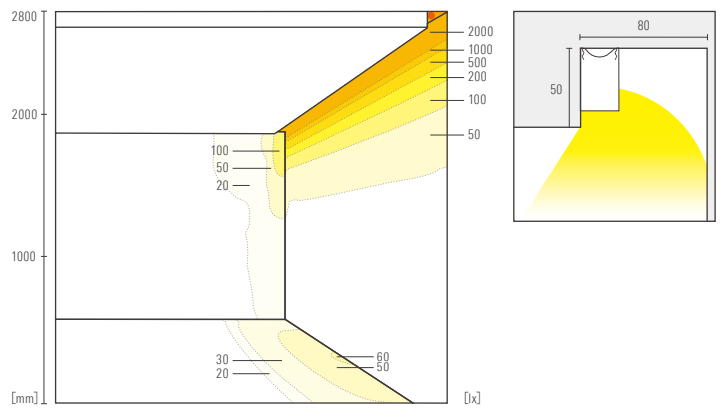
Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800
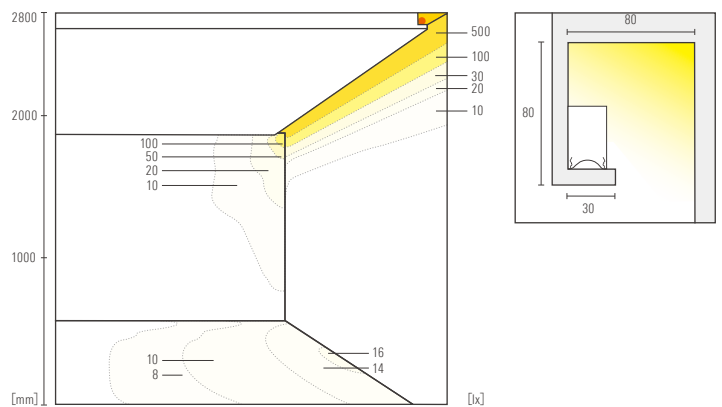
Cove lighting CH=2800
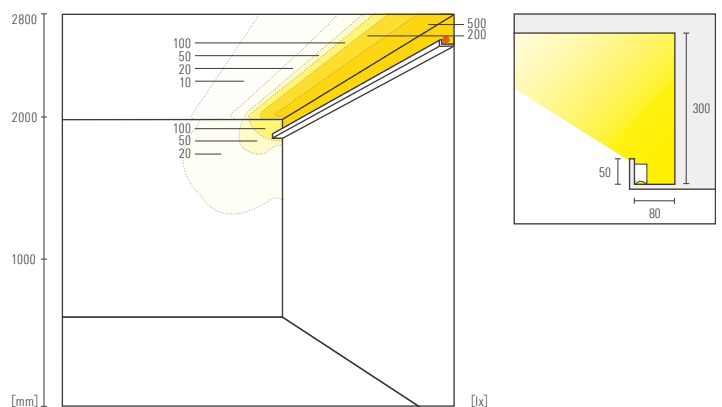
LCEF / LCEL
Luci Creide® series

TRUSCO NAKAYAMA KYOTO KAGURAOKA RENGETUSOU
Location: Japan
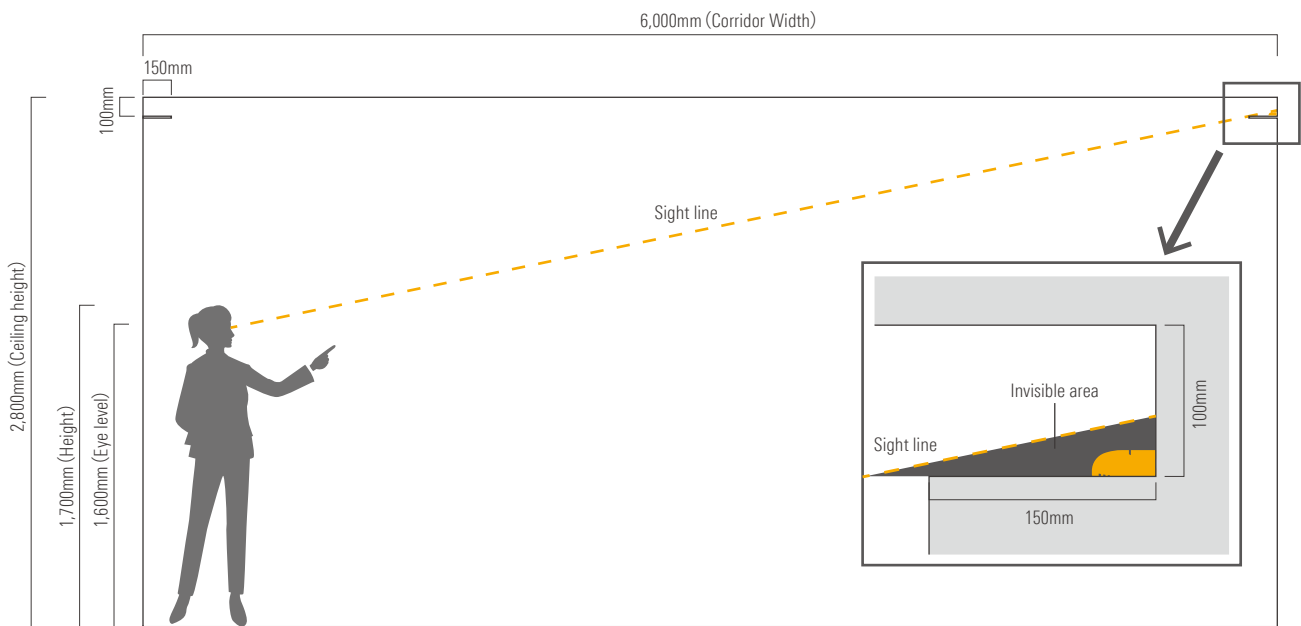Architect office: NIKKEN SEKKEI LTD.
Photo: Kouji Horiuchi

DAIKIN ALES AOYA II
Location: Japan
Architect office: TakenakaCorporation
Interior Design: ATELIER MANSARDE
Construction: Takenaka Corporation
Photo: Yamagiwa Corporation

Indoor

Rigid light

LCEF/LCEL

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Luci Creide® F / Luci Creide® lens

The concept is 'Hide'.

Don't want to see the product's body, but want enough light from cove lighting! But...
In interior designing of cove lighting, we have difficulty hiding the light source.
Basically, the ceiling height is limited. For hiding the light source and keeping enough light,
considering the construction, about 300 mm distance is needed
between ceiling place to the top of shield...
Creide is the product which can solve such problems constructors might come across.
This is because it is a product which is produced after thinking out a simple theme 'Hide'.

6,000mm (Corridor Width)

150mm

100mm

2,800mm (Ceiling height)

1,700mm (Height)

1,600mm (Eye level)

Sight line

Invisible area

100mm

Sight line

150mm

Luci Creide® F

Ideal cove lighting product hidden without shield and for the cove lighting whose space is limited.

Ideal cove lighting product hidden without shield and for the cove lighting whose space is limited
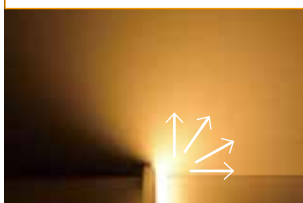
Hotel Asia Center of Japan
Location: Japan
Architect office: Fukuoka Urban Laboratory LLC +
SHOWA Interior & Facilities Industry CO., LTD.
Lighiting Design, Construction: SHOWA Interior &
Facilities Industry CO., LTD.

LCEF-1170-L27-DF-I

1/2 illuminance angle
59.5°

277 335
69 84
31 37
17 21

2m 1 0 1 2 3 4

1000
500
200
100
50
20
(lx)
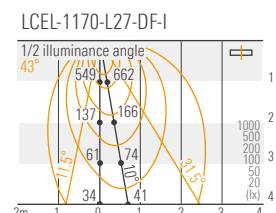
1
2
3
4
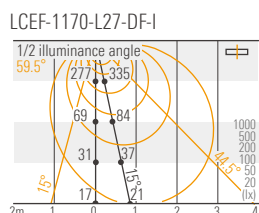
Luci Creide® lens

"Luci Creide® lens" is a cove lighting for narrow spaces which focuses on beam angles and stretch of light. The fixture design is based on compact cross-sectional size and basic specification of "Luci Creide®" Special intensive luminous distribution by linear lens between LED and diffused cover creates an extended and smooth gradation of light.

Light can stretch up to 3 m, achieving an impressive effect on the illuminated surface.
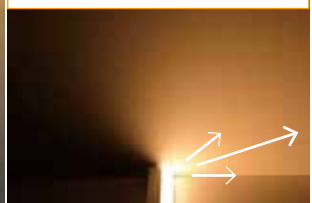
Yamato building（γ gion）
Location: JAPAN
Architect office: everedge Inc.
Lighting Design: ModuleX Inc.
Construction: Heian Kensetsu Kogyo
Photo: Mitsuru wakabayashi

LCEL-1170-L27-DF-I

1/2 illuminance angle
43°

549 662
137 166
61 74
34 41

2m 1 0 1 2 3 4

1000
500
200
100
50
20
(lx)

1
2
3
4

Luci Creide ® F / Luci Creide ® lens

# LCEF / LCEL

Color management
MacAdam 3 step ⟨CE⟩

- For cove light with only 17.4mm height easy to be hidden
- Creide Lens F: narrower spread angle with the lens in diffused cover
- Creide F: wider spread angle with diffuser 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.68

LCEL-1170-L27-DF-I

1/2 illuminance angle
43°
549 662
137 166
61 74
34 41
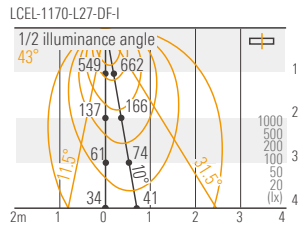
Specification

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

Cleide 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

			0150	0300	0510	0880	1170	1460
W	4000K	Ra 92	○ 195 lm	○ 391 lm	○ 684 lm	○ 1174 lm	○ 1565 lm	○ 1956 lm
WW	3500K	Ra 93	○ 189 lm	○ 378 lm	○ 662 lm	○ 1135 lm	○ 1514 lm	○ 1892 lm
L30	3000K	Ra 94	○ 184 lm	○ 369 lm	○ 646 lm	○ 1108 lm	○ 1478 lm	○ 1847 lm
L27	2700K	Ra 93	○ 174 lm	○ 349 lm	○ 612 lm	○ 1049 lm	○ 1399 lm	○ 1749 lm
L24	2400K	Ra 93	○ 163 lm	○ 327 lm	○ 573 lm	○ 982 lm	○ 1310 lm	○ 1638 lm

Cleide 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

			0150	0300	0510	0880	1170	1460
W	4000K	Ra 92	○ 190 lm	○ 381 lm	○ 668 lm	○ 1145 lm	○ 1527 lm	○ 1908 lm
WW	3500K	Ra 93	○ 184 lm	○ 369 lm	○ 646 lm	○ 1108 lm	○ 1477 lm	○ 1847 lm
L30	3000K	Ra 94	○ 178 lm	○ 357 lm	○ 625 lm	○ 1071 lm	○ 1428 lm	○ 1785 lm
L27	2700K	Ra 93	○ 172 lm	○ 344 lm	○ 603 lm	○ 1034 lm	○ 1379 lm	○ 1724 lm
L24	2400K	Ra 93	○ 160 lm	○ 320 lm	○ 560 lm	○ 960 lm	○ 1280 lm	○ 1600 lm

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	5m
Material (body)	Polycarbonate, Aluminum
Attachments	❶Mounting 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	❶Mounting clip ❷Outerclip ❸❹Magnet set ❺Power supply cable ❻Joint cable
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

side view
9.16   17.4
24.2 (81.2)   L±2   (81.2) 19
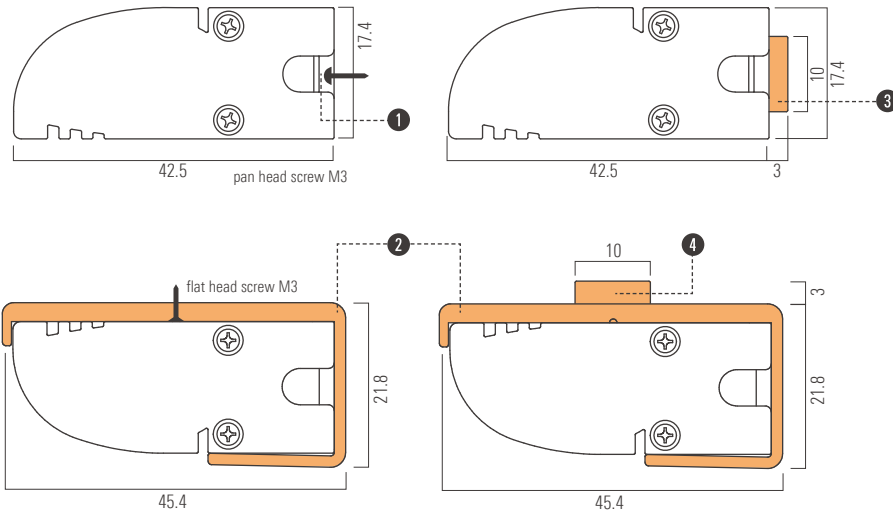
side view
9.16   17.4
42.5

rear view
9.4   9.3
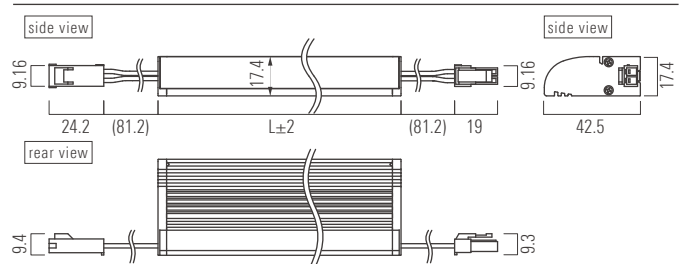
Max. connectable length per power supply

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

17.4

42.5   pan head screw M3 ❶

42.5   3   10   17.4 ❸

❷ flat head screw M3   21.8   45.4

❹ 10   3   21.8   45.4

Option parts

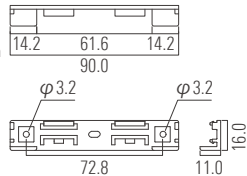❶ Mounting clip A for Creide   Attachment

Model No : LCE-PT-A

Attached with LED fixture
1 pc for 150 mm
2 pcs for 3 00 mm and 510 mm
3 pcs for 880 mm and 1170 mm
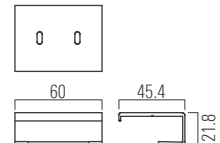4 pcs for 1460 mm

For extra order
  2 pcs / bag

14.2   61.6   14.2
90.0
φ 3.2   φ 3.2
72.8   11.0   16.0

❷ 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

60   45.4   21.8

❸ Magnet Set L

Model No : MG-L

10 sets/bag

Required 2 pcs per Mounting clip A

Used for installing LED fixture with ❶ Mounting clip A on metal plate.
Metal plate is required by installer.
Not available for Air Freight shipping

Magnet	Plate	Screw
10 3 10 Countersink for M3	8 1 8 M3 tap	8 M3
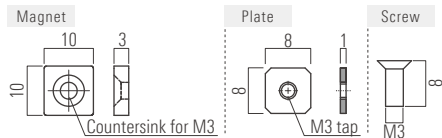
❹ Magnet Set A

Model No : MG-A

5 sets/bag

Required 2 pcs per Outer clip

Used for installing LED fixture with ❷ Outer clip for Creide on metal plate.
Metal plate is required by installer.
Not available for Air Freight shipping

Magnet	Plate	Wassher	Screw
10 3 10 Countersink for M3	8 1 8 M3 tap	0.5 3.5 7.8	5 M3

❺ Power supply cable 3M

Model No : CAD-3000-MCRN-I

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

9.2
8.4   24.2   3000+40 0

❻ Joint cable 1M

Model No : CAD-1000-MCFC-I

Joint cable between two LED fixtures

9.2
8.4   24.2   1000±15   19.0   9.3   9.2

Indoor

Rigid light

LCEF/LCEL

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line
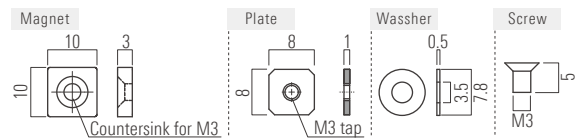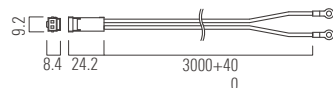
Luci Creide® F / Luci Creide® lens
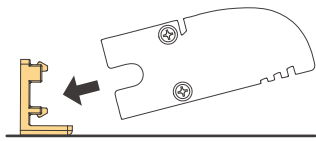
Mounting clip A installation: behind fixing
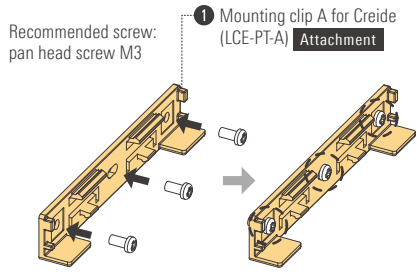
Recommended screw:
pan head screw M3

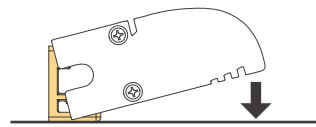**①** Mounting clip A for Creide
(LCE-PT-A) `Attachment`

Recommend to use at least 3 pcs per meter with less than 380mm pitch.

Magnet installation
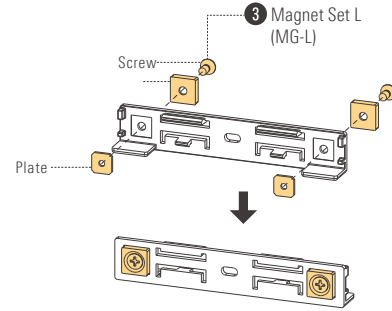
③ Magnet Set L
(MG-L)

Screw

Plate

Use three screws per one Mounting clip A.

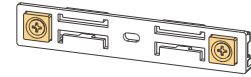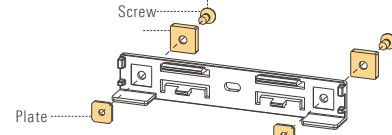Mounting clips should be installed in the position (as shown above).

Clasp the LED fixture onto the preset mounting clips (a click sound will be produced once it is tightly fastened).

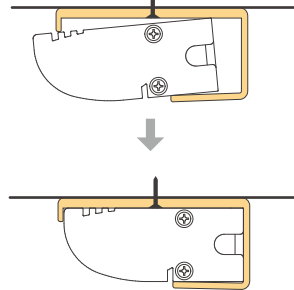Ensure that there are no gaps in between fixture and surface
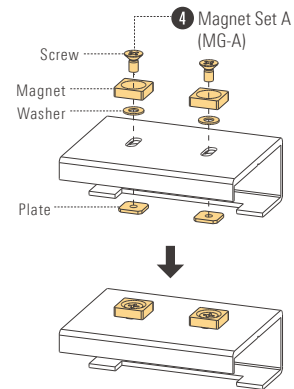
Outer clip installation
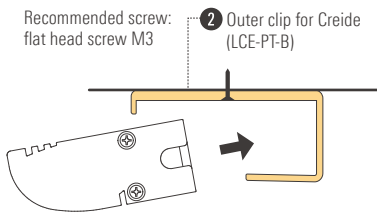
Recommended screw:
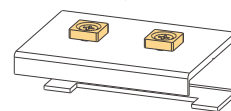flat head screw M3

② Outer clip for Creide
(LCE-PT-B)
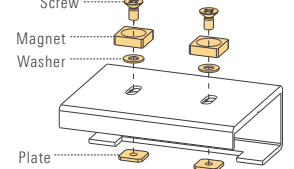
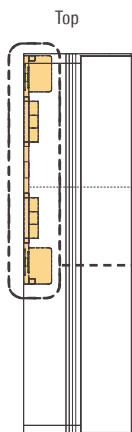Recommend to use at least 3 pcs per meter with less than 380mm pitch.

Magnet installation

④ Magnet Set A
(MG-A)

Screw

Magnet

Washer

Plate

If the flat head screw is short and the plate does not tighten, please remove the washer.
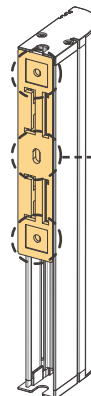
For vertical installation

Top

① 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.
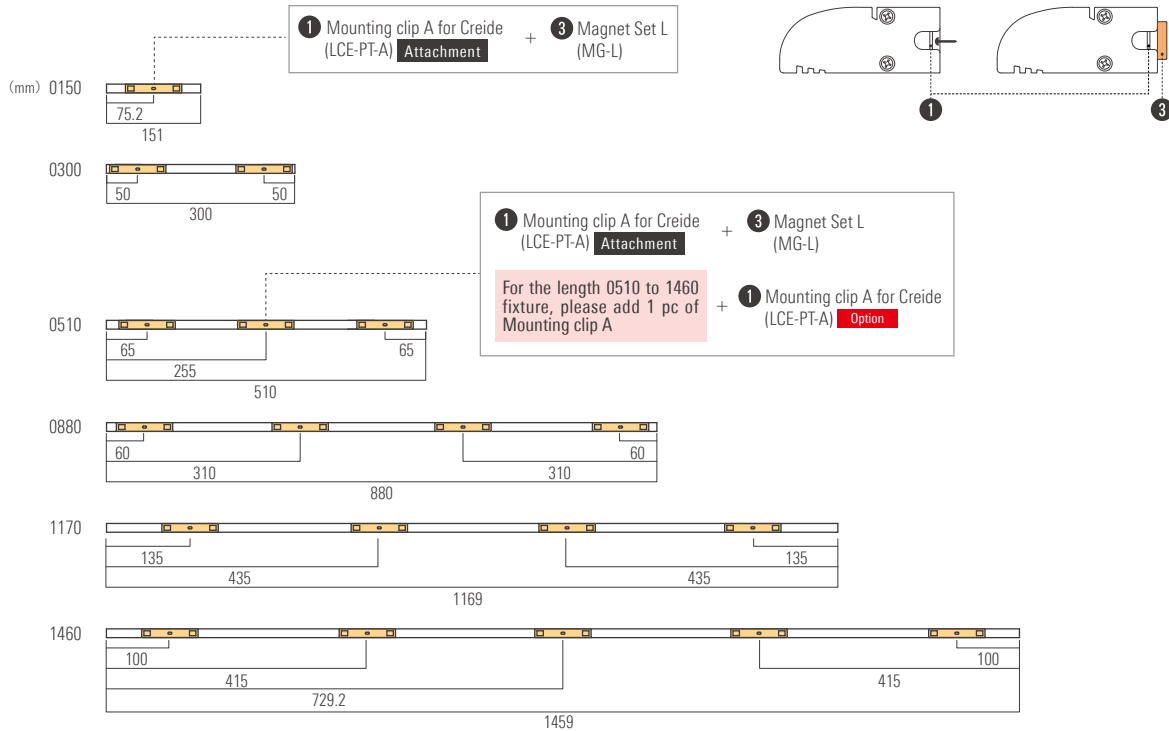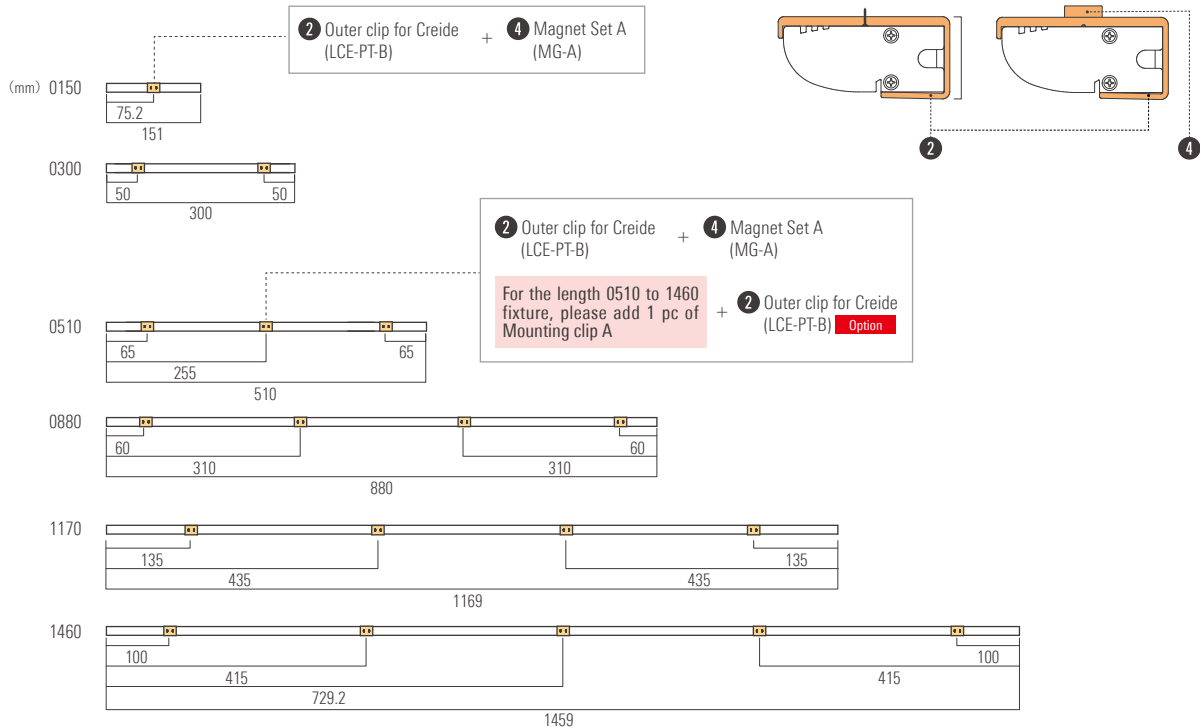
Recommended screw:
pan head screw M3

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.

Luci Creide® F / Luci Creide® lens
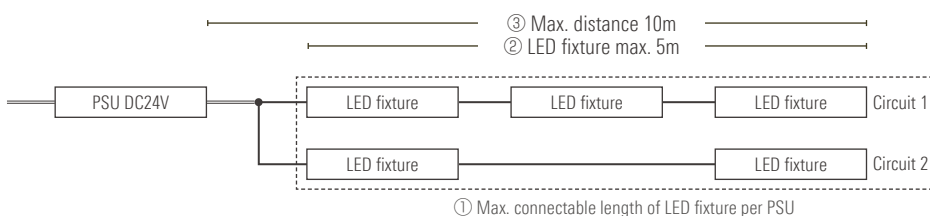
Indoor

Rigid light

LCEF/LCEL

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Installing the product

Recommended number of Mouting clips for the installation

(mm) 0150
75.2
151

❶ Mounting clip A for Creide
(LCE-PT-A) Attachment + ❸ Magnet Set L
(MG-L)

❶ ❸

0300
50   50
300

0510
65   65
255
510

❶ Mounting clip A for Creide
(LCE-PT-A) Attachment + ❸ Magnet Set L
(MG-L)

For the length 0510 to 1460 fixture, please add 1 pc of Mounting clip A + ❶ Mounting clip A for Creide
(LCE-PT-A) Option

0880
60   60
310   310
880

1170
135   135
435   435
1169

1460
100   100
415   415
729.2
1459

Recommended number of Outer clips for the installation

(mm) 0150
75.2
151

❷ Outer clip for Creide
(LCE-PT-B) + ❹ Magnet Set A
(MG-A)

❷ ❹

0300
50   50
300

0510
65   65
255
510

❷ Outer clip for Creide
(LCE-PT-B) + ❹ Magnet Set A
(MG-A)

For the length 0510 to 1460 fixture, please add 1 pc of Mounting clip A + ❷ Outer clip for Creide
(LCE-PT-B) Option

0880
60   60
310   310
880

1170
135   135
435   435
1169

1460
100   100
415   415
729.2
1459

System configuration diagram

③ Max. distance 10m
② LED fixture max. 5m

PSU DC24V

LED fixture — LED fixture — LED fixture | Circuit 1
LED fixture — LED fixture | Circuit 2

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)

Luci Creide® F / Luci Creide® lens

Distance from wall

mm
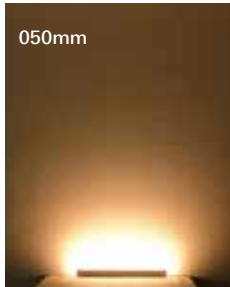
050mm

100mm

150mm

200mm

300mm

Illuminance Data
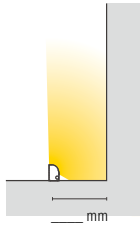
LCEF
Luci Creide F

Color temparature

4000K 3500K 3000K 2700K 2400K

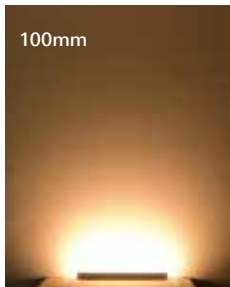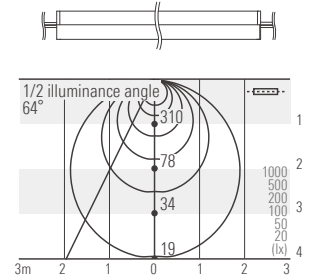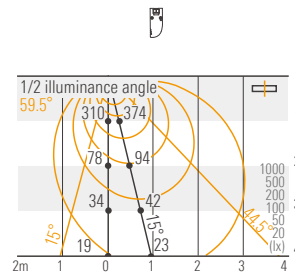### Direct horizontal surface light intensity distribution chart

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
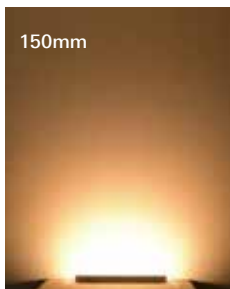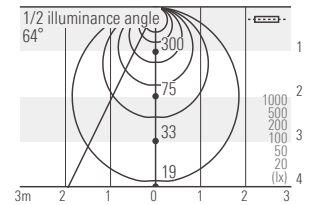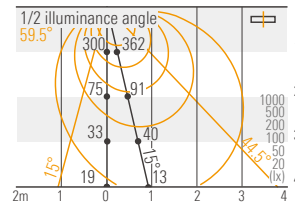
LCEL-1170-L30-DF-I

Light source color	3000K
Brightness	293 cd
Luminous flux	1478 lm
Color rendering index	Ra 94
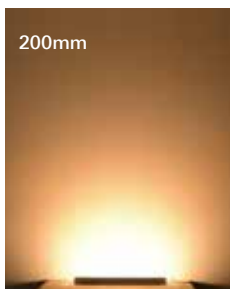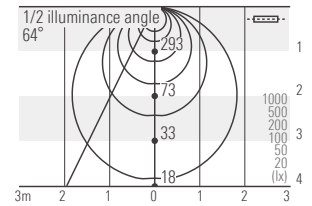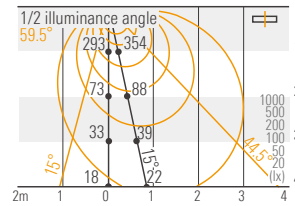
LCEL-1170-L27-DF-I

Light source color	2700K
Brightness	277 cd
Luminous flux	1399 lm
Color rendering index	Ra 93
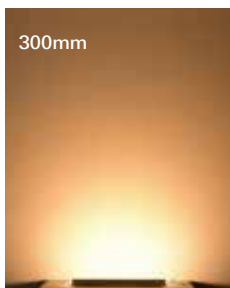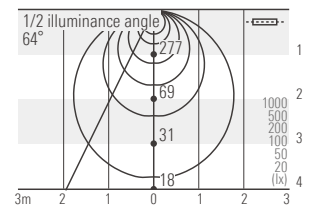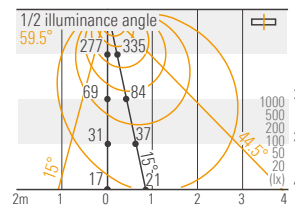
LCEL-1170-L24-DF-I

Light source color	2400K
Brightness	260 cd
Luminous flux	1310 lm
Color rendering index	Ra 93
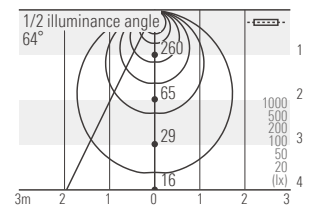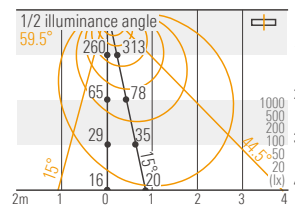
Luci Creide® F / Luci Creide® lens

Indoor

Rigid light

LCEF/LCEL

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Recommendend dimensions and illumination distribuitions

Cornice lighting-1 CH=2800
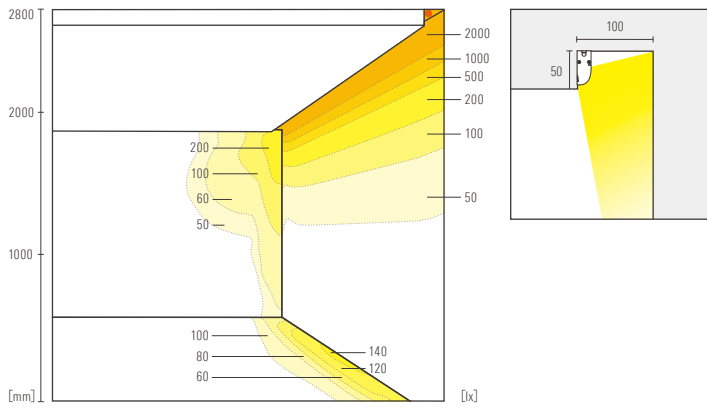
Cornice lighting-1 CH=5000
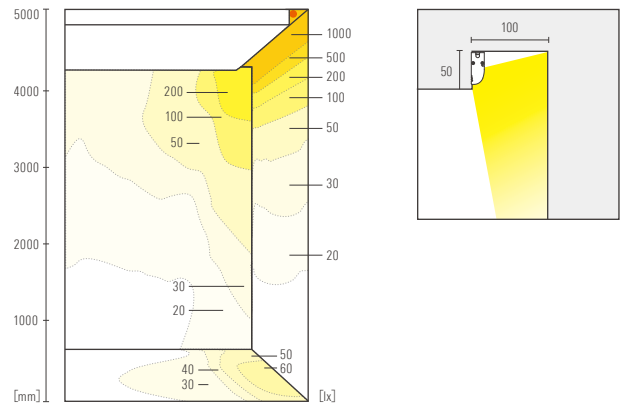
Cornice lighting-2 CH=2800

Cornice lighting-2 CH=5000
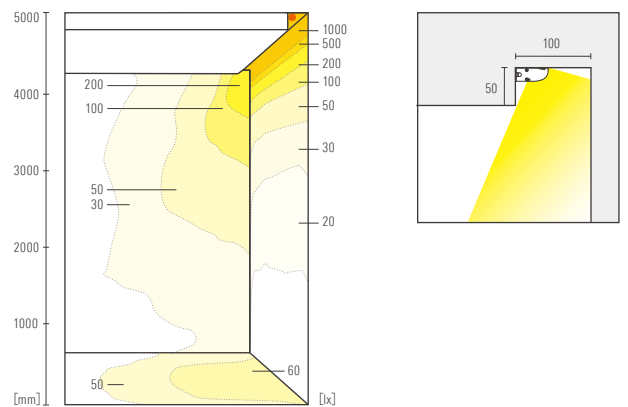
Cove lighting CH=2800

Luci Creide® F / Luci Creide® lens

Distance from wall

_____ mm

050mm

100mm

150mm

200mm

300mm
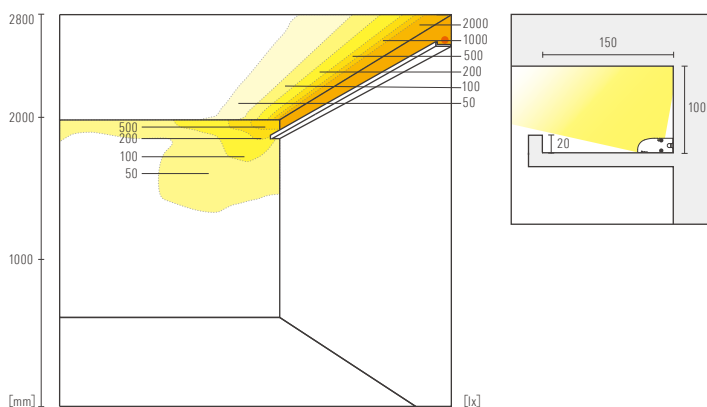
Illuminance Data
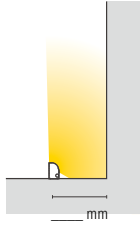
LCEL
Luci Creide lens

Color temparature

4000K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart
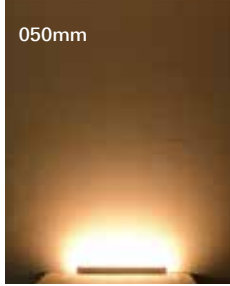
LCEL-1170-W-DF-I

Light source color	4000K
Brightness	608 cd
Luminous flux	1527 lm
Color rendering index	Ra 92

1/2 illuminance angle 43°
608 733
152 183
68 81
38 46

1/2 illuminance angle 58°
608
152
68
38
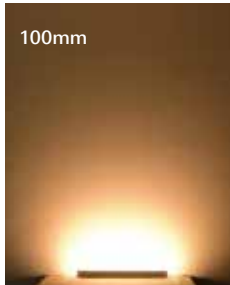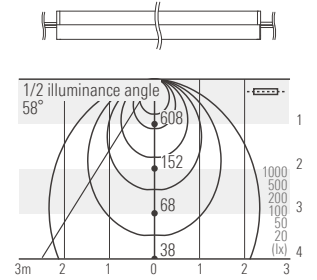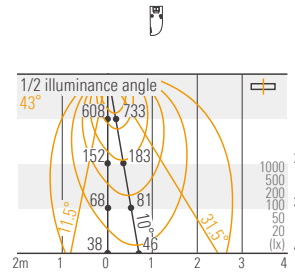
LCEL-1170-WW-DF-I

Light source color	3500K
Brightness	588 cd
Luminous flux	1477 lm
Color rendering index	Ra 93

1/2 illuminance angle 43°
588 709
147 177
65 79
37 44

1/2 illuminance angle 58°
588
147
65
37
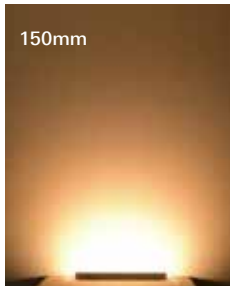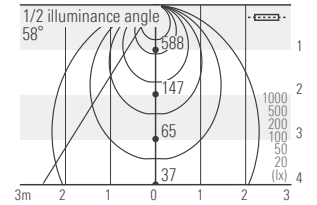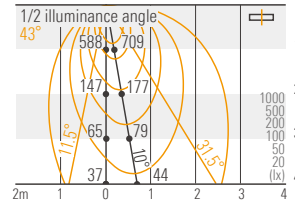
LCEL-1170-L30-DF-I

Light source color	3000K
Brightness	568 cd
Luminous flux	1428 lm
Color rendering index	Ra 94

1/2 illuminance angle 43°
568 686
142 171
63 76
36 43

1/2 illuminance angle 58°
568
142
63
36
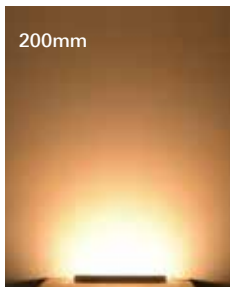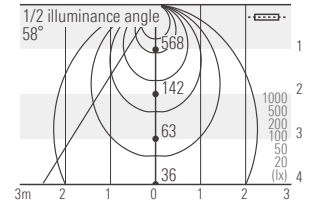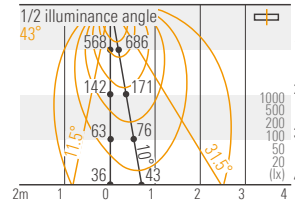
LCEL-1170-L27-DF-I

Light source color	2700K
Brightness	549 cd
Luminous flux	1379 lm
Color rendering index	Ra 93

1/2 illuminance angle 43°
549 662
137 166
61 74
34 41

1/2 illuminance angle 58°
549
137
61
34
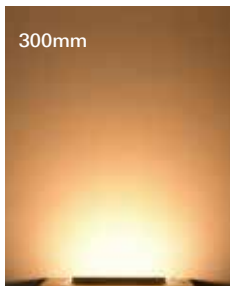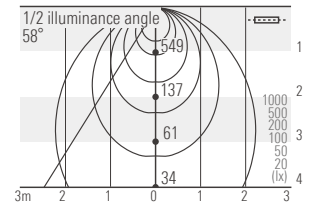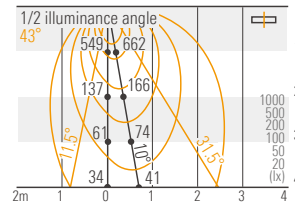
LCEL-1170-L24-DF-I

Light source color	2400K
Brightness	509 cd
Luminous flux	1280 lm
Color rendering index	Ra 93
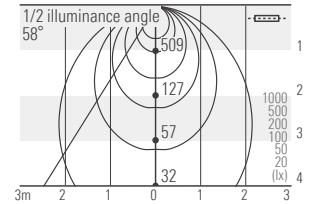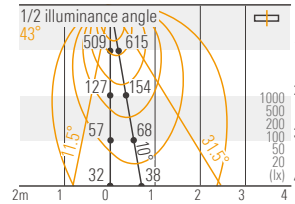
1/2 illuminance angle 43°
509 615
127 154
57 68
32 38

1/2 illuminance angle 58°
509
127
57
32

Luci Creide® F / Luci Creide® lens

Indoor

Rigid light

LCEF/LCEL

Vivoxy Graze

RECTA

THOF⁽ᴿ⁾

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Recommendend dimensions and illumination distribuitions
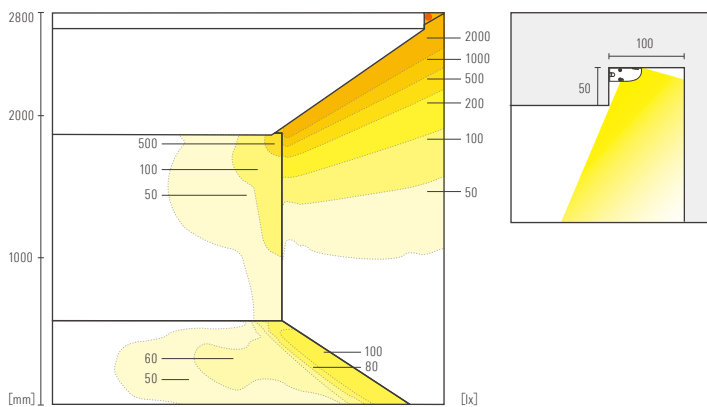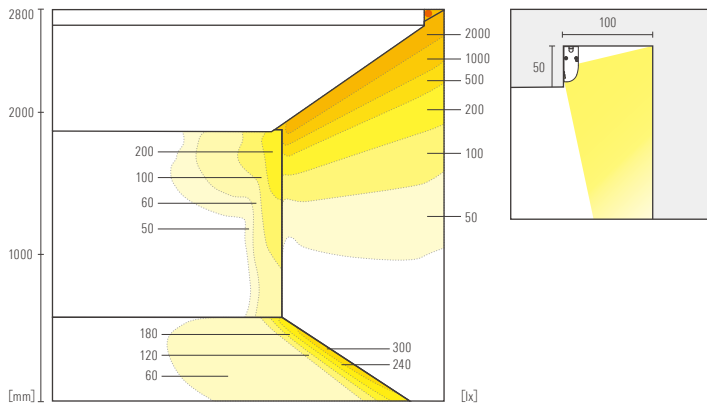
Cornice lighting-1 CH=2800
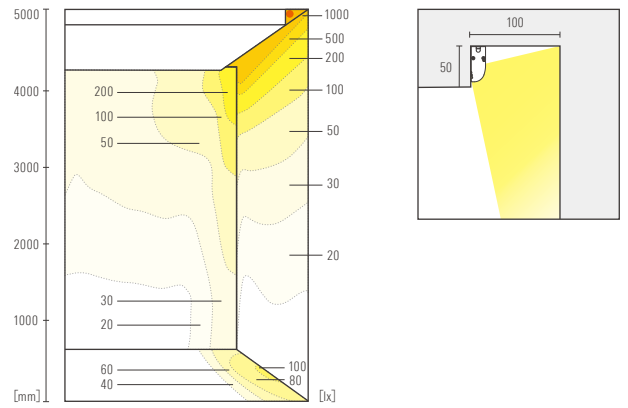
Cornice lighting-1 CH=5000
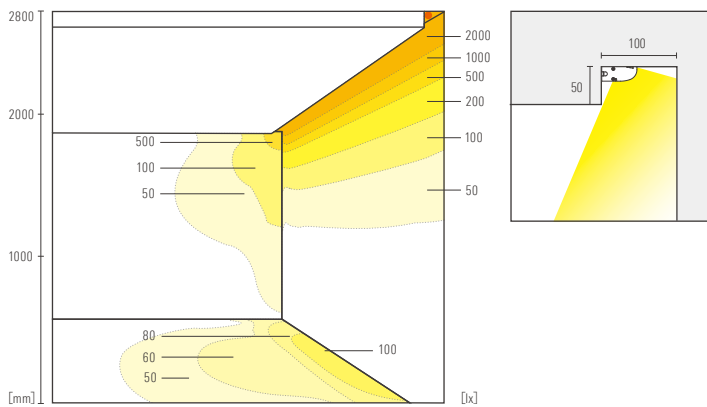
Cornice lighting-2 CH=2800

Cornice lighting-2 CH=5000
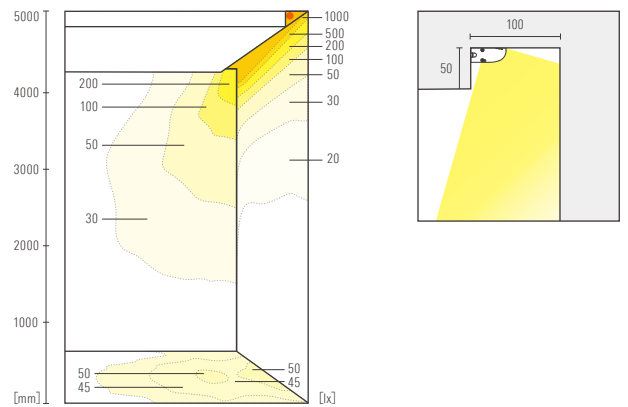
Cove lighting CH=2800
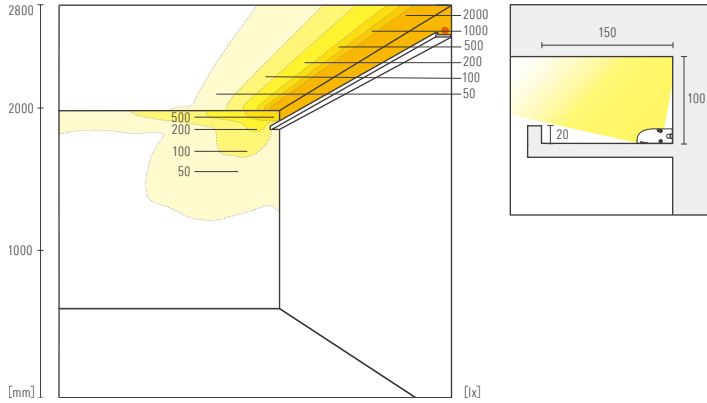
LSXK / LSXWK
Luci silux® series

HOTEL RISVEGLIO AKASAKA
Location: Japan
Architect office: MIURASHIN ARCHITECT+ASSOCIATES
Lighting Design: SEKI FURNITURE Co.,Ltd. (Kenji Noda)
Construction: SHINNIHON CORPORATION
Photo: SEKI FURNITURE Co.,Ltd. (Kenji Noda)

ANA CROWNE PLAZA OSAKA
Location: Japan
Architect office: Kenmochi Design Associates
Lighting design: ATELIER MANSARDE
Construction: TANSEISHA Co., Ltd
Photo: Yasutake Kondo

EDG Design Singapore Office
Location: Singapore
Architect office: EDG
Lighting design: EDG

Luci silux® K / Luci silux® wide K

silux K

silux wide K

LSXK/LSXWK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line
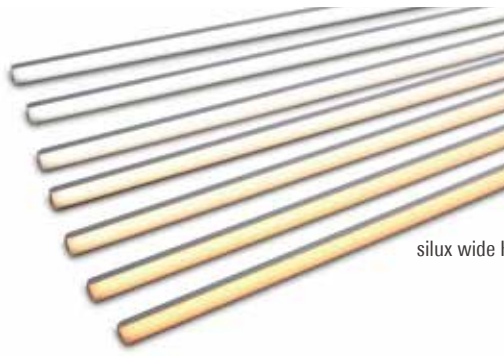
Power comsumption

The low power consumption 4.3 W/m and 8.1 W/m have been added in silux K series to meet Energy-Efficient Lighting Design associated with Lighting power density (LPD) requirement.

These were developed for replying our customer's request in term of the trend of eco-friendly product and became our regular item.

	13.3 W/m
NEW	8.1 W/m
NEW	4.3 W/m

Light distribution

silux K
LSXK

silux wide K
LSXWK

You can choose from two types of light distribution. 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. With a quarter-circleshaped cross-section, the silux wide K can be used as a cove lighting or shelf lighted inside up evenly, as the light distribution is slightly inclined.

Color temperature

5000K
4000K
3500K
3000K
2700K
2400K
2100K

Wide range of color temperature with MacAdam 3 steps and >Ra 90, suitable for many applications. Luci developed original low color temperature 2100K and 2400K which is rare to been seen in market, for hotel preferred color.

Lumen output in 1008 mm

	silux K	silux wide K
13.3 W/m	581 lm	759 lm
8.1 W/m	421 lm	551 lm
4.3 W/m	199 lm	261 lm

Length Variation

Various length could be achieved by combining 10 lengths (from 74mm to 1451mm) of silux.
Applicable to different usage and environment such as shelf, handrail and cove light.

Min. 74 mm

10 types
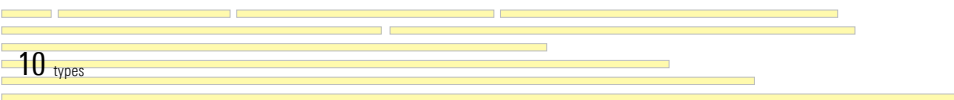
Max. 1451 mm

Applications

silux K

silux wide K
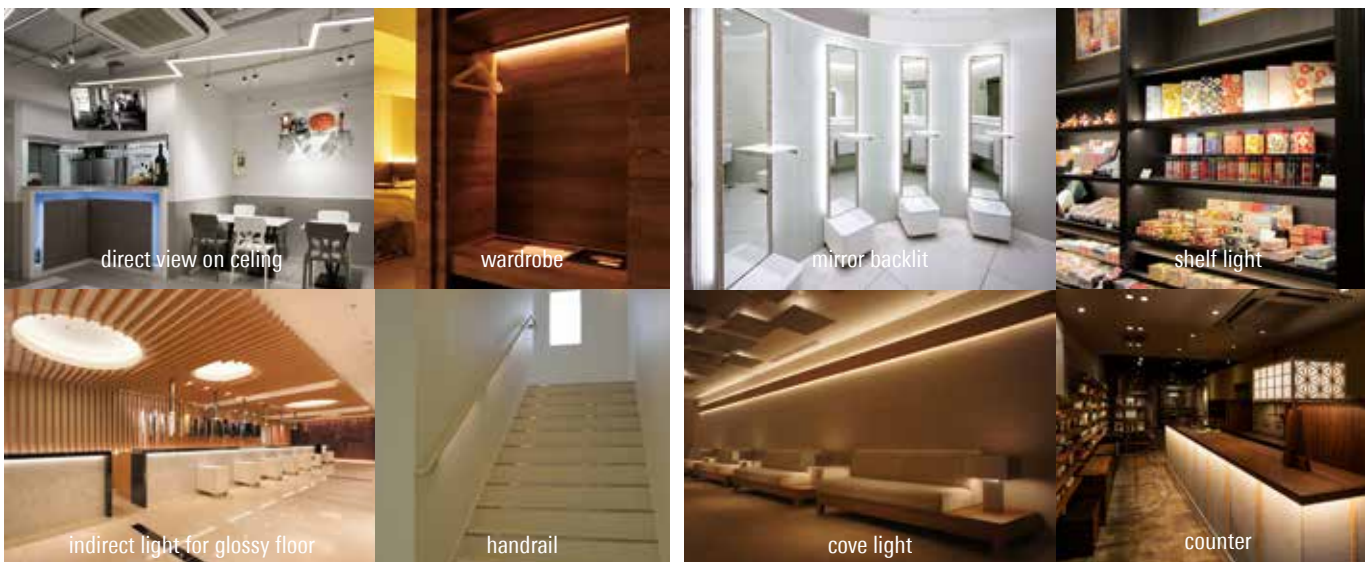
direct view on celing

wardrobe

mirror backlit

shelf light

indirect light for glossy floor

handrail

cove light

counter

Luci silux® K

LSXK

- 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.79
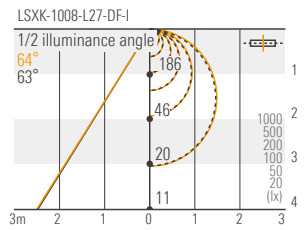
LSXK-1008-L27-DF-I

1/2 illuminance angle
64°
63°

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
Luminarie 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

NEW 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
Luminarie 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

NEW 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
Luminarie 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	❶Multiclip 3 pcs for 702mm or shorter 5 pcs for 823mm or longer
Option parts	❶Multiclip ❷Liftclip ❸Outerclip ❹❺Magnet set ❻Power supply cable ❼Joint cable
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

rear view

top view

9.16   12   9.16

19   (80)   L±2   (80)   24.2

side view

9.3   14   8.4

side view

14   12

Luci silux® K

Indoor

Rigid light

LSXK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Cross sectional view when installing optional items

16
12
flat head tapping screw M3
❶

16
34
flat head tapping screw M3
❶

27
❷
pan head screw M3
12

27
❷
12
flat head tapping screw M3

17.5
15.4
flat head tapping screw M3
❸

19
❶
❹
12

27
❷
15
❺

30
❷
12
❺

Option parts

❶ Multiclip K for silux   Attachment

Model No : LSX-PTM-C

Attached with LED fixture
 3pcs for 702mm or shorter
 5psc for 823mm or longer

For extra order
 3pcs/bag

12   4.8
34
2

❷ 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.

12   62.6
15.8 13
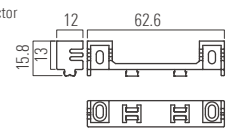
❸ Outerclip for silux

Model No : LSX-PT-A
5 pcs/1 bag

Outerclip is for the downwards
emitting installation.

15.4   10
17.5
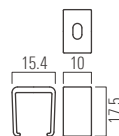
for multiclip installation   ❹ Magnet Set A

Model No : MG-A
5 pcs/1 bag

Used for installing LED fixture with ❶Multicilp clip on metal plate.
Metal plate is required by installer.
Not available for Air Freight shipping.

Magnet	Plate	Wassher	Screw
10 3	8 1	0.5	5
10	8	3.5 7.8	
Countersink for M3	M3 tap		M3

for liftclip installation   ❺ Magnet Set L
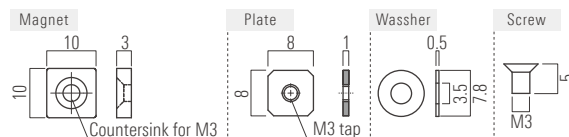
Model No : MG-L
10 pcs/1 bag

Used for installing LED fixture with ❷Lift clip on metal plate.
Metal plate is required by installer.
Not available for Air Freight shipping.

Magnet	Plate	Screw
10 3	8 1	8
10	8	
Countersink for M3	M3 tap	M3
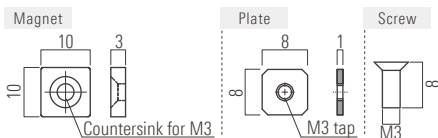
Power supply cable   ❻ Power supply cable 3M

Model No : CAD-3000-MCRN-I

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

9.2
8.4 24.2   3000+40
0

Joint cable   ❼ Joint cable 1M

Model No : CAD-1000-MCFC-I

Joint cable between two LED fixtures

9.2
8.4 24.2   1000±15   19.0 9.3

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

Multiclip K installation: behind fixing

Recommended screw:
flat head screw M3

❶ Multiclip K for silux
(LSX-PTM-C) `Attachment`

Recommend to use at least 4 pcs per meter with less than 300mm pitch.

Magnet installation

Plate

Magnet

Screw

❹ Magnet Set A
(MG-A)

Multiclip K installation: side fixing

❶ Multiclip K for silux
(LSX-PTM-C) `Attachment`

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

❷ Liftclip for silux
(LSX-PTL)

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

Plate

Magnet

Screw

❺ Magnet Set L
(MG-L)

Liftclip installation: Horizontal installation direction

❷ Liftclip for silux
(LSX-PTL)

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

Screw

Magnet

Plate

❺ Magnet Set L
(MG-L)

Indoor

Rigid light

LSXK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Luci silux® K

Installing the product

Outerclip installation

Recommended screw:
flat head screw M3

3 Outerclip for silux
(LSX-PT-A)

Recommend to use at least 4 pcs per meter with less than 300mm pitch.

For vertical installation

Bottom

check

1 Multiclip K for silux
(LSX-PTM-C) Attachment

Recommended screw:
flat head screw M3

Top

check

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 clips for the installation

1 Multiclip K for silux
(LSX-PTM-C) Attachment

OR

1 Multiclip K for silux
(LSX-PTM-C) Attachment

+ **4** Magnet Set A
(MG-A)

2 Liftclip for silux
(LSX-PTL)

OR

2 Liftclip for silux
(LSX-PTL)

+ **5** Magnet Set L
(MG-L)

（mm） 0074
37
74

0259
29.5　　200　　29.5
259

0388
44.5　　300　　44.5
388

0509
104.5　　300　　104.5
509

0573
36.5　　250　　250　　36.5
573

0702
51　　300　　300　　51
702

0823
36.5　　250　　250　　250　　36.5
823

1008
84　　280　　280　　280　　84
1008

1137
118.5　　300　　300　　300　　118.5
1137

1451
125.5　　300　　300　　300　　300　　125.5
1451

Luci silux® K

Recommended number of clips for the installation

③ Outerclip for silux
(LSX-PT-A)

（mm） 0074		
37		
74		

0259
29.5 | 200 | 29.5
259

0388
44.5 | 300 | 44.5
388

0509
104.5 | 300 | 104.5
509

0573
36.5 | 250 | 250 | 36.5
573

0702
51 | 300 | 300 | 51
702

0823
36.5 | 250 | 250 | 250 | 36.5
823

1008
84 | 280 | 280 | 280 | 84
1008

1137
118.5 | 300 | 300 | 300 | 118.5
1137

1451
125.5 | 300 | 300 | 300 | 300 | 125.5
1451

System configuration diagram

③ Max. distance 11m
② LED fixture max. 6m

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |
| LED fixture | | LED fixture | Circuit 2 |

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)

Distance from wall

0mm

50mm

100mm

150mm

200mm

300mm

_____ mm

Illuminance data

LSXK-13
Luci silux K

Color temparature

| 5000K | 4000K | 3500K | 3000K | 2700K | 2400K | 2100K |

LSXK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

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

1/2 illuminance angle 64° 63°
209, 52, 23, 13

LSXK-1008-W-DF-I-13

Light source color	4000K
Brightness	209 cd
Luminous flux	620 lm
Color rendering index	Ra 94

1/2 illuminance angle 64° 63°
209, 52, 23, 13
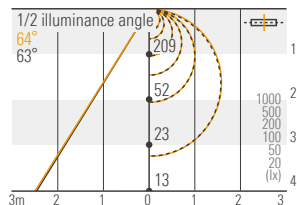
LSXK-1008-WW-DF-I-13

Light source color	3500K
Brightness	200 cd
Luminous flux	594 lm
Color rendering index	Ra 94

1/2 illuminance angle 64° 63°
200, 50, 22, 12
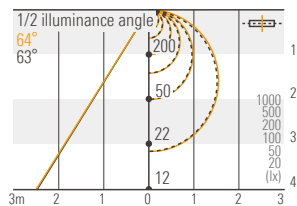
LSXK-1008-L30-DF-I-13

Light source color	3000K
Brightness	195 cd
Luminous flux	581 lm
Color rendering index	Ra 93

1/2 illuminance angle 64° 63°
195, 48, 21, 12
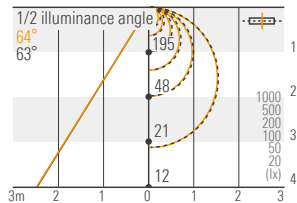
LSXK-1008-L27-DF-I-13

Light source color	2700K
Brightness	186 cd
Luminous flux	554 lm
Color rendering index	Ra 93

1/2 illuminance angle 64° 63°
186, 46, 20, 11
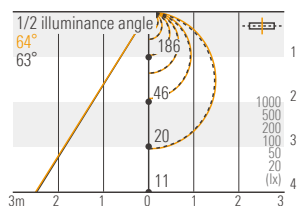
LSXK-1008-L24-DF-I-13

Light source color	2400K
Brightness	173 cd
Luminous flux	515 lm
Color rendering index	Ra 94

1/2 illuminance angle 64° 63°
173, 43, 19, 10
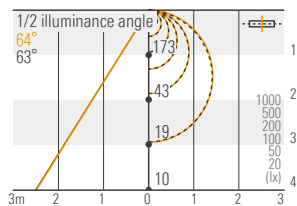
LSXK-1008-L21-DF-I-13

Light source color	2100K
Brightness	179 cd
Luminous flux	483 lm
Color rendering index	Ra 90

1/2 illuminance angle 64° 63°
162, 40, 18, 10

Recommendend dimensions and illumination distribuitions

Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800

Cove lighting CH=2800

Luci silux® K

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

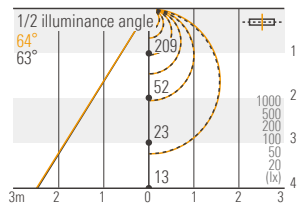|	
Light source color	3000K
Brightness	142 cd
Luminous flux	421 lm
Color rendering index	Ra 93

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

Indoor

Rigid light

LSXK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

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
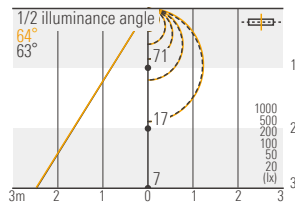
LSXK-1008-W-DF-I-4

Light source color	4000K
Brightness	71 cd
Luminous flux	213 lm
Color rendering index	Ra 94
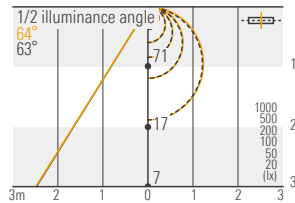
LSXK-1008-WW-DF-I-4

Light source color	3500K
Brightness	68 cd
Luminous flux	204 lm
Color rendering index	Ra 94
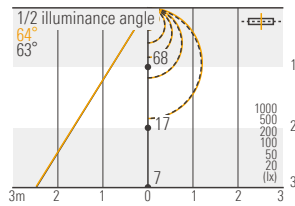
LSXK-1008-L30-DF-I-4

Light source color	3000K
Brightness	67 cd
Luminous flux	199 lm
Color rendering index	Ra 93
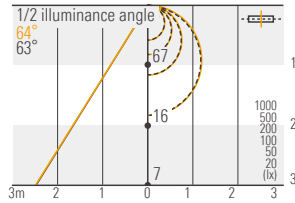
LSXK-1008-L27-DF-I-4

Light source color	2700K
Brightness	64 cd
Luminous flux	190 lm
Color rendering index	Ra 93
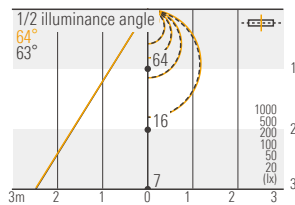
LSXK-1008-L24-DF-I-4

Light source color	2400K
Brightness	59 cd
Luminous flux	177 lm
Color rendering index	Ra 94
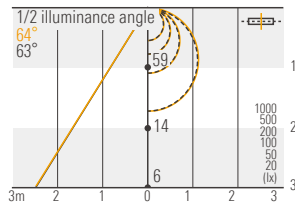
LSXK-1008-L21-DF-I-4

Light source color	2100K
Brightness	56 cd
Luminous flux	166 lm
Color rendering index	Ra 90
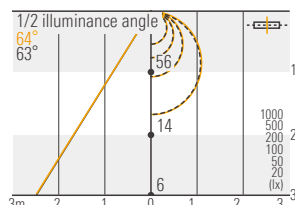
Recommendend dimensions and illumination distribuitions

Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800

Cove lighting CH=2800

Luci silux® wide K
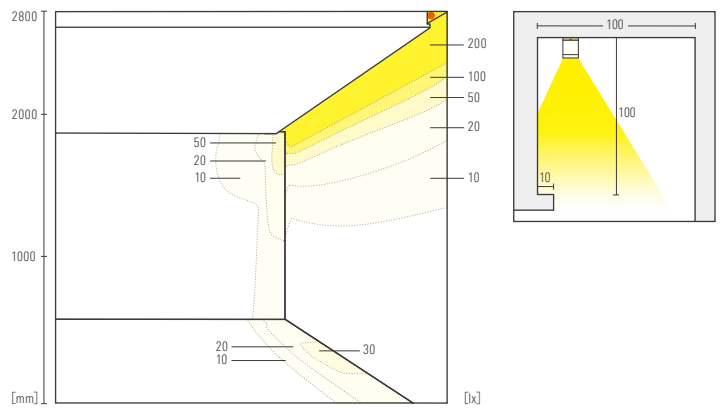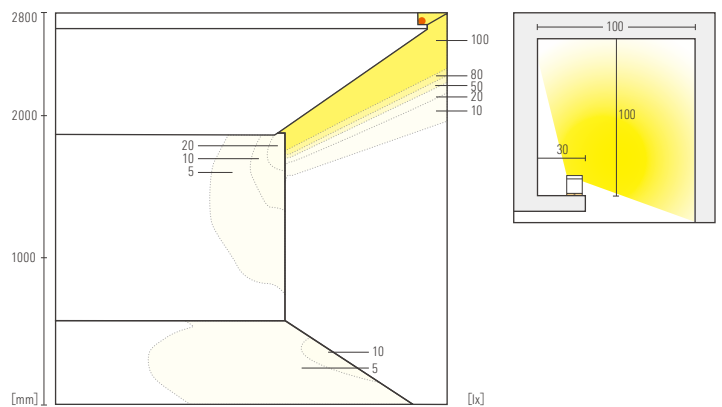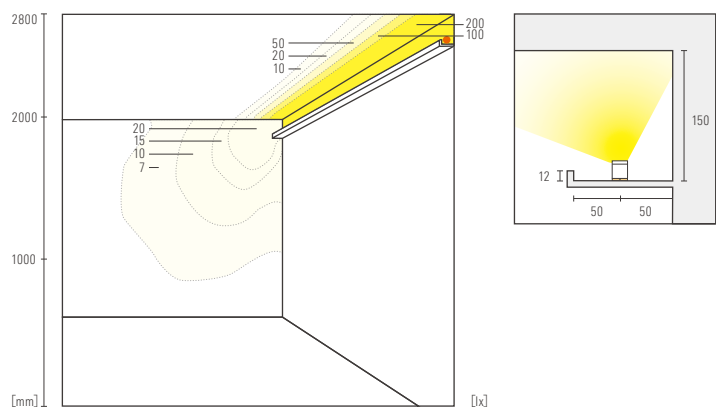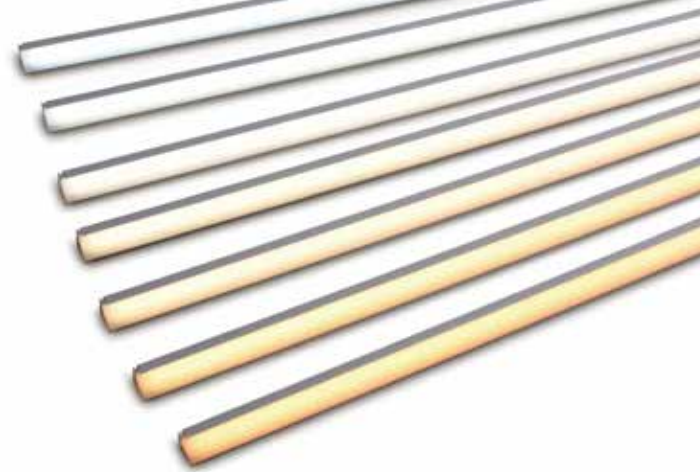
LSXWK

Color management
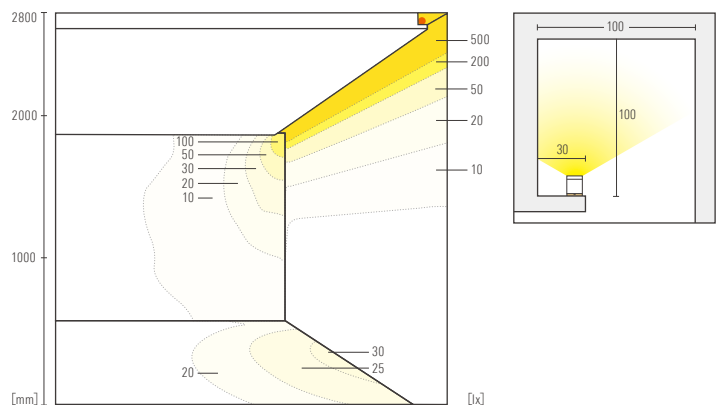**MacAdam 3 step** C €

- 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.88

LSXWK-1008-L27-DF-I-13

1/2 illuminance angle
64°
63°
186
46°
20
11
3m 2 1 0 1 2 3

1000 500 200 100 50 20 (lx)

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
Luminarie 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

NEW 8.1 W/m series
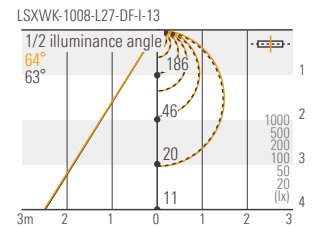
Model No.	LSXWK-0074-☐-DF-I-8	LSXWK-0259-☐-DF-I-8	LSXWK-0388-☐-DF-I-8	LSXWK-0509-☐-DF-I-8	LSXWK-0573-☐-DF-I-8
Power consumption	0.5 W	2.0 W	3.1 W	4 W	4.6 W
Model No.	LSXWK-0702-☐-DF-I-8	LSXWK-0823-☐-DF-I-8	LSXWK-1008-☐-DF-I-8	LSXWK-1137-☐-DF-I-8	LSXWK-1451-☐-DF-I-8
Power consumption	5.7 W	6.6 W	8.1 W	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
Luminarie 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

NEW 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
Luminarie 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	❶Multiclip 3 pcs for 702mm or shorter 5 pcs for 823mm or longer
Option parts	❶Multiclip ❷Liftclip ❸Outerclip ❹❺Magnet set ❻Power supply cable ❼Joint cable
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

rear view

side view
24.2 (80) L±2 (80) 19
9.2 12 9.3

side view
18
12

top view
9.4 18 9.3

Luci silux® wide K

Indoor

Rigid light

LSXWK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Cross sectional view when installing optional items

flat head tapping screw M3

34

20

❶

12

20

flat head tapping screw M3

flat head tapping screw M3

12

23

④

flat head tapping screw M3

12

31

❷

pan head screw M3

12

31

❺ **❷**

12

34

15

31

15.7

20.4

❸

flat head tapping screw M3

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

12 4.8

34

2

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.

12 62.6

15.8 13
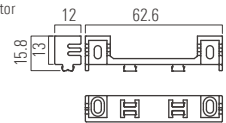
❸ Outerclip for silux wide

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.

30 20.4

15.7
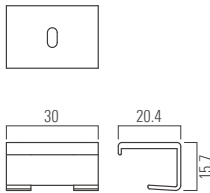
④ Magnet Set A

Model No : MG-A

5 pcs / bag

Used for installing LED fixture with **❶**Multicilp clip on metal plate.
Metal plate is required by installer.
Not available for Air Freight shipping.

Magnet	Plate	Wassher	Screw
10 3	8 1	0.5	
10	8	3.5 7.8	5
Countersink for M3	M3 tap		M3
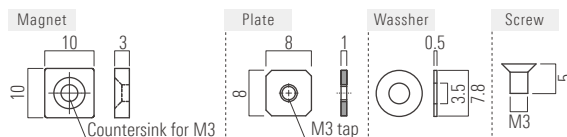
❺ Magnet Set L

Model No : MG-L

10 pcs / bag

Used for installing LED fixture with **❷**Lift clip on metal plate.
Metal plate is required by installer.
Not available for Air Freight shipping.

Magnet	Plate	Screw
10 3	8 1	8
10	8	
Countersink for M3	M3 tap	M3

`Power supply cable` **❻** Power supply cable 3M

Model No : CAD-3000-MCRN-I

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

9.2

8.4 24.2 3000+40
0

`Joint cable` **❼** Joint cable 1M

Model No : CAD-1000-MCFC-I

Joint cable between two LED fixtures

9.2 9.2

8.4 24.2 1000±15 19.0 9.3

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

Multiclip K installation: behind fixing

Recommended screw:
flat head screw M3

1 Multiclip K for silux
(LSX-PTM-C) Attachment

Recommend to use at least 4 pcs per
meter with less than 300mm pitch.

Magnet installation

Plate

Magnet

Screw

4 Magnet Set A
(MG-A)

Multiclip K installation: side fixing

1 Multiclip K for silux
(LSX-PTM-C) Attachment

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

2 Liftclip for silux
(LSX-PTL)

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

Plate

Magnet

Screw

5 Magnet Set L
(MG-L)

Liftclip installation: Horizontal installation direction

2 Liftclip for silux
(LSX-PTL)

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

Screw

Magnet

Plate

5 Magnet Set L
(MG-L)

Luci silux® wide K

Indoor

Rigid light

LSXWK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Installing the product

Outerclip installation

Recommended screw: flat head screw M3

3 Outerclip for silux wide (LSXW-PT-A)

Recommend to use at least 4 pcs per meter with less than 300mm pitch.

For vertical installation

Bottom

check

1 Multiclip K for silux (LSX-PTM-C) `Attachment`

Recommended screw: flat head screw M3

Top

check

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 clips for the installation

1 Multiclip K for silux (LSX-PTM-C) `Attachment` OR

2 Liftclip for silux wide (LSXW-PTL) OR

1 Multiclip K for silux (LSX-PTM-C) `Attachment` + **4** Magnet Set A (MG-A)

2 Liftclip for silux wide (LSXW-PTL) + **5** Magnet Set L (MG-L)

（mm） 0074
37
74

0259
29.5 | 200 | 29.5
259

0388
44.5 | 300 | 44.5
388

0509
104.5 | 300 | 104.5
509

0573
36.5 | 250 | 250 | 36.5
573

0702
51 | 300 | 300 | 51
702

0823
36.5 | 250 | 250 | 250 | 36.5
823

1008
84 | 280 | 280 | 280 | 84
1008

1137
118.5 | 300 | 300 | 300 | 118.5
1137

1451
125.5 | 300 | 300 | 300 | 300 | 125.5
1451

Luci silux® wide K

Recommended number of clips for the installation

③ Outerclip for silux wide
(LSXW-PT-A)

（mm） 0074
37
74

0259
29.5 | 200 | 29.5
259

0388
44.5 | 300 | 44.5
388

0509
104.5 | 300 | 104.5
509

0573
36.5 | 250 | 250 | 36.5
573

0702
51 | 300 | 300 | 51
702

0823
36.5 | 250 | 250 | 36.5
823

1008
84 | 280 | 280 | 280 | 84
1008

1137
118.5 | 300 | 300 | 300 | 118.5
1137

1451
125.5 | 300 | 300 | 300 | 300 | 125.5
1451

③

System configuration diagram

③ Max. distance 11m
② LED fixture max. 6m

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |
| LED fixture | | LED fixture | Circuit 2 |

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)

Distance from wall

50mm

100mm

150mm

200mm

300mm

mm

Luci silux® wide K

Indoor

Rigid light

LSXWK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Luci silux® wide K

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
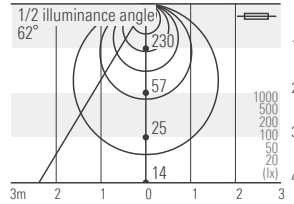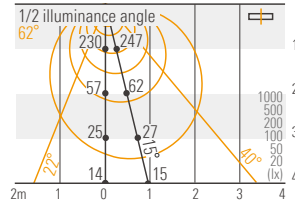
LSXWK-1008-WW-DF-I-13

Light source color	3500K
Brightness	220 cd
Luminous flux	777 lm
Color rendering index	Ra 94
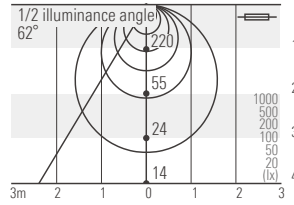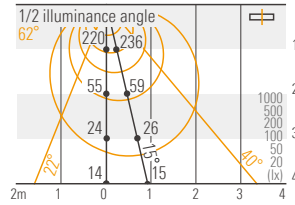
LSXWK-1008-L30-DF-I-13

Light source color	3000K
Brightness	215 cd
Luminous flux	759 lm
Color rendering index	Ra 93
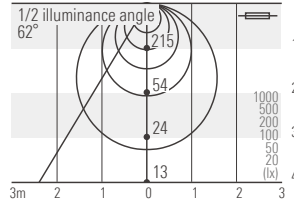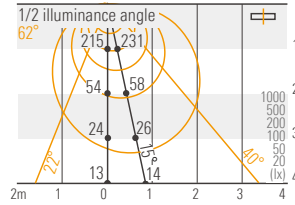
LSXWF-1008-L27-DF-I-13

Light source color	2700K
Brightness	206 cd
Luminous flux	725 lm
Color rendering index	Ra 93
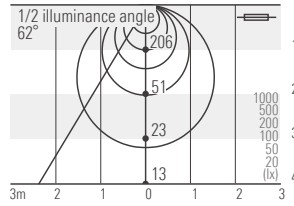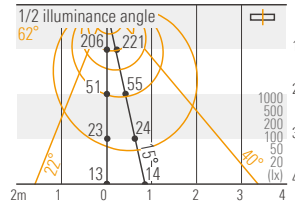
LSXWK-1008-L24-DF-I-13

Light source color	2400K
Brightness	191 cd
Luminous flux	673 lm
Color rendering index	Ra 94
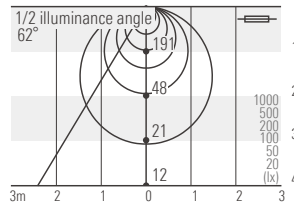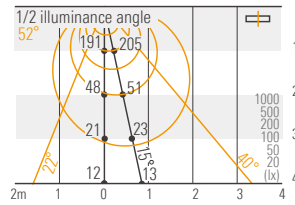
LSXWK-1008-L21-DF-I-13

Light source color	2100K
Brightness	191 cd
Luminous flux	673 lm
Color rendering index	Ra 90

Luci silux® wide K

Indoor

Rigid light

LSXWK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line
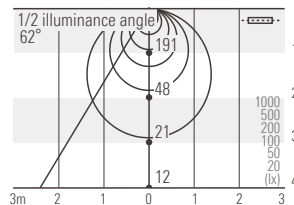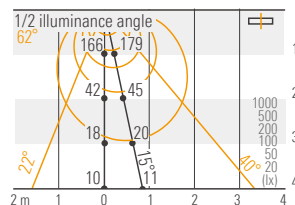
Recommendend dimensions and illumination distribuitions

Cornice lighting-1 CH=2800
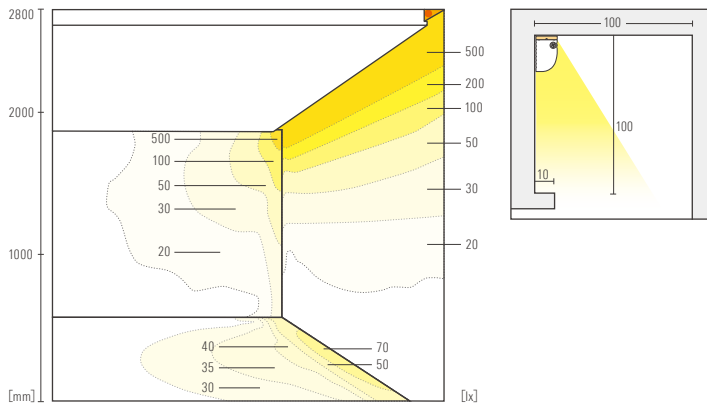
Cornice lighting-2 CH=2800
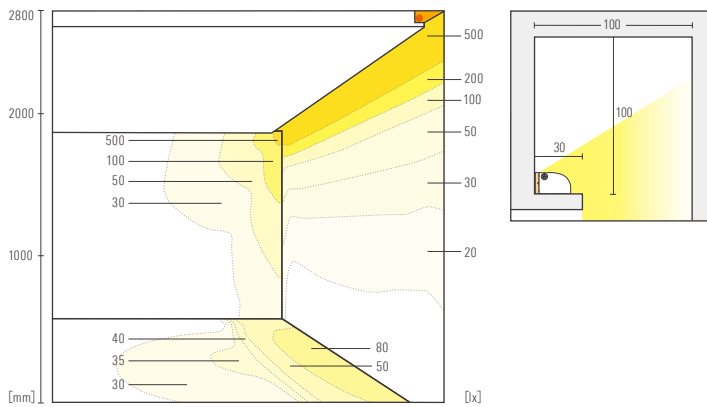
Cove lighting CH=2800
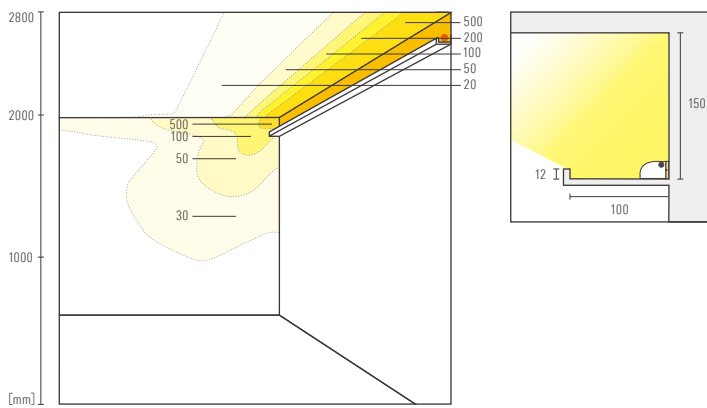
Luci silux® wide K
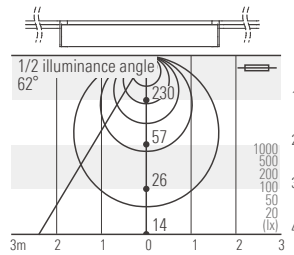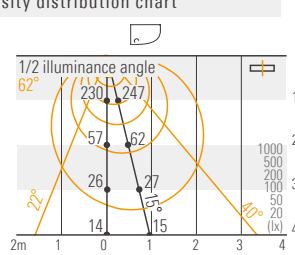
LSXWK-8
Luci silux® wide K

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
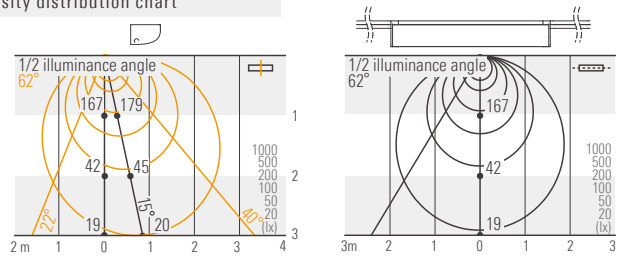
LSXWK-1008-W-DF-I-8

Light source color	4000K
Brightness	167 cd
Luminous flux	589lm
Color rendering index	Ra 94
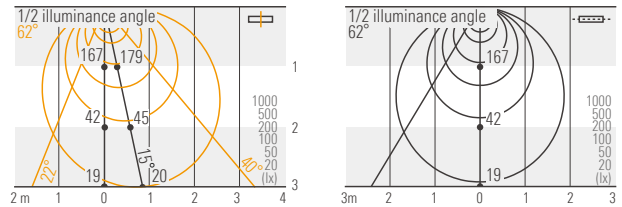
LSXWK-1008-WW-DF-I-8

Light source color	3500K
Brightness	160 cd
Luminous flux	564 lm
Color rendering index	Ra 94
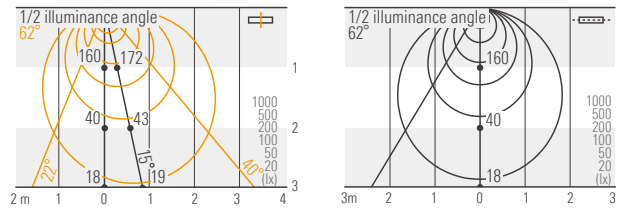
LSXWK-1008-L30-DF-I-8

Light source color	3000K
Brightness	156 cd
Luminous flux	551 lm
Color rendering index	Ra 93
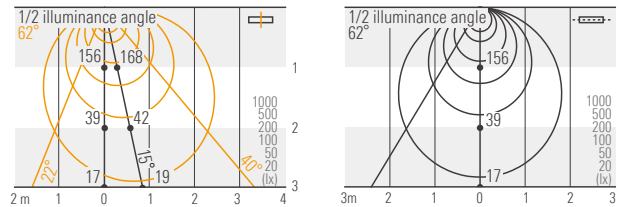
LSXWF-1008-L27-DF-I-8

Light source color	2700K
Brightness	149 cd
Luminous flux	526 lm
Color rendering index	Ra 93
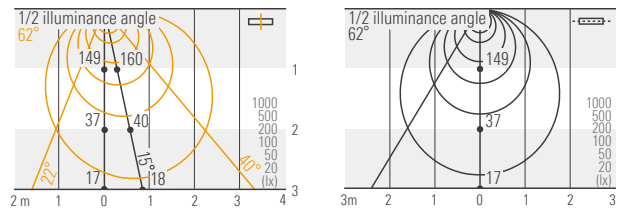
LSXWK-1008-L24-DF-I-8

Light source color	2400K
Brightness	139 cd
Luminous flux	488 lm
Color rendering index	Ra 94
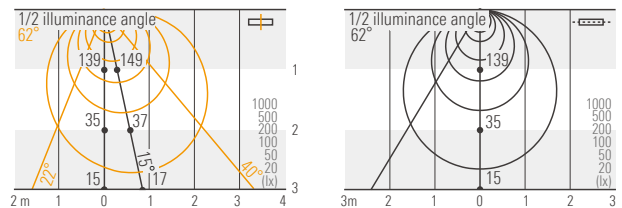
LSXWK-1008-L21-DF-I-8

Light source color	2100K
Brightness	121 cd
Luminous flux	426 lm
Color rendering index	Ra 90
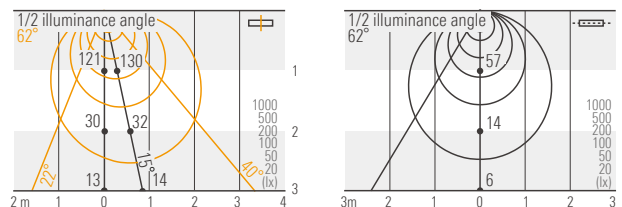
Luci silux® wide K

Indoor

Rigid light

LSXWK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Recommendend dimensions and illumination distribuitions

Cornice lighting-1 CH=2800
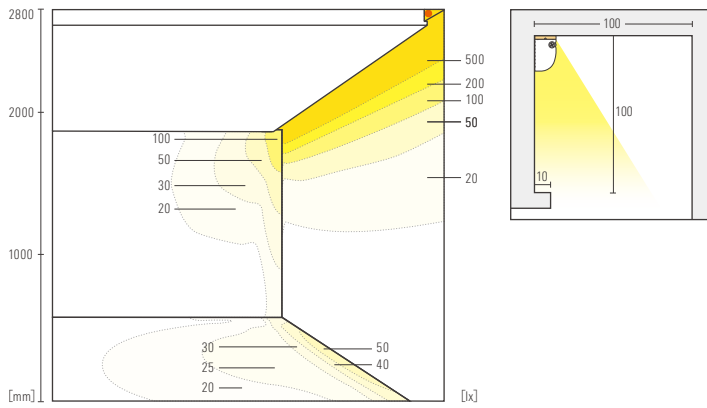
Cornice lighting-2 CH=2800
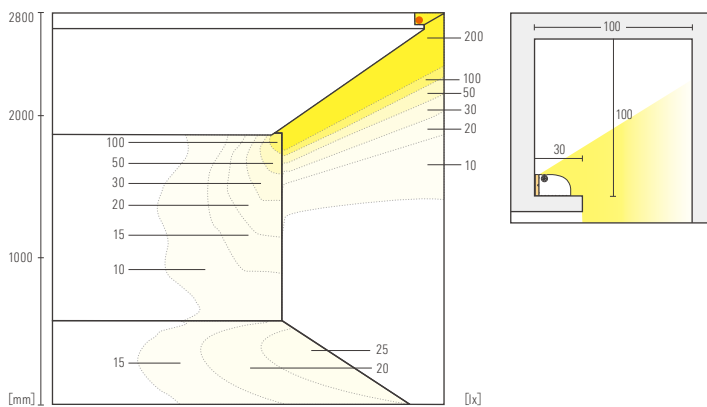
Cove lighting CH=2800
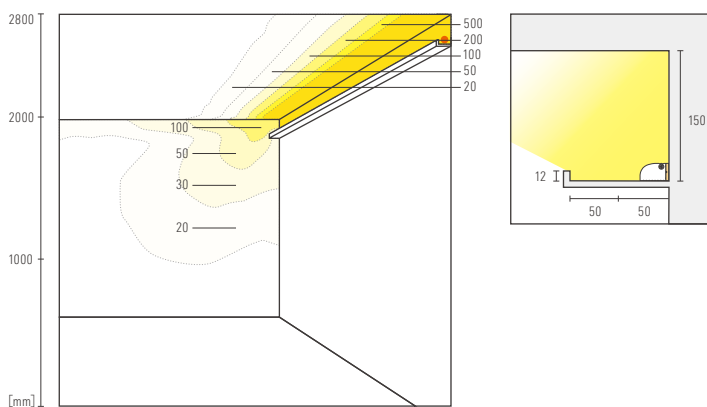
Luci silux® wide K

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
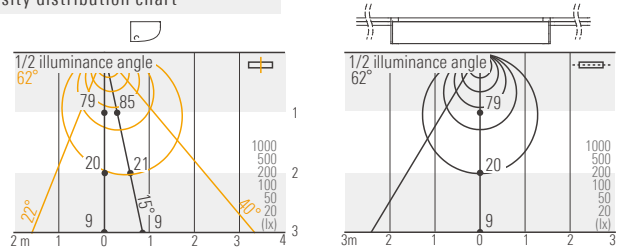
LSXWK-1008-W-DF-I-4

Light source color	4000K
Brightness	79 cd
Luminous flux	279 lm
Color rendering index	Ra 94
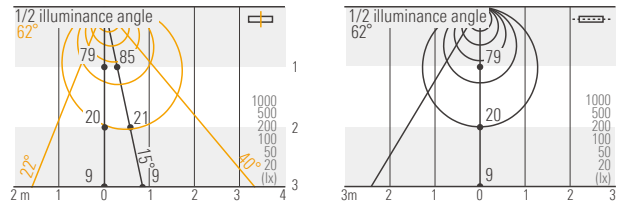
LSXWK-1008-WW-DF-I-4

Light source color	3500K
Brightness	76 cd
Luminous flux	267 lm
Color rendering index	Ra 94
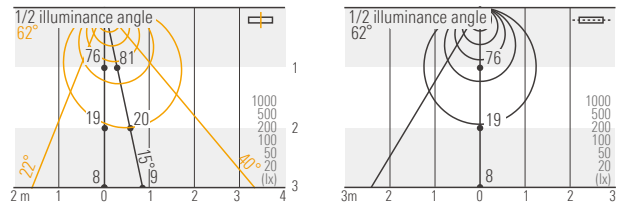
LSXWK-1008-L30-DF-I-4

Light source color	3000K
Brightness	74 cd
Luminous flux	264 lm
Color rendering index	Ra 93
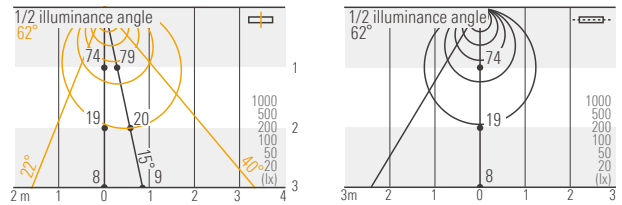
LSXWF-1008-L27-DF-I-4

Light source color	2700K
Brightness	71 cd
Luminous flux	249 lm
Color rendering index	Ra 93
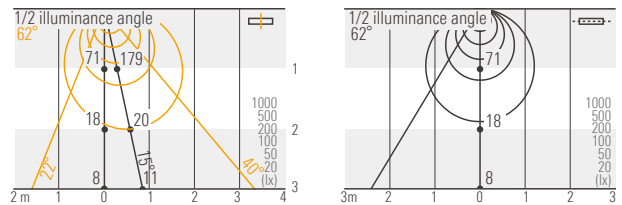
LSXWK-1008-L24-DF-I-4

Light source color	2400K
Brightness	66 cd
Luminous flux	231 lm
Color rendering index	Ra 94
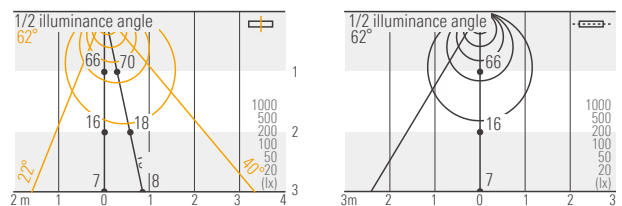
LSXWK-1008-L21-DF-I-4

Light source color	2100K
Brightness	57 cd
Luminous flux	201 lm
Color rendering index	Ra 90
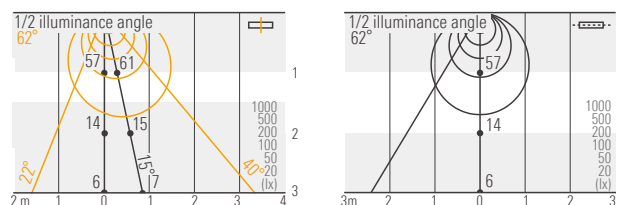
LSXWK

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Recommendend dimensions and illumination distribuitions
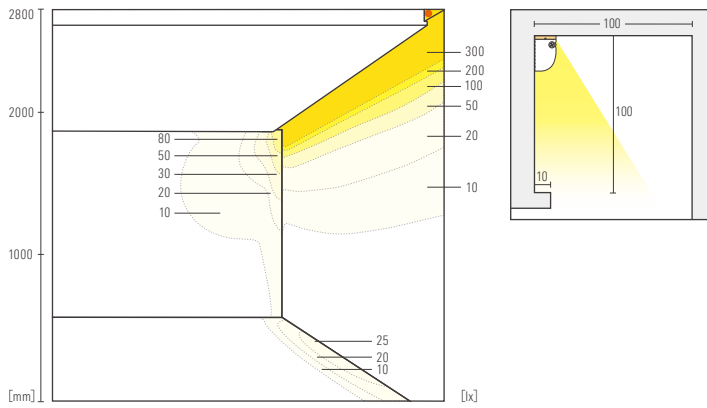
Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800
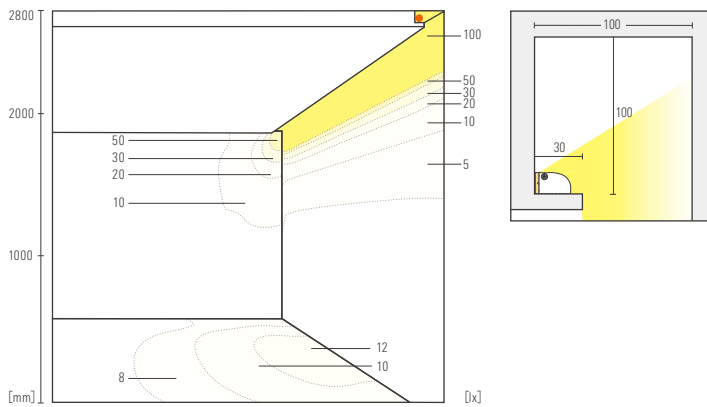
Cove lighting CH=2800
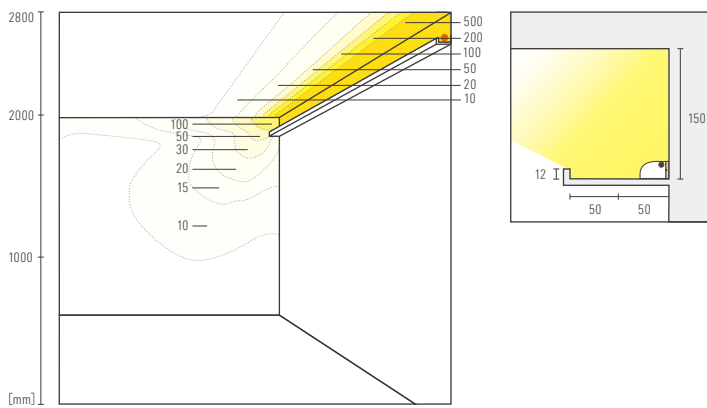
LSM
Luci Slim Light Indoor

ATLAS Bar, Parkview Square
Location: Singapore
Interior Design: Hassell Studio Lighting Design : Klaasen Lighting Design
Photo: E.K.YAP

SIGNIEL

Indoor

Rigid light

LSM

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line
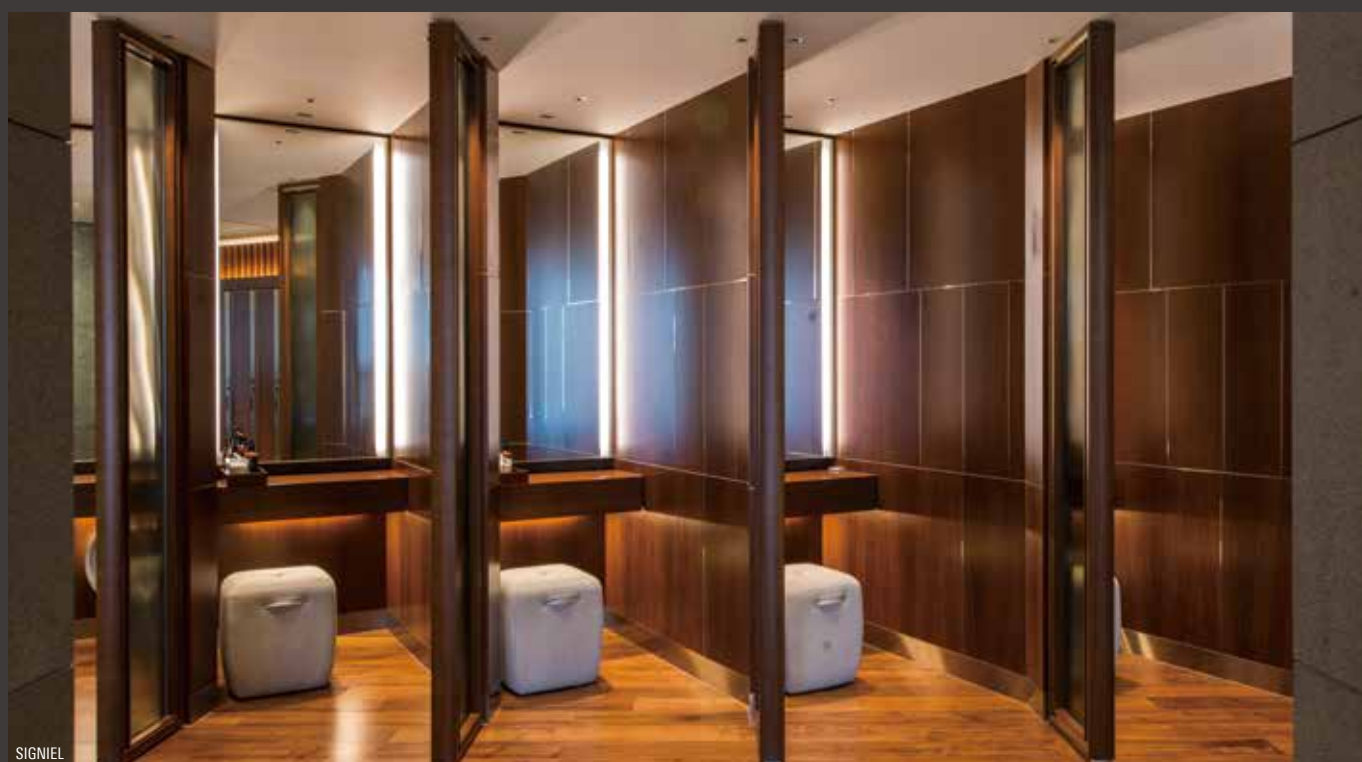
Compact lighting with a lamp fitting diameter of 15.2 mm

-High CRI LEDs reproduce a warm comfortable color tone.
-Absolutely no dark spots when joined.
-Built into a 15.2 mm diameter hard case.
-The lineup includes 10 lengths, 1007 mm to 107 mm.
-5 color variations : White, Warm white 3500K, Warm white 3000K, Warm white 2700K and Warm white 2400K

5 color variations

| 4200K | 3500K | 3000K | 2700K | 2400K |
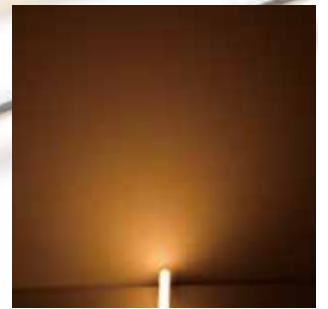
(Regular size) 3 lengths	Model No.
length 1007mm	1000
length 507mm	0500
length 107mm	0100

*Other 7 lenghts are available as special order product size.

Rotating adjustment is available.

18.3
23
17.4

Luci Slim Light

LSM

Color management
ANSI BIN $C\epsilon$
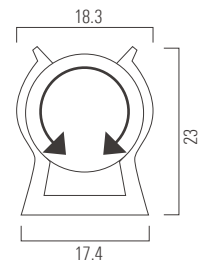
- Homogeneous rigid light with a circular shape
- 3 regular lengths and 7 special order size
- Attached with adjustable clip

Model No.

LSM	-	**□□□□**	-	**□**	-	**DF**	- **I**
Product Name	-	Length	-	Light source color	-	Cover Type	- Environment
LSM		0100 0500 1000		D : Daylight white 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.99

LSM-1000-L27-DF-I
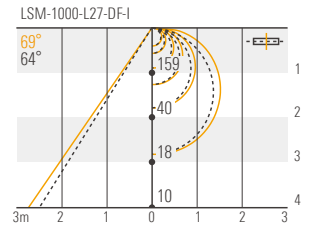
Specification

Length	0100	0500	1000
Model No.	LSM-0100-□-DF-I	LSM-0500-□-DF-I	LSM-1000-□-DF-I
Power consumption	1.5W	7.7W	15.4W
Fitting length(L)	107mm	507mm	1007mm
Weight	20g	80g	160g
Luminaire efficacy(2700K)	46.5 lm/W*	46.5 lm/W	46.5 lm/W

Light source color		○ = Device inventory ✴ = Please contact us since it is made-to-order products and has MOQ.		
D	7100K	—	✴ —	✴ —	✴ —
N	5300K	—	✴ —	✴ —	✴ —
W	4200K Ra 90		○ 67 lm	○ 380 lm	○ 696 lm
WW	3500K Ra 89		○ 60 lm	○ 324 lm	○ 659 lm
L30	3000K Ra 85		○ 65 lm	○ 334 lm	○ 656 lm
L27	2700K Ra 87		○ 57 lm	○ 307 lm	○ 606 lm
L24	2400K Ra 85		○ 49 lm	○ 265 lm	○ 549 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.

Special order product size

Length	0200	0300	0400	0600	0700	0800	0900
Model No.	LSM-0200-✴-DF-I	LSM-0300-✴-DF-I	LSM-0400-✴-DF-I	LSM-0600-✴-DF-I	LSM-0700-✴-DF-I	LSM-0800-✴-DF-I	LSM-0900-✴-DF-I
Power consumption	3.0W	4.3W	5.7W	8.6W	10.0W	12.0W	12.9W
Fitting length(L)	203.2mm	299.5mm	396.1mm	599mm	695.6mm	798.3mm	893.5mm

General Specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	5m
Material (body)	Polycarbonate, Aluminum
Attachments	❶Mounting clip A 4 pcs
Option parts	❶Mounting clip A ❷Mounting clip B ❸Power supply cable
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions
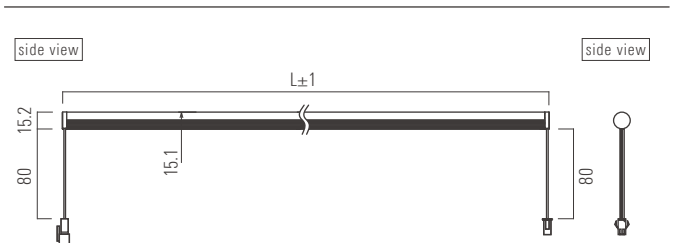
Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
~ 2.2 m	50W power supply
~ 4.5 m	100W power supply
~ 6.8 m*	150W power supply

Indoor

Rigid light

LSM

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Cross sectional view when installing optional items

23 18.3
pan head screw M4 ❶

19.8 17.8
flat head screw M5 ❷

Option parts

❶ Mounting clip A for Slim Light Attachment

Model No : LSM-PTA

Attached with LED fixture
4 pcs / bag

For extra order
4 pcs / bag

top view
10 4.5
7

side view
14.2 23
17.4
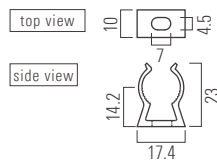
❷ Mounting clip B for Slim Light

Model No : LSM-PTB

1 pc / bag

Recommended number
1 pc for 100 mm
2 pcs for 200 mm to 500 mm
3 pcs for 600 mm and 700 mm
4 pcs for 800 mm to 1000 mm

Lower height than mounting clip A

side view
19.8
14.4

30
5 20 5
φ10.4
19.8
3
φ5.5

top view
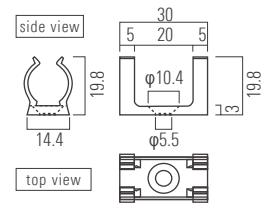
❸ Power supply cable 3M for Slim Light

Model No : CAD-3000-MAFA-I

1 pc per circuit for connecting the LED fixture
to power supply or dimmer driver.
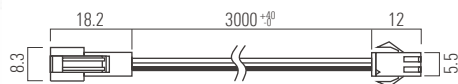
18.2 3000 $^{+40}_{0}$ 12
8.3 5.5

Luci Slim Light

Multiclip K installation: behind fixing

Roating adjustment is available.

18.3
17.4
23

❶ Mounting clip A for Slim Light
(LSM-PTA) Attachment

①

②

Next, insert the light socket

At first, fold in the lead wire
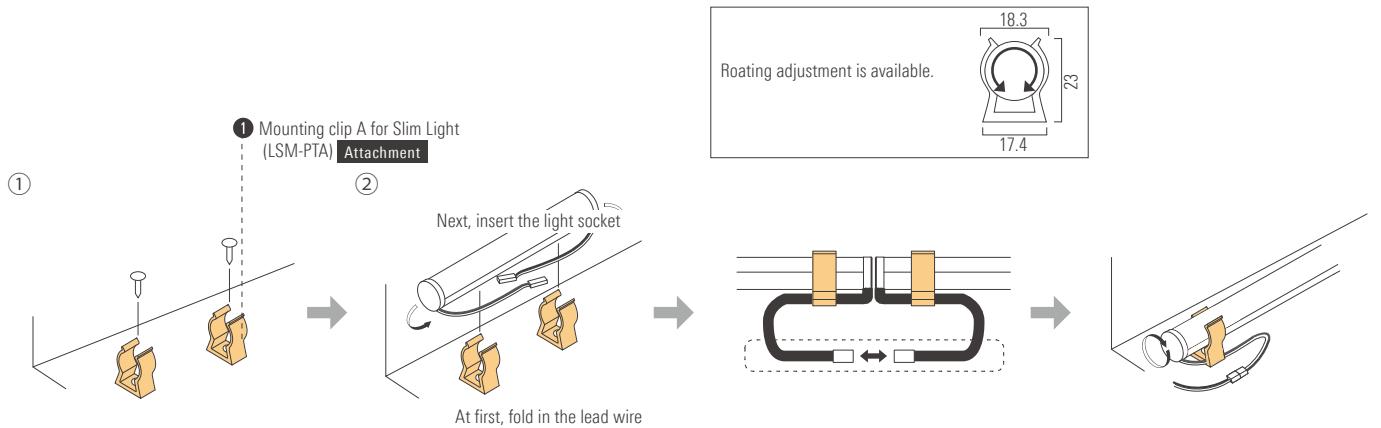
The Mounting clip A should be preset on the installation spot with screws supplied by installer.
(Pan head screws M4 recommended.)

Carefully fold the lead wire at the side of LED fixture and snap into the mounting clip together.

Pass the lead wire through the side and connect it. Bundle up the excess cable.

Turn on the light and adjust the angle.

System configuration diagram
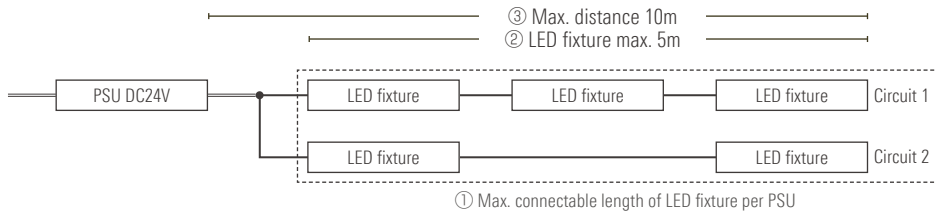
③ Max. distance 10m
② LED fixture max. 5m

| PSU DC24V | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | LED fixture | | LED fixture | Circuit 2 |

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

LSM
Luci Slim Light

Color temparature

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

LSM

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Direct horizontal surface light intensity distribution chart

LSM-1000-W-DF-I

Light source color	4200K
Brightness	195 cd
Luminous flux	696 lm
Color rendering index	Ra 90

66° / 64°
195 / 49 / 22 / 12
1000 500 200 100 50 20
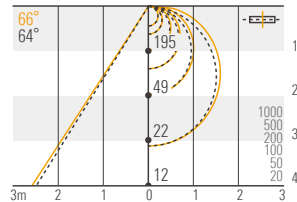
LSM-1000-L30-DF-I

Light source color	3000K
Brightness	172 cd
Luminous flux	656 lm
Color rendering index	Ra 85

69° / 64°
172 / 43 / 19 / 11
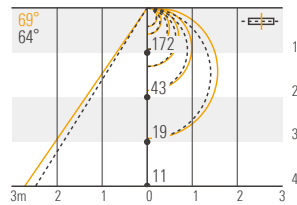
LSM-1000-L27-DF-I

Light source color	2700K
Brightness	159 cd
Luminous flux	606 lm
Color rendering index	Ra 87
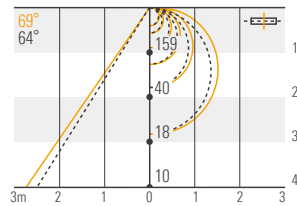
69° / 64°
159 / 40 / 18 / 10

Recommendend dimensions and illumination distribuitions

Cornice lighting-1 CH=2800

80 / 50

Cornice lighting-2 CH=2800

80 / 50 / 25

Cove lighting CH=2800

300 / 30 / 20 / 80
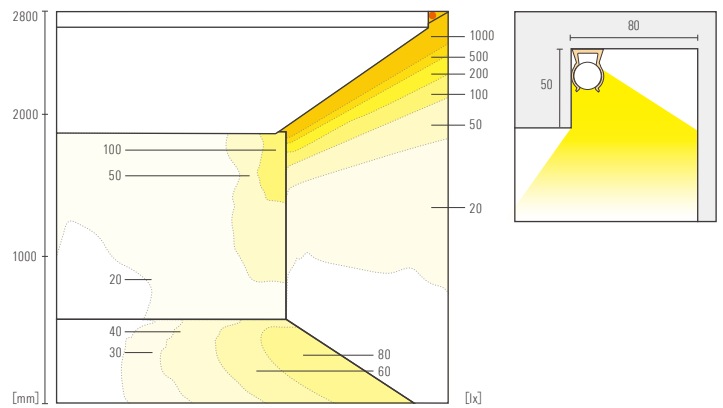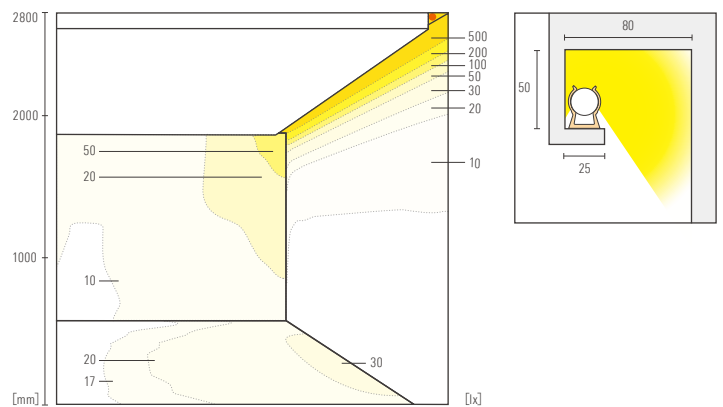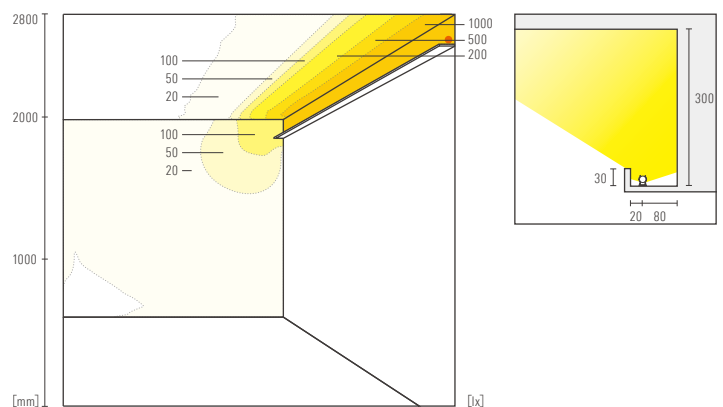
LNL
Luci nano line Indoor

Compact design lighting with a 5.5mm light-emitting surface.

Dotless and three-sided light emission from the front side and the side surfaces
expands design possibilities in terms of exhibiting the light source.
The smart form allows a unique line lighting to materialize for fixtures, handrails, backs of mirrors, etc.

Ibaraki Western Medical Center
Location: Japan
Architect office: YAMASHITAĐNEMOTOHIDE SEKKEI JV
Lighting Design: YAMASHITA SEKKEI INC.
Construction: MAEDA CORPORATION
Photo: Ca'd'Oro/SASAKI TOSHINORI

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

5.5mm

10 lengths

	length 984mm
	length 886mm
	length 789mm
	length 692mm
	length 595mm
	length 498mm
	length 400mm
	length 303mm
	length 206mm
	length 109mm

6 color variations

5300K	4200K	3500K	3000K	2700K	2400K
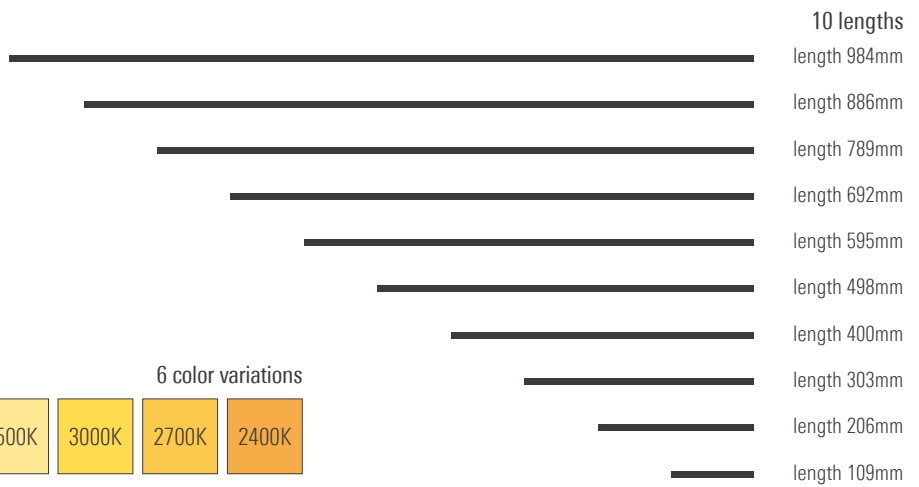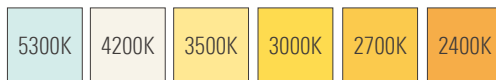
How to use Luci nano line

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   200   30   200

POINT Small indirect lighting source where reflecting surface is dot-less!

Conventional product   Luci nano line

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

Indoor

Rigid light

LNL

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Luci nano line

LNL

- 5.5mm width homogeneous rigid light with ten 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.107

LNL-0984-L27-DF-I

1/2 illuminance angle
68°
64°

74
52
39

15

0.3
0.4
0.5

200
100
50
20
10
(lx) 1

1m   0.5 0.3   0   0.3 0.5   1
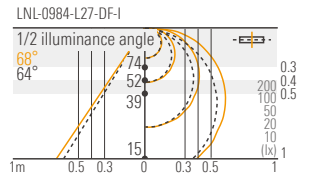
Specification

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

			0109	0206	0303	0400	0498	0595	0692	0789	0886	0984
D	7100K		-	-	-	-	-	-	-	-	-	-
N	5300K	–	◯ –	◯ –	◯ –	◯ –	◯ –	◯ –	◯ –	◯ –	◯ –	◯ –
W	4200K	Ra 92	◯ 7 lm*	◯ 13 lm*	◯ 20 lm*	◯ 26 lm*	◯ 33 lm*	◯ 40 lm*	◯ 46 lm*	◯ 53 lm*	◯ 59 lm*	◯ 66 lm
WW	3500K	Ra 91	◯ 6 lm*	◯ 12 lm*	◯ 17 lm*	◯ 23 lm*	◯ 29 lm*	◯ 35 lm*	◯ 41 lm*	◯ 46 lm*	◯ 52 lm*	◯ 58 lm
L30	3000K	Ra 87	◯ 7 lm*	◯ 13 lm*	◯ 20 lm*	◯ 26 lm*	◯ 33 lm*	◯ 39 lm*	◯ 46 lm*	◯ 52 lm*	◯ 59 lm*	◯ 65 lm
L27	2700K	Ra 87	◯ 6 lm*	◯ 12 lm*	◯ 18 lm*	◯ 24 lm*	◯ 30 lm*	◯ 35 lm*	◯ 41 lm*	◯ 47 lm*	◯ 53 lm*	◯ 59 lm
L24	2400K	Ra 85	◯ 5 lm*	◯ 10 lm*	◯ 16 lm*	◯ 21 lm*	◯ 26 lm*	◯ 31 lm*	◯ 36lm*	◯ 42 lm*	◯ 47 lm*	◯ 52 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 voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	5m
Material (body)	Polycarbonate, Aluminum
Attachments	❶Mounting clip 2 pcs for the body installation 2 pcs for the end part installation
Option parts	❶Mounting clip ❷Magnet
Certification	CE
Dimmable	◯
Power Supplies	Required

External dimentions

side view

190   L±2   190

side view

18.8

5.5

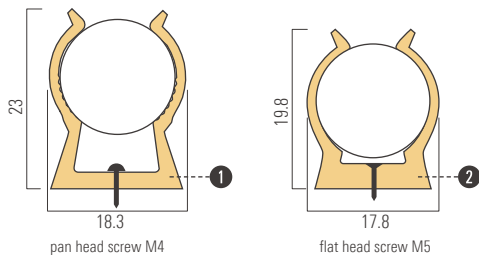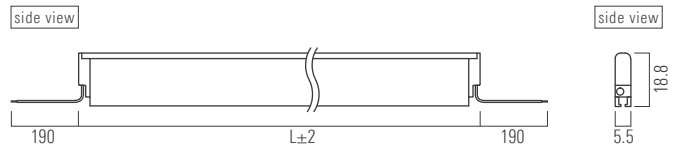## Max. connectable length per power supply

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

Luci nano line

Indoor

Rigid light

LNL

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Cross sectional view when installing optional items

22.8

21.8

❶

❷

pan head screw
M2.6

5.5

5.5
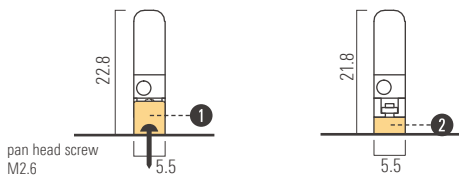
Option parts

❶ 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
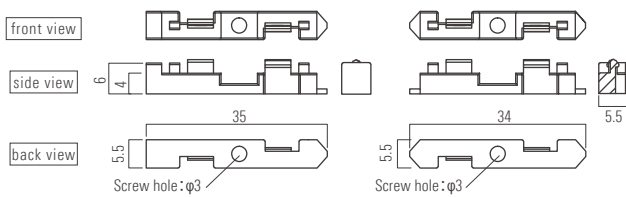
❷ Magnet for nano line

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.
Not available for Air Freight shipping.

The end part installation

The body installation

front view

side view

6

4

5.5

back view

35

34

5.5

5.5

Screw hole : φ3

Screw hole : φ3

5.5

15

Mounting screws included
Screw hole : φ1.9

Luci nano line

For horizontal installation

For the end part installation

For the body installation

For the body installation

❶ Mounting clip A for nano line (LNL-PTA) Attachment
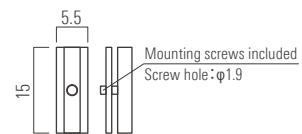
For the end part installation
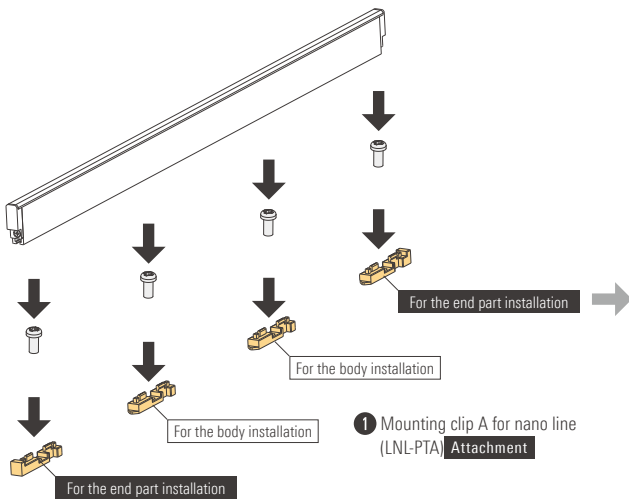
⚠ Cautions

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.

For the end part installation

For the body installation

For the body installation

For the end part installation
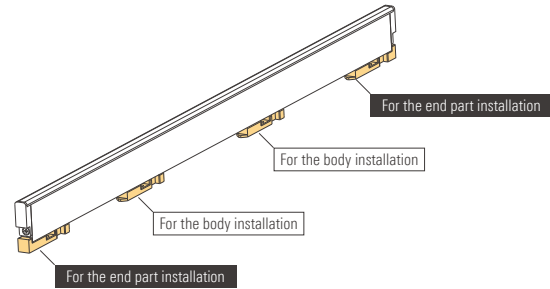
The mounting clip should be preset on the installation spot with screws supplied by installer. (Pan head screws M2.6 recommended)

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.

❶ Mounting clip A for nano line (LNL-PTA) Attachment

Bottom

Top

check

check

check
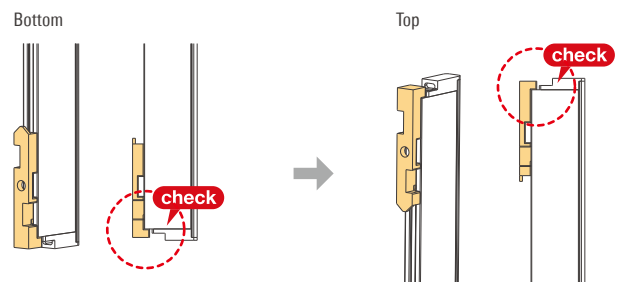
Magnet installation

❷ Magnet for nano line (LNL-MG)
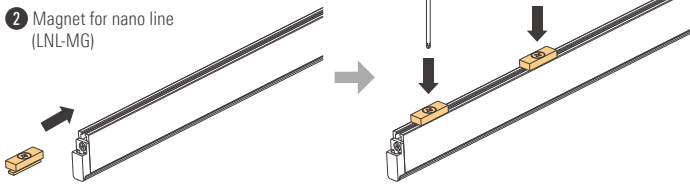
Loosen the screw of the magnet and slide it into the groove at the back of LED fixture.

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.

L109〜303   L1
L2   L2

L400〜595   L1
L2   L3   L3   L2

L692〜984   L1
L2   L3   L3   L3   L2
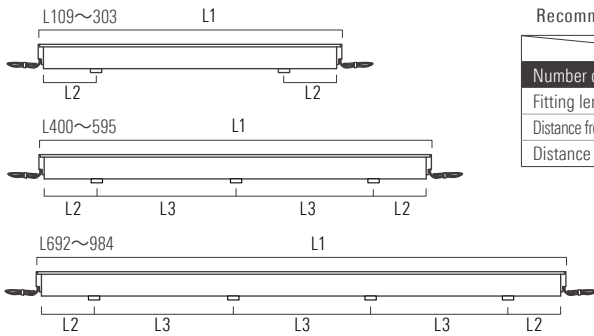
Recommended number of magnets for the installation

	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)

Open space for lead wire

21.8

6

Cross-sectional view B (With light appliance)

Embedded steel plate (prepared by user)

35

21.8

Luci nano line Magnet for attachment

5.5

1/ Image of the cross section

2/ Image of the cross section

Cross-sectional view C

21.8

Connected to 24V dedicated power supply

Luci nano line Magnet for attachment

Connect with a crimp terminal, etc.

Luci nano line Magnet for attachment

Elevation view of opening

C

Open space for lead wire

Embedded steel plate (prepared by user)

A

Open space for lead wire

Embedded steel plate (prepared by user)

Elevation view after installation

6

B

Luci nano line Magnet for attachment

Light appliance connection part

Luci nano line Magnet for attachment

3/ Installation of the light appliance

4/ Opening for lead wire

5/ After installation
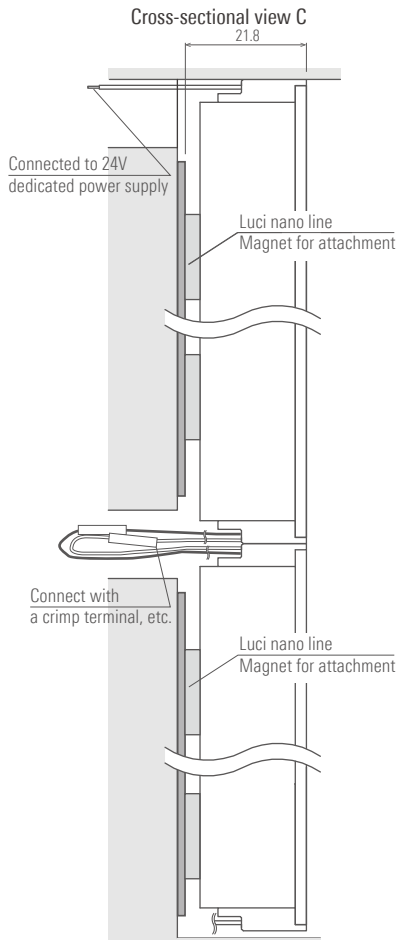
LNL
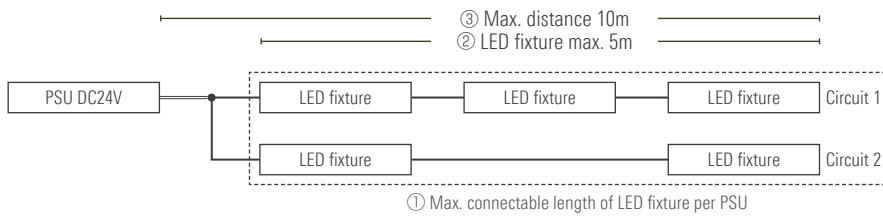
Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

Luci nano line

③ Max. distance 10m
② LED fixture max. 5m

| PSU DC24V | | LED fixture | | LED fixture | | LED fixture | Circuit 1 |
| LED fixture | | | | LED fixture | Circuit 2 |

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

LNL
Luci nano line

Color temparature

4200K 3500K 3000K 2700K 2400K

LNL

Vivoxy Graze

RECTA

THOF®

Creide® F / lens

silux® K

silux wide® K

Slim Light

nano line

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
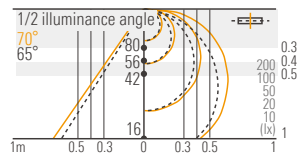
LNL-0984-WW-DF-I

Light source color	3500K
Brightness	15 cd
Luminous flux	58 lm
Color rendering index	Ra 91
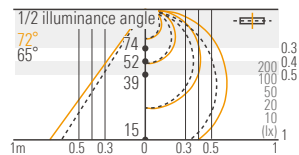
LNL-0984-L30-DF-I

Light source color	3000K
Brightness	16 cd
Luminous flux	65 lm
Color rendering index	Ra 87
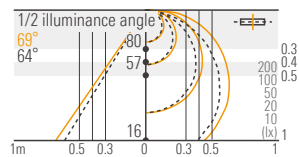
LNL-0984-L27-DF-I

Light source color	2700K
Brightness	15 cd
Luminous flux	59 lm
Color rendering index	Ra 87
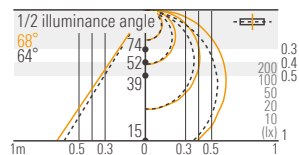
LNL-0984-L24-DF-I

Light source color	2400K
Brightness	13 cd
Luminous flux	52 lm
Color rendering index	Ra 85
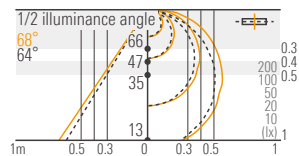
LFPEX / LFPSC / LFP / LFPTH / LFTF /LFPA / LFXF

Luci FLEX series

MARK by The Work Project
Singapore
Design: Hassell
Construction: Ngai Chin Construction Pte Ltd

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

Indoor

Strip Light

FLEX series

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX TH0F

Flat FLEX F

Power FLEX α

FLEX α F

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

Location: China

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

Luci FLEX series

3 years warranty

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

Dynamic White

Dynamic white strip light

- Change atmosphere by tuning the color temperature
- Arrange 2 colors of LED package alternately
- 2 types of color range (1900K to 3000K, 2700K to 5000K)
- Cuttable every 4 LEDs (83.2mm)

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

Indoor

Strip Light

FLEX series

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX THOF

Flat FLEX F

Power FLEX α

FLEX α F

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 Max. length	Diffser Tube	IP65 avaiable
Top bend Luci Power FLEX EX LFPEX P.112	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	○ P.115	5m	N/A	○ P.186
	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.120	LFPSC20	14.2 W/m	965 lm/m	Ra96	125 mm	N/A	N/A	N/A	N/A
Luci Power FLEX LFP P.122	LFP15	15.4 W/m	790 lm/m	Ra 90	30 mm	○ P.125	4.5m	○	○ P.190
	LFP20	10.5 W/m	563 lm/m		40 mm		5m		
Luci Power FLEX THOF LFPTH Dynamic White P.128	LFPTH	11 W/m	281 lm/m	Ra 86	83.2 mm	N/A	N/A	N/A	N/A
Luci Flat FLEX F LFTF P.132	LFTF10	3.9 W/m	282 lm/m	Ra 87	62.4 mm	○ P.135	5m	○	○ P.194
	LFTF16	2.5 W/m	176 lm/m		100 mm			
Side bend Luci Power FLEX α LFPA P.138	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.142	LFXF10	3.9 W/m	252 lm/m	Ra 71	62.4 mm	○ P.145	5m	○	○ P.202

Luci Power FLEX EX

LFPEX

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

Model No.

LFPEX ☐☐ -T1000W- ☐ - CL - I - ☐

Product Name / LED pitch	Length	Light source color	Tube type	Environment	Wattage
LFPEX15 : 15mm pitch	Custom order length P.115	N : Natural white	CL : Clear	I : Indoor	only for LFPEX30
LFPEX20 : 20mm pitch		W : White			9 : 9.5W
LFPEX30 : 30mm pitch		WW : Warm white 3500K			6 : 6.5W
		L30 : Warm white 3000K			4 : 4.5W
		L27 : Warm white 2700K			
		L24 : Warm white 2400K			
		L21 : Warm white 2100K			
		L19 : Warm white 1900K			

Light Intensity   Refer to P.116

LFPEX15-T1000W-L27-CL-I

1/2 illuminance angle 65°

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	❻End cap 2pcs
Option parts	❶❷❸Mounting rail ❹❺Mounting clip ❻End cap ❼Magnet
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

top view   side view

15

190   Fitting length   190   4.5

Cuttable Point   10 mm pitch : 83.2mm
20 mm pitch : 125 mm
30 mm pitch : 166.2 mm

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits					Power supply
		30mm pitch			
15mm pitch	20mm pitch	9.5W	6.5W	4.5W	
～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

Indoor

Strip Light

LFPEX

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX TH0F

Flat FLEX

Power FLEX α

FLEX α

Luci Power FLEX EX

Cross sectional view when installing optional items

Straight installation

10.2
21.2
pan head screw M3
❺
❶

13.2
21.2
❺
❶
❼

Straight installation by 45 degree rail

25.1
24.5
29.5
pan head screw M3
❺
❷

Straight installation

10.6
18.5
pan head screw M3
❸

13.6
18.5
❸
❼

Curved installation

6
37
pan head screw M3
❹

Option parts

❶ Mounting rail 1000 for Power FLEX

Model No : LFP-RL1000

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

8
18.4
42.5 200 200 85 200 200 42.5
970±2
Screw hole : φ4

❷ 45° Mounting rail 1000 for Power FLEX **New**

Model No : LFP-45RL1000

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

22.8
14.2
26.5
21.9
(18.4)
42.5 200 200 85 200 200 42.5
970±2
Screw hole : φ4

❸ Aluminum mounting rail 1000 for Power FLEX **New**

Model No : LFP-RL1000-AL

10.6
18.5
50 435 435 50
970±2
Screw hole : φ4

❹ Mounting clip for Power FLEX

Model No : LFP-RC

5 pcs / bag

For curved installation

37 10
6
10
Screw hole : φ4.5

❺ Mounting clip for rail Attachments for ❶ & ❷

Model No : LFP-PT

For extra order, 5 pcs / bag

21.2 7.5
9.8
7.5

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

11 5.9
16.6

❼ Magnet set for rail **New**

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.
Not available for Air Freight shipping.

Magnet	Plate	Screw

Magnet
10 3
10
Countersink for M3

Plate
12 1
5.8
M3 tap

Screw
5
M3

Luci Power FLEX EX

Installing the product
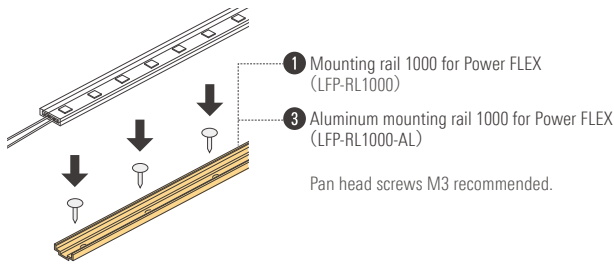
Straight installation

Cove lighting

Cornice lighting

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.

❺ Mounting clip for rail
（LFP-PT）

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

Plate

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

Recommended mounting position
Screw hole : φ4

Magnet

Screw

❼ Magnet set for rail
（MG-R）

42.5 200   200 42.5
970±2

Plate

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

Recommended mounting position
Screw hole : φ4

Magnet

Screw

❼ Magnet set for rail
（MG-R）

50 435   435 50
970±2
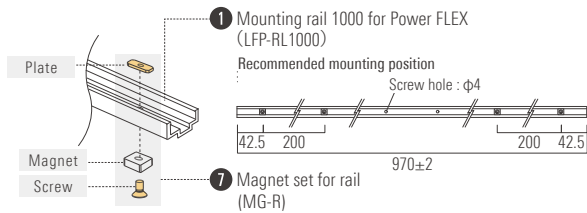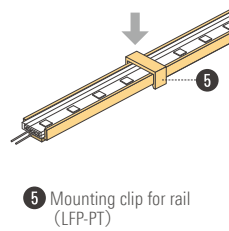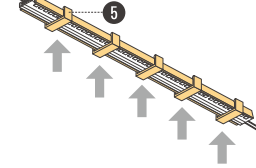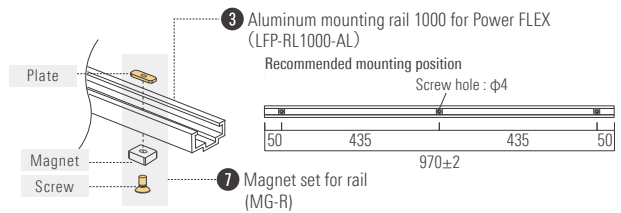
Straight installation by 45 degree rail

Cove lighting
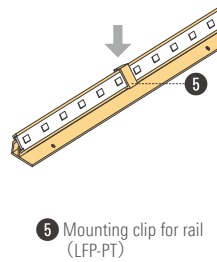
Cornice lighting
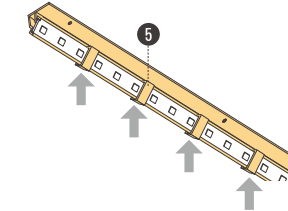
❷ 45° Mounting rail 1000 for Power FLEX **NEW**
（LFP-45RL1000）

Pan head screws M3 recommended.

❺ Mounting clip for rail
（LFP-PT）

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

Curved installation

Minimum bending radius

❹ Mounting clip for Power FLEX
（LFP-RC）

Pan head screws M3 recommended.

R50mm

Cutting of lamp fitting

LED pitch

Cuttable unit : 6 LED

+24V +24V

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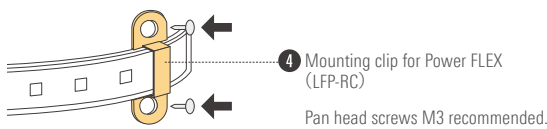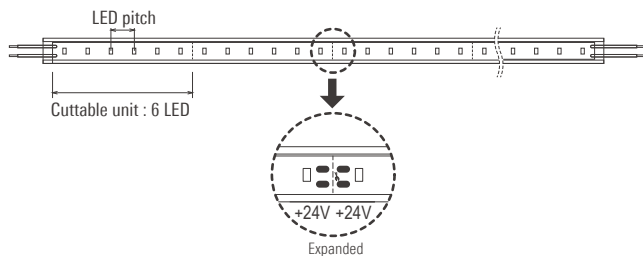
The cuttable unit of Luci Power FLEX EX is 6 LEDs.

Failure will caused by cutting on incorrect position.
End cap is required for sealing the open end of LED fixture after cutting.
Sealing glue should be supplied by installer. Acrylic glue is recommended.

System configuration diagram

③ Max. distance 20m
② LED fixture max. 5m

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |
| LED fixture | | LED fixture | Circuit 2 |

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)

LFPEX

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX TH0F

Flat FLEX

Power FLEX α

FLEX α

Luci Power FLEX EX Indoor -Custom order-

Model No.

LFPEX☐☐- T☐☐☐☐   ☐   -   ☐   -   CL   -   I   - ☐

LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment	Wattage

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
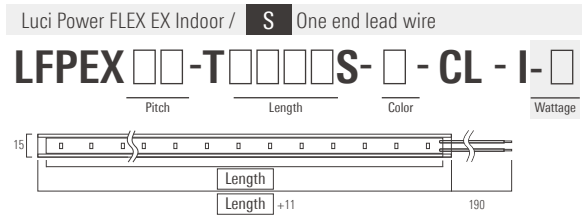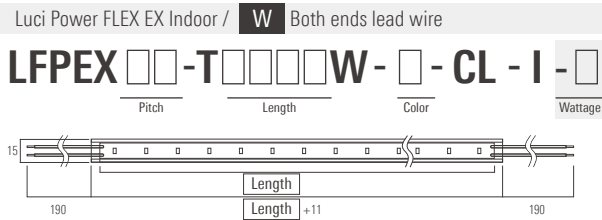
Luci Power FLEX EX Indoor / **W** Both ends lead wire

LFPEX ☐☐ -T☐☐☐☐W - ☐ - CL - I - ☐
Pitch   Length   Color   Wattage

190   Length   Length +11   190

Luci Power FLEX EX Indoor / **S** One end lead wire

LFPEX ☐☐ -T☐☐☐☐S - ☐ - CL - I - ☐
Pitch   Length   Color   Wattage

Length   Length +11   190

- 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

Luci Power FLEX EX

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

1/2 illuminance angle 65° 65°
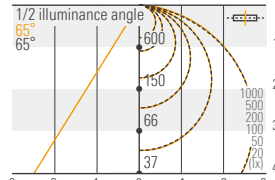
LFPEX15-T1000W-W-CL-I

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

1/2 illuminance angle 65° 65°
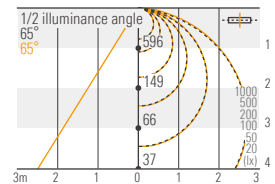
LFPEX15-T1000W-WW-CL-I

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

1/2 illuminance angle 65° 65°
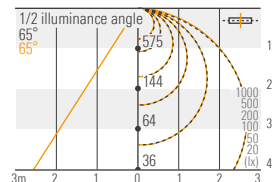
LFPEX15-T1000W-L30-CL-I

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

1/2 illuminance angle 65° 65°
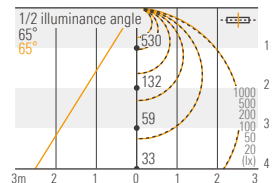
LFPEX15-T1000W-L27-CL-I

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

1/2 illuminance angle 65° 65°
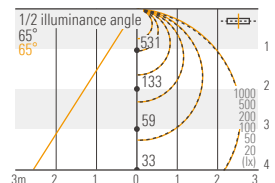
LFPEX15-T1000W-L24-CL-I

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

1/2 illuminance angle 65° 65°
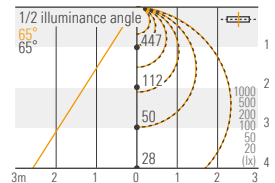
LFPEX15-T1000W-L21-CL-I

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

1/2 illuminance angle 65° 65°
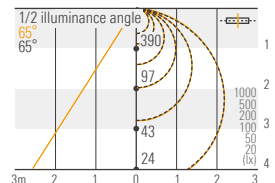
LFPEX15-T1000W-L19-CL-I

Light source color	1900K
Brightness	498 cd
Luminous flux	1405 lm
Color rendering index	Ra 63
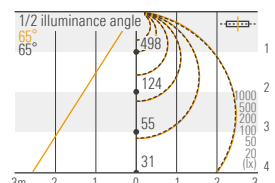
1/2 illuminance angle 65° 65°

Recommendend dimensions and illumination distribuitions

@2700K

Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800

Cove lighting CH=2800

Indoor

Strip Light

LFPEX

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX TH0F

Flat FLEX

Power FLEX α

FLEX α
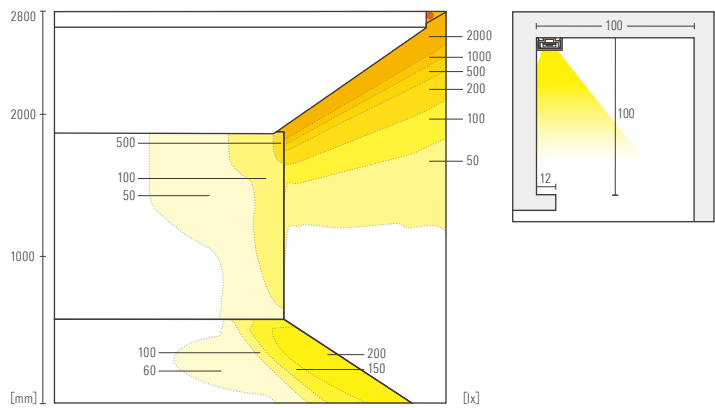
Luci Power FLEX EX

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

1/2 illuminance angle 64°/65°
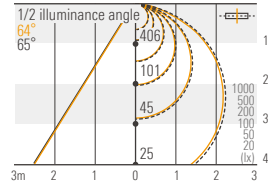
LFPEX20-T1000W-W-CL-I

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

1/2 illuminance angle 64°/65°
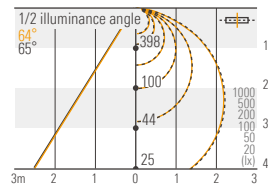
LFPEX20-T1000W-WW-CL-I

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

1/2 illuminance angle 64°/65°
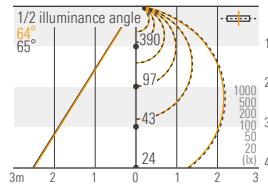
LFPEX20-T1000W-L30-CL-I

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

1/2 illuminance angle 64°/65°
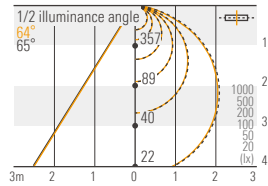
LFPEX20-T1000W-L27-CL-I

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

1/2 illuminance angle 64°/65°
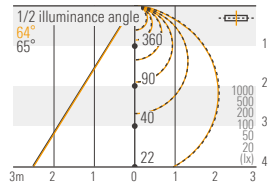
LFPEX20-T1000W-L24-CL-I

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

1/2 illuminance angle 64°/65°
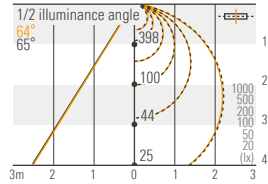
LFPEX20-T1000W-L21-CL-I

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

1/2 illuminance angle 64°/65°
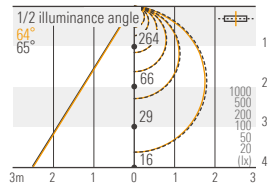
LFPEX20-T1000W-L19-CL-I

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

1/2 illuminance angle 64°/65°

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
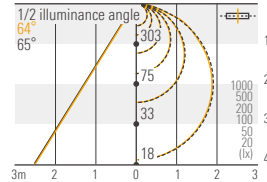
LFPEX30-T1000W-W-CL-I-9
Light source color	4200K
Brightness	290 cd
Luminous flux	812 lm
Color rendering index	Ra 93
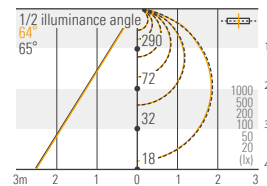
LFPEX30-T1000W-WW-CL-I-9
Light source color	3500K
Brightness	252 cd
Luminous flux	704 lm
Color rendering index	Ra 93
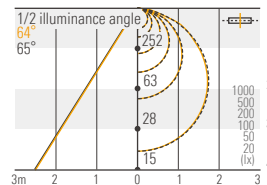
LFPEX30-T1000W-L30-CL-I-9
Light source color	3000K
Brightness	230 cd
Luminous flux	644 lm
Color rendering index	Ra 94
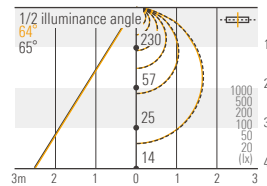
LFPEX30-T1000W-L27-CL-I-9
Light source color	2700K
Brightness	230 cd
Luminous flux	643 lm
Color rendering index	Ra 92
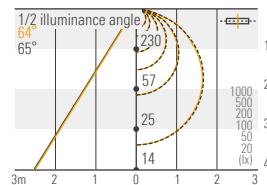
LFPEX30-T1000W-L24-CL-I-9
Light source color	2400K
Brightness	211 cd
Luminous flux	592 lm
Color rendering index	Ra 93
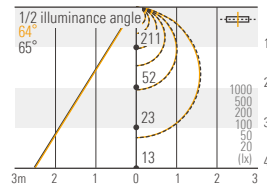
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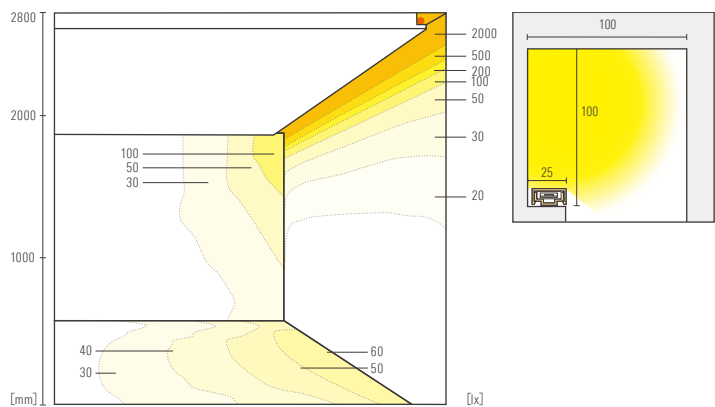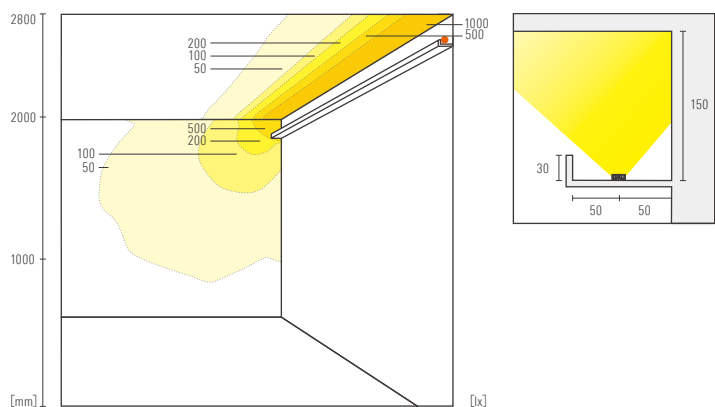|	
Light source color	2100K
Brightness	196 cd
Luminous flux	550 lm
Color rendering index	Ra 96
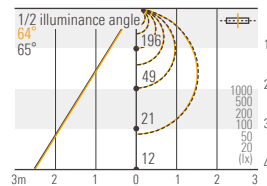
LFPEX30-T1000W-L19-CL-I-9
Light source color	1900K
Brightness	251 cd
Luminous flux	703 lm
Color rendering index	Ra 63
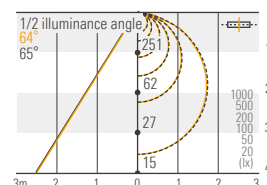
6.5W

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
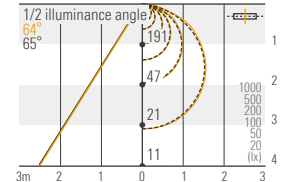
LFPEX30-T1000W-W-CL-I-6
Light source color	4200K
Brightness	183 cd
Luminous flux	514 lm
Color rendering index	Ra 93
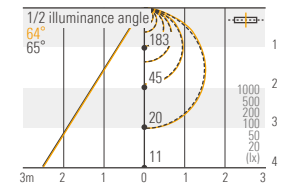
LFPEX30-T1000W-WW-CL-I-6
Light source color	3500K
Brightness	158 cd
Luminous flux	446 lm
Color rendering index	Ra 93
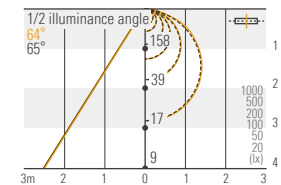
LFPEX30-T1000W-L30-CL-I-6
Light source color	3000K
Brightness	145 cd
Luminous flux	408 lm
Color rendering index	Ra 94
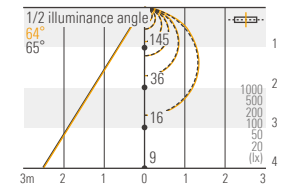
LFPEX30-T1000W-L27-CL-I-6
Light source color	2700K
Brightness	145 cd
Luminous flux	407 lm
Color rendering index	Ra 92
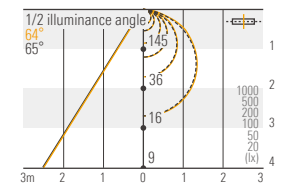
LFPEX30-T1000W-L24-CL-I-6
Light source color	2400K
Brightness	133 cd
Luminous flux	375 lm
Color rendering index	Ra 93
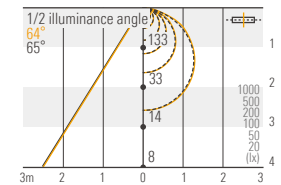
LFPEX30-T1000W-L21-CL-I-6
Light source color	2100K
Brightness	124 cd
Luminous flux	348 lm
Color rendering index	Ra 96
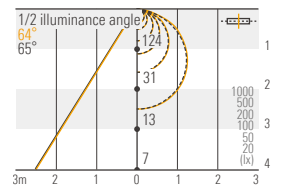
LFPEX30-T1000W-L19-CL-I-6
Light source color	1900K
Brightness	158 cd
Luminous flux	445 lm
Color rendering index	Ra 63
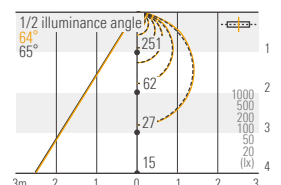
## Illuminance data

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
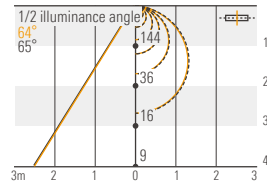
LFPEX30-T1000W-W-CL-I-4
Light source color	4200K
Brightness	138 cd
Luminous flux	388 lm
Color rendering index	Ra 93
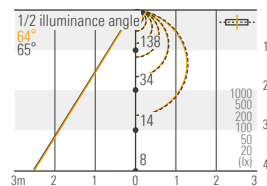
LFPEX30-T1000W-WW-CL-I-4
Light source color	3500K
Brightness	120 cd
Luminous flux	337 lm
Color rendering index	Ra 93
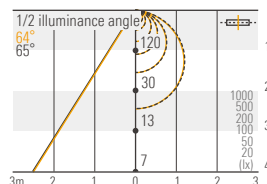
LFPEX30-T1000W-L30-CL-I-4
Light source color	3000K
Brightness	109 cd
Luminous flux	308 lm
Color rendering index	Ra 94
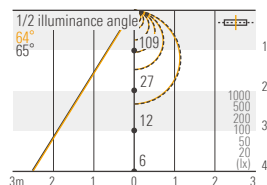
LFPEX30-T1000W-L27-CL-I-4
Light source color	2700K
Brightness	109 cd
Luminous flux	307 lm
Color rendering index	Ra 92
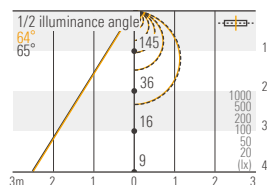
LFPEX30-T1000W-L24-CL-I-4
Light source color	2400K
Brightness	100 cd
Luminous flux	283 lm
Color rendering index	Ra 93
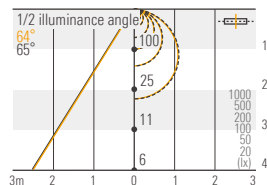
LFPEX30-T1000W-L21-CL-I-4
Light source color	2100K
Brightness	93 cd
Luminous flux	263 lm
Color rendering index	Ra 96
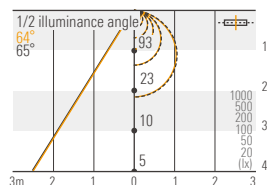
LFPEX30-T1000W-L19-CL-I-4
Light source color	1900K
Brightness	119 cd
Luminous flux	336 lm
Color rendering index	Ra 63

Luci Power FLEX Spect C

LFPSC

Ra96 | **ISO 23603** Color evaluation
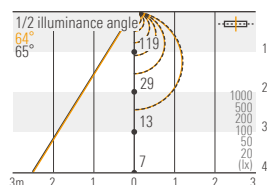
Color management
MacAdam 3 step | CE | **3** years warranty

- High color rendering Ra>96,
- Ideal for inspection lighting, museum, office lighting
- Covered with soft acrylic tube

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

Specification

Product name	Luci Power FLEX spect C
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	＊ 986 lm
N 5000K	＊ 965 lm

Light Intensity

LFPSC20-1000-D-CL-I

1/2 illuminance angle
65°
65°
349
87
39
22

LFPSC20-1000-N-CL-I

1/2 illuminance angle
65°
65°
346
86
38
22

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	❻End cap 2pcs
Option parts	❶❷❸Mounting rail ❹❺Mounting clip ❻End cap ❼Magnet
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

top view | side view

Cuttable Point 20 15.3±2

40 1011 190 4.5 15

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
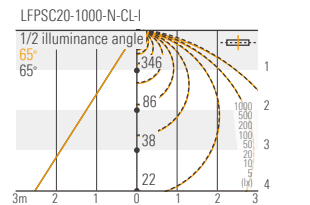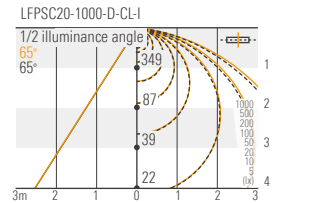
Indoor

Strip Light

LFPSC

Power FLEX EX

Power FLEX Spect C

Power FLEX

Power FLEX TH0F

Flat FLEX F

Power FLEX α

FLEX α F

About Luci Spect C

Luci Power FLEX SpectC, an LED lighting instrument to reproduce natural light color (sunlight), helps to create an environment where there is no gap between interior (interior lighting) and exterior (sun light) conditions. Particularly, it is most suitable for detecting color unevenness in textile, printing and painting, for gemologist's appraisal on pearls or diamonds, and for evaluating cosmetic products requiring a colors evaluation under natural light condition.

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".

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
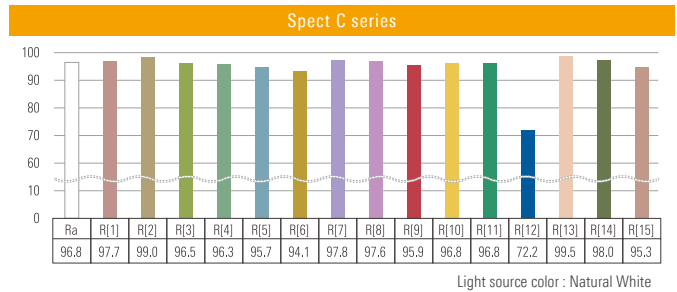
Project reference

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

Differences in vision of colors

Conventional lighting	Luci Spect C
Ra 90	Ra96
Ra 90	Ra96

Illuminance data

LFPSC
Luci Power FLEX Spect C

Color temparature
6500K 5000K

Direct horizontal surface light intensity distribution chart

LFPSC20-1000-D-CL-I

Light source color	6500K
Brightness	349 cd
Luminous flux	986 lm
Color rendering index	Ra 95

1/2 illuminance angle 65°
65°
349
87
39
22
3m 2 1 0 1 2 3
1000 500 200 100 50 20 10 5 (lx)
1 2 3 4
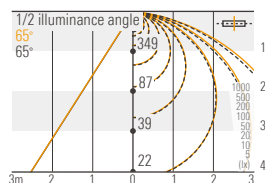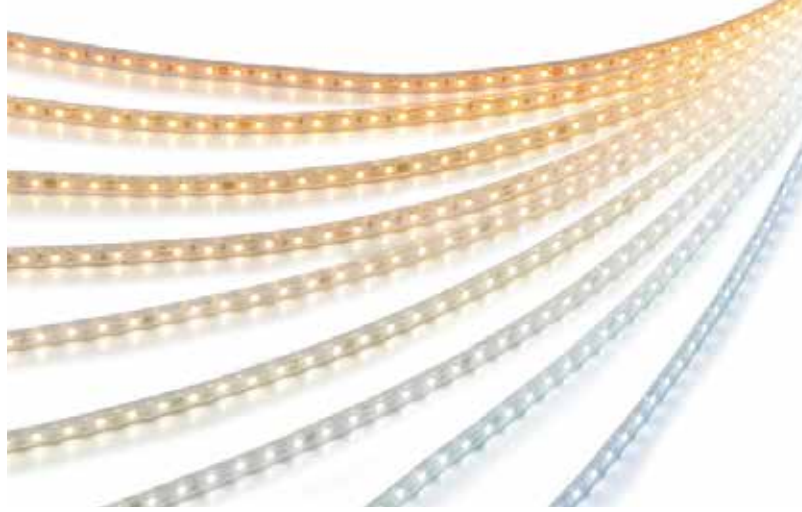
LFPSC20-1000-N-CL-I

Light source color	5000K
Brightness	346 cd
Luminous flux	965 lm
Color rendering index	Ra 96

1/2 illuminance angle 65°
65°
346
86
38
22
3m 2 1 0 1 2 3
1000 500 200 100 50 20 10 5 (lx)
1 2 3 4
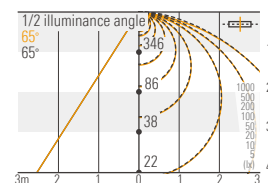
Luci Power FLEX

LFP

Color management		
ANSI BIN	CE	**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	Light source color	Tube type	Environment
LFP15 : 15mm pitch	T0900W	D : Daylight white	CL : Clear	I : Indoor
LFP20 : 20mm pitch	T1000W	N : Natural white	DF : Diffuser	

Luci Power FLEX
Custom order length > P.125

Light source color:
- 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

Light Intensity   Refer to P.126

LFP15-T 0900W-L27-CL-I
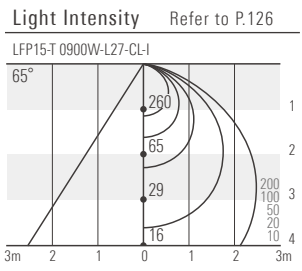
Specification @ Clear cover

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	Ra 90	✳ 875 lm	✳ 698 lm
N	5300K	Ra 90	✳ 875 lm	✳ 639 lm
W	4200K	Ra 90	○ 818 lm	○ 667 lm
WW	3500K	Ra 90	○ 774 lm	○ 639 lm
L30	3000K	Ra 90	○ 710 lm	○ 579 lm
L27	2700K	Ra 90	○ 711 lm	○ 563 lm
L24	2400K	Ra 90	○ 608 lm	○ 459 lm
L19	1900K	Ra 70	✳ –	✳ 512 lm
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	❼End cap 2pcs
Option parts	❶❷❸❹Mounting rail ❺❻Mounting clip ❼End cap ❽Magnet
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

15mm pitch   top view
Cuttable Point   15   13±2
side view
30   911   190   15   4.5

20mm pitch   top view
Cuttable Point   20   15.3±2
side view
40   1011   190   15   4.5

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

Straight installation	Straight installation by 45 degree rail	Straight installation	Curved installation

Straight installation

10.2
21.2
pan head screw M3 ❻ ❶ ❷

13.2
21.2
pan head screw M3 ❻ ❶ ❷ ❽

Straight installation by 45 degree rail

25.1
24.5
29.5
pan head screw M3 ❻ ❸

Straight installation

10.6
18.5
pan head screw M3 ❹

13.6
18.5
❹ ❽

Curved installation

6
37
pan head screw M3 ❹ ❺

Option parts

❶ Mounting rail 1000 for Power FLEX

Model No : LFP-RL1000

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

8
970±2
42.5 200 200 85 200 200 42.5
18.4
Screw hole : φ4

❷ Mounting rail 900 for Power FLEX

Model No : LFP-RL0900

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

8
853±2
42.5 170 170 88 170 170 42.5
18.4
Screw hole : φ4

❸ 45° Mounting rail 1000 for Power FLEX

Model No : LFP-45RL1000

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

22.8
14.2
26.5
5.1 21.9 27
(18.4)
970±2
42.5 200 200 85 200 200 42.5
Screw hole : φ4

❹ Aluminum mounting rail 1000 for Power FLEX

Model No : LFP-RL1000-AL
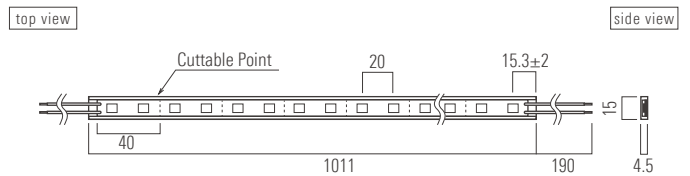
10.6
970±2
50 435 435 50
18.5
Screw hole : φ4

❺ Mounting clip for Power FLEX

Model No : LFP-RC

5 pcs / bag

For curved installation

37 10
6
10
Screw hole : φ4.5

❻ Mounting clip for rail Attachments for ❶ & ❷ & ❸

Model No : LFP-PT

For extra order, 5 pcs / bag

21.2 7.5
9.8
7.5

❼ 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

11 5.9
16.6

❽ Magnet set for rail New

Model No : MG-R

4 pcs / bag

Used for installing LED fixture
with mounting rail ❶ or ❷ or ❸ on metal plate.
Metal plate is required by installer.
Not available for Air Freight shipping.

Magnet
10 3
10
Countersink for M3

Plate
12 1
5.8
M3 tap

Screw
5
M3

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX THOF

Flat FLEX F

Power FLEX α

FLEX α F

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

Plate

Magnet

Screw

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

Recommended mounting position
Screw hole : φ4

42.5 | 200 | 200 | 42.5
970±2

8 Magnet set for rail
(MG-R)

Aluminum mounting rail 1000 for Power FLEX

Plate

Magnet

Screw

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

Recommended mounting position
Screw hole : φ4

50 | 435 | 435 | 50
970±2

8 Magnet set for rail
(MG-R)

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

R50mm

Cutting of lamp fitting

LED pitch

Cuttable unit : 2 LED

+24V +24V

Expanded

The cuttable unit of Luci Power FLEX is 2 LEDs.

Failure will caused by cutting on incorrect position.
End cap is required for sealing the open end of LED fixture after cutting.
Sealing glue should be supplied by installer.Acrylic glue is recommended.

System configuration diagram

③ Max. distance 20m
② LED fixture max. 4.5m(LFP15), 5m(LFP20)

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |
| LED fixture | | LED fixture | Circuit 2 |

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)

Luci Power FLEX

Indoor

Strip Light

LFP

Power FLEX EX

Power FLEX SpecIC

Power FLEX

Power FLEX TH0F

Flat FLEX F

Power FLEX α

FLEX α F

Luci Power FLEX Indoor -Custom order-

Model No.

LFP□□ - T□□□□ □ - □ - □ - I

LED Pitch	Length	Lead Wire	Light source color		Tube type	Environment

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
- **I** Indoor

External dimension

Luci Power FLEX Indoor / W Both ends lead wire
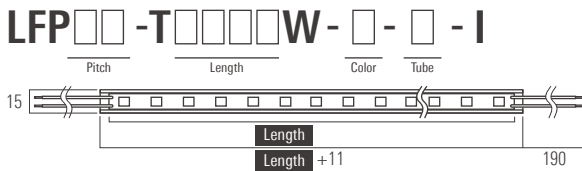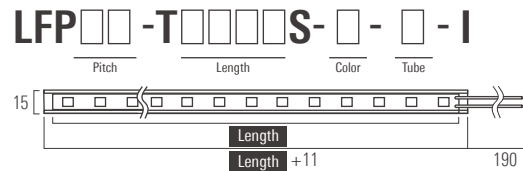
LFP□□ -T□□□□W- □- □ - I
Pitch / Length / Color / Tube

15
Length
Length +11   190

Luci Power FLEX Indoor / S One end lead wire

LFP□□ -T□□□□S- □- □ - I
Pitch / Length / Color / Tube

15
Length
Length +11   190

- 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 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

Luci Power FLEX

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
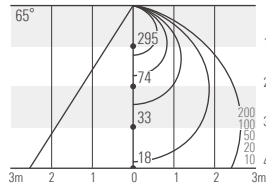
LFP15-T0900W-WW-CL-I

Light source color	3500K
Brightness	280 cd
Luminous flux	774 lm
Color rendering index	Ra 90
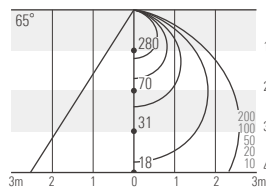
LFP15-T0900W-L30-CL-I

Light source color	3000K
Brightness	260 cd
Luminous flux	710 lm
Color rendering index	Ra 90
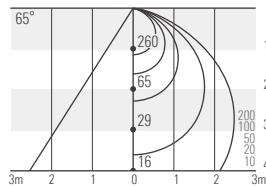
LFP15-T0900W-L27-CL-I

Light source color	2700K
Brightness	260 cd
Luminous flux	711 lm
Color rendering index	Ra 90
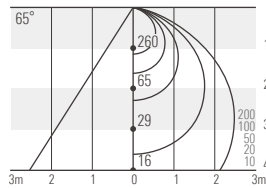
LFP15-T0900W-L24-CL-I

Light source color	2400K
Brightness	218 cd
Luminous flux	608 lm
Color rendering index	Ra 90
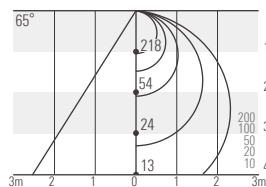
Recommendend dimensions and illumination distribuitions   @2700K

Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800

Cove lighting CH=2800

Luci Power FLEX

Indoor

Strip Light

LFP

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX TН0F

Flat FLEX F

Power FLEX α

FLEX α F
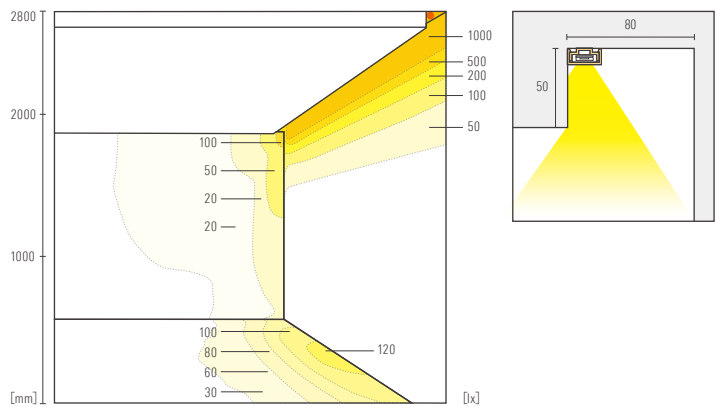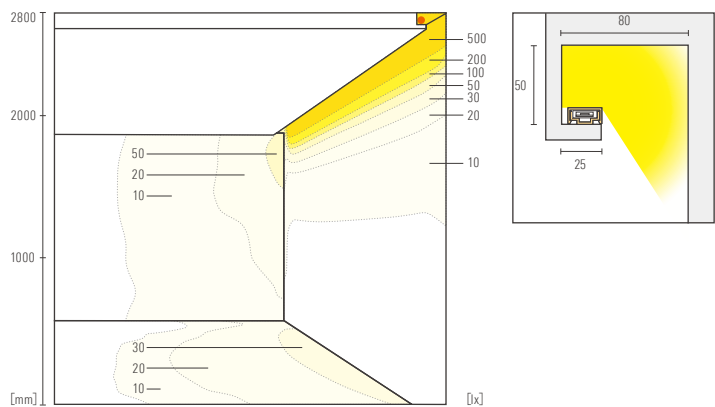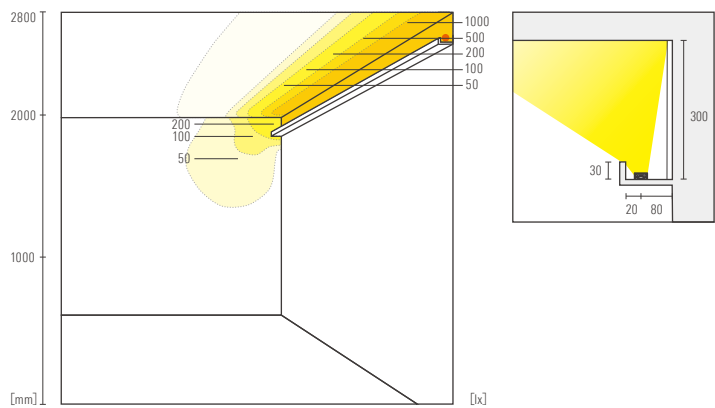
Illuminance data

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

1/2 illuminance angle 65°
238
60
26
15
200
100
50
20
10
(lx)
3m　2　1　0　1　2　3m
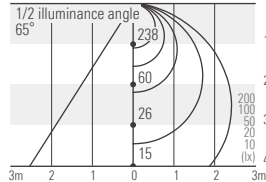
LFP20-T1000W-WW-CL-I

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

1/2 illuminance angle 65°
228
57
25
14
200
100
50
20
10
(lx)
3m　2　1　0　1　2　3m
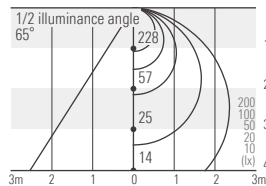
LFP20-T1000W-L30-CL-I

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

1/2 illuminance angle 65°
207
52
23
13
200
100
50
20
10
(lx)
3m　2　1　0　1　2　3m
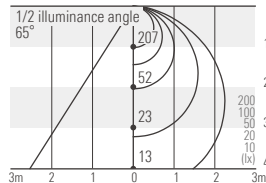
LFP20-T1000W-L27-CL-I

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

1/2 illuminance angle 65°
201
50
22
13
200
100
50
20
10
(lx)
3m　2　1　0　1　2　3m
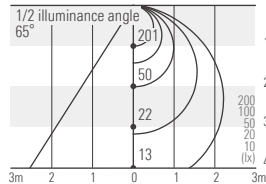
LFP20-T1000W-L24-CL-I

Light source color	2400K
Brightness	164 cd
Luminous flux	459 lm
Color rendering index	Ra 90
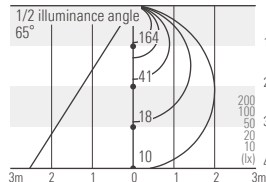
1/2 illuminance angle 65°
164
41
18
10
200
100
50
20
10
(lx)
3m　2　1　0　1　2　3m

Recommendend dimensions and illumination distribuitions　　@2700K
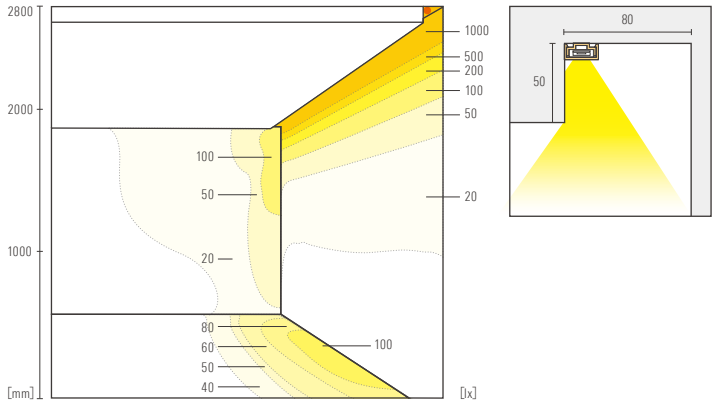
Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800
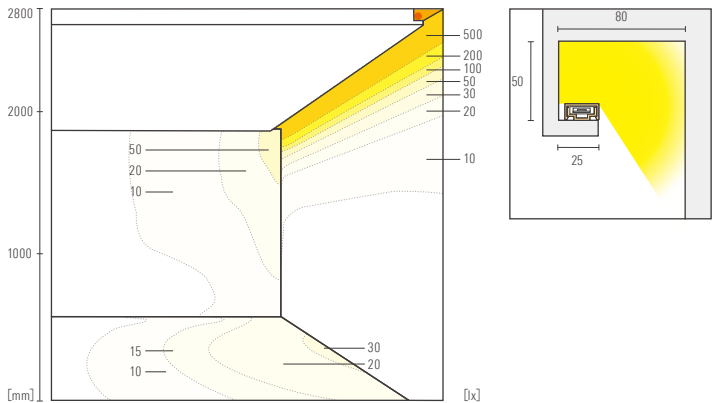
Cove lighting CH=2800
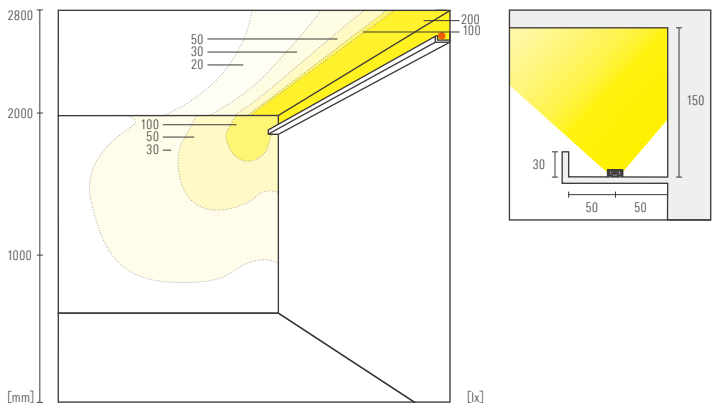
LFPTH

CE

3 years warranty

- Dynamic white by 2ch control signals
- Arranging 2 colors of LED package alternately
- 2 types of color range (1900K to 3000K, 2700K to 5000K)

Model No.

LFPTH20 - 1000 - □ - CL - I

Product Name / LED pitch	–	Length	–	Light source color	–	Tube type	–	Environment
LFPTH20 : 20mm pitch		1000		NL27 : 5000K~2700K L30L19 : 3000K~1900K		CL : Clear		I : Indoor

Light Intensity   Refer to P.130

LFPTH20-1000-NL27-CL-I

1/2 illuminance angle
65°
237
59
26
15
3m 2 1 0 1 2 3
200 100 50 20 10 (lx)
1 2 3 4
Light source color
3500K equivalent N:100%, L27:100%

LFPTH20-1000-L30L19-CL-I

1/2 illuminance angle
65°
206
52
23
13
3m 2 1 0 1 2 3
200 100 50 20 10 (lx)
1 2 3 4
Light source color
2400K equivalent L30:100%, L19:100%

Specification

LED pitch	20mm pitch
Model No.	LFPTH20-1000-□-CL-I
Power consumption	11W/m (Max)
Fitting length(L)	1011mm
Weight	55g
Cuttable unit	83.2mm (4 LED)
Luminaire efficacy (L30 100%, L19 100%)	32.5 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	5000K~2700K	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	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.
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
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachment	❼End cap 2pcs
Option parts	❶❷❸❹Mounting rail ❺❻Mounting clip ❼End cap ❽Magnet
Certification	CE
Dimmable	◯
Power Supplies	Required

External dimentions

top view   side view

Cuttable Point   20.8
83.2   1011   190   4.5
15

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
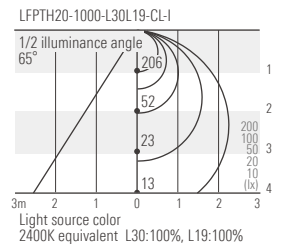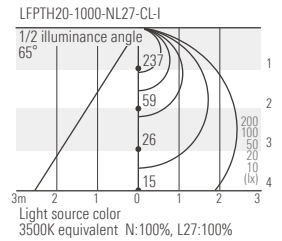
Luci Power FLEX THOF®

Indoor

Strip Light

LFPTH

Power FLEX EX

Power FLEX Spect C

Power FLEX

Power FLEX THOF

Flat FLEX F

Power FLEX α

FLEX α F

System configuration diagram

■ Max. connectable length depends on the wattage of the 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.

■ Twist shield cable is recommended to use as a signal cable.
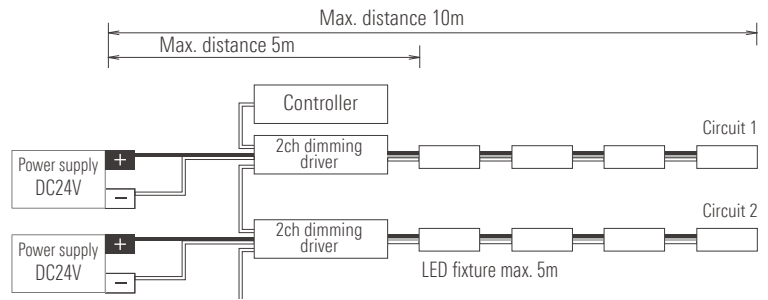
* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver.
  The specification may be subject to change without prior notice.

| For DC24V 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℃

Cutting of lamp fitting
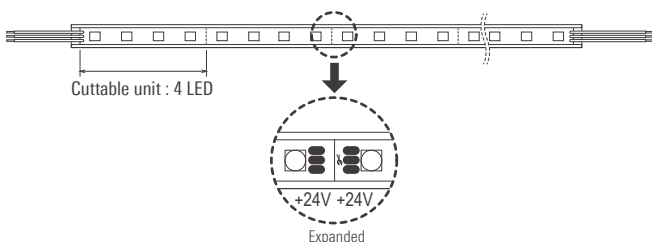
Cuttable unit : 4 LED

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

Failure will caused by cutting on incorrect position.
End cap is required for sealing the open end of LED fixture after cutting.
Sealing glue should be supplied by installer.Acrylic glue is recommended.

Luci Power FLEX THOF®

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

1/2 illuminance angle 65°
128
32
14
8
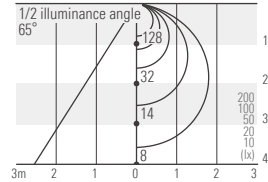
LFPTH20-1000-NL27-CL-I

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

1/2 illuminance angle 65°
237
59
26
15
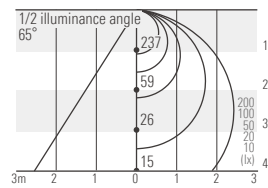
LFPTH20-1000-NL27-CL-I

Light source color	2700K
	N:0%, L27:100%
Brightness	119 cd
Luminous flux	326 lm
Color rendering index	Ra 86
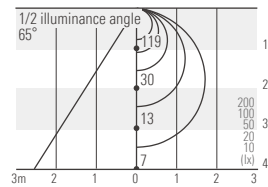
1/2 illuminance angle 65°
119
30
13
7

Recommendend dimensions and illumination distribuitions@2700K

Cornice lighting-1 CH=2800
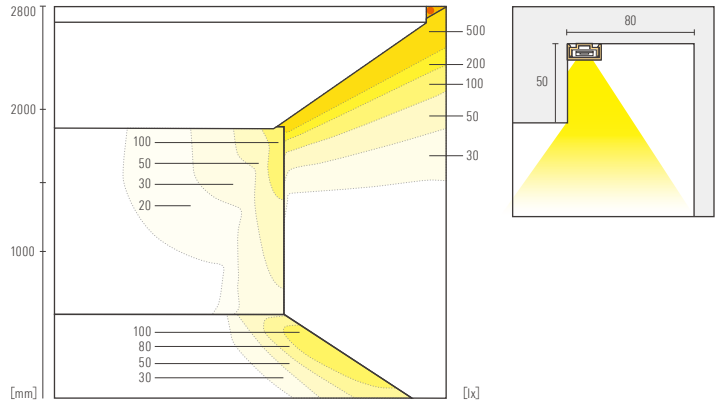
Cornice lighting-2 CH=2800
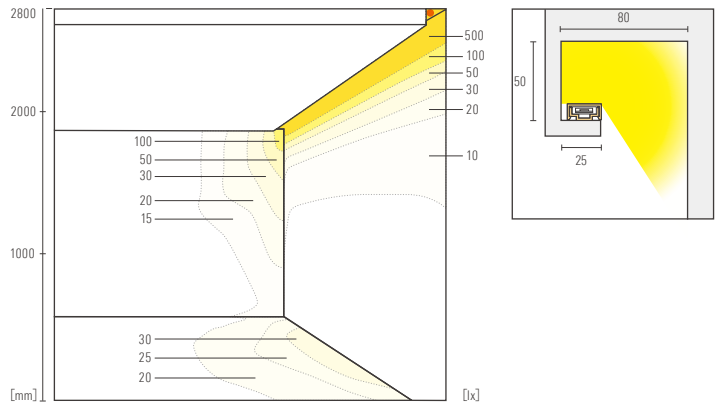
Cove lighting CH=2800
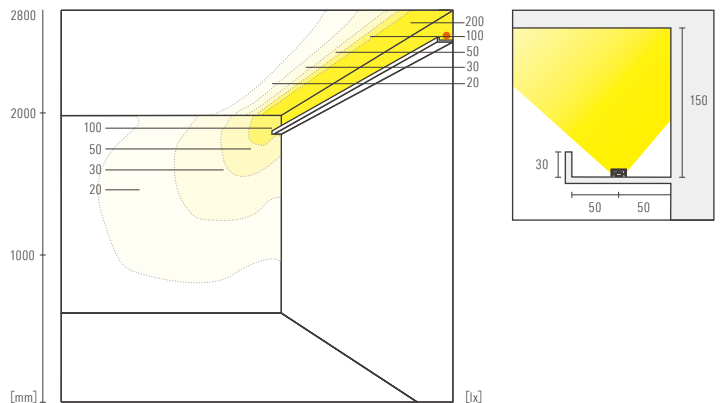
Illuminance data

LFPTH20
Luci Power FLEX THOF®

Color temparature

3000K-1900K

Strip Light

LFPTH

Power FLEX EX

Power FLEX Spect C

Power FLEX

Power FLEX THOF

Flat FLEX F

Power FLEX α

FLEX α F

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
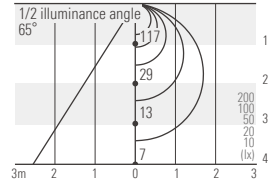
LFPTH20-1000-L30L19-CL-I

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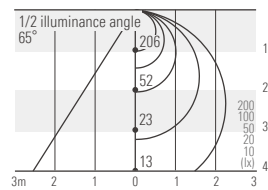
LFPTH20-1000-L30L19-CL-I

Light source color	1900K
	L30:0%, L19:100%
Brightness	96 cd
Luminous flux	262 lm
Color rendering index	Ra 65
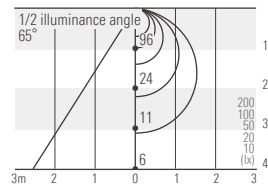
Luci Flat FLEX F

LFTF

Color management		
ANSI BIN	CE	**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☐☐ -T1000W- ☐ - ☐ - I

Product Name / LED pitch	Length	Light source color	Tube type	Environment
LFTF10 : 10mm pitch LFTF16 : 16mm pitch	Custom order length P.135	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.136

LFTF10-T1000W-L27-CL-I

1/2 illuminance angle 65°

LFTF16-T1000W-L27-CL-I

1/2 illuminance angle 67°
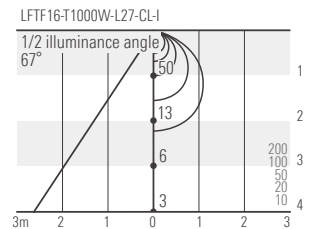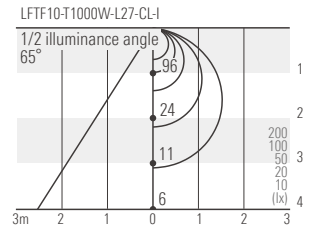
Specification @ Clear cover

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	＊	- lm
N	5300K	Ra 94	○	329 lm*	○	- lm
W	4200K	Ra 90	○	294 lm	○	- lm
WW	3500K	Ra 90	○	305 lm	○	- 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	❹End cap 2pcs
Option parts	❶Mounting rail ❷❸Mounting clip ❹End cap ❺Magnet
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions
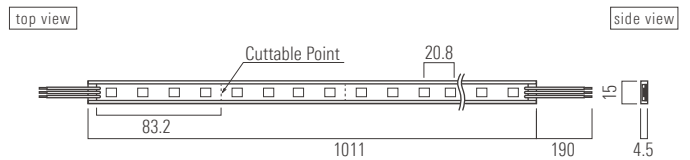
10mm pitch   top view

side view

16mm pitch   top view

side view

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

Indoor

Strip Light

LFTF

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX TH0F

Flat FLEX F

Power FLEX α

FLEX α F

Cross sectional view when installing optional items

Straight installation

❸

9.8

❶

16.4

pan head screw M3

Straight installation

❸

12.8

❶

❺

16.4

pan head screw M3

Curved installation

❷

6

29

pan head screw M3

Option parts

❶ Mounting rail 1000 for Flat FLEX

Model No : LFT-RL1000

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

7.5±0.2　　　　970±2

13.4

42.5　200　200　85　200　200　42.5

Screw hole : φ3.5

❷ Mounting clip for Flat FLEX

Model No : LFT-RC

10 pcs / bag

For curved installation

Screw hole : φ4.5　10

9.5

9.5

29

6　　1.5

❸ Mounting clip for rail　Attachment for ❶

Model No : LFT-PT

For extra order, 5 pcs / bag

16.4　7.5

9.3

7.5

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

Adhesive for
sealing poured
into the body

6.2

6　　6.2

12　　12.3

10.9

❺ Magnet set for rail　New

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.
Not available for Air Freight shipping.

Magnet

10　3

10

Countersink for M3

Plate

12　1

5.8

M3 tap

Screw

5

M3

Luci Flat FLEX F

Installing the product

Straight installation

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

Pan head screws M3 recommended.

Magnet Installation

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

Plate
Magnet
Screw

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

Recommended mounting position
Screw hole : φ4

42.5 200   200 42.5
970±2

❺ Magnet set for rail
（MG-R）

Curved installation

❷ Mounting clip for Flat FLEX
（LFT-RC）
Pan head screws M3 recommended.

Minimum bending radius

R50mm

Cutting of lamp fitting

LED pitch

Cuttable unit : 6 LED

+24V +24V
Expanded

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

Failure will caused by cutting on incorrect position.
End cap is required for sealing the open end of LED fixture after cutting.
Sealing glue should be supplied by installer.Acrylic glue is recommended.

System configuration diagram

③ Max. distance 20m
② LED fixture max. 5m

| PSU DC24V | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | LED fixture | | LED fixture | Circuit 2 |

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)

Luci Flat FLEX F

Indoor

Strip Light

LFTF

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX THOF

Flat FLEX F

Power FLEX α

FLEX α F

Luci Flat FLEX F Indoor -Custom order-

Model No.

LFTF☐☐ - T☐☐☐☐ ☐ - ☐ - ☐ - I

LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment

LED Pitch

| 10 | 10mm Pitch |
| 16 | 16mm 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

Tube type

| CL | Clear |
| DF | Diffuser |

Environment

| I | Indoor |

External dimension

Luci Flat FLEX Indoor / **W** Both ends lead wire
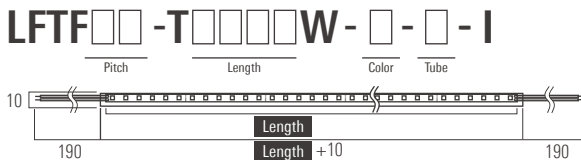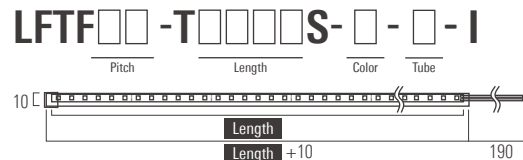
LFTF☐☐ -T☐☐☐☐W- ☐ - ☐ - I
Pitch   Length   Color Tube

10

190   Length   Length +10   190

Luci Flat FLEX Indoor / **S** One end lead wire

LFTF☐☐ -T☐☐☐☐S- ☐ - ☐ - I
Pitch   Length   Color Tube

10

Length   Length +10   190

- 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 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

Luci Flat FLEX F

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

1/2 illuminance angle 66°
121 / 30 / 13 / 8
100 50 20 10 (lx)
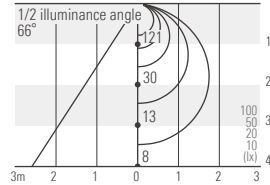
LFTF10-T1000W-N-CL-I

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

1/2 illuminance angle 66°
123 / 31 / 14 / 8
100 50 20 10 (lx)
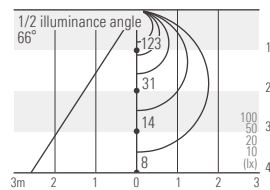
LFTF10-T1000W-W-CL-I

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

1/2 illuminance angle 65°
97 / 24 / 10 / 6
100 50 20 10 (lx)
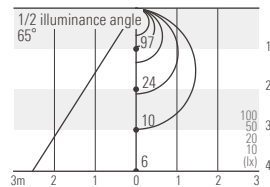
LFTF10-T1000W-WW-CL-I

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

1/2 illuminance angle 65°
100 / 25 / 11 / 6
200 100 50 20 10 (lx)
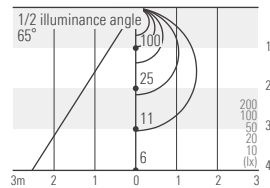
LFTF10-T1000W-L30-CL-I

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

1/2 illuminance angle 65°
107 / 27 / 12 / 7
200 100 50 20 10 (lx)
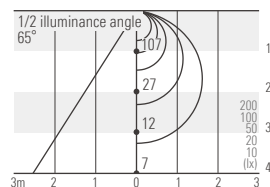
LFTF10-T1000W-L27-CL-I

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

1/2 illuminance angle 65°
96 / 24 / 11 / 6
200 100 50 20 10 (lx)
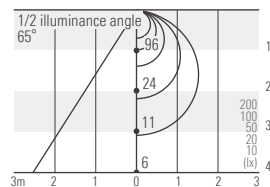
LFTF10-T1000W-L24-CL-I

Light source color	2400K
Brightness	78 cd
Luminous flux	229 lm
Color rendering index	Ra 83
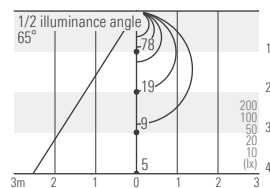
1/2 illuminance angle 65°
78 / 19 / 9 / 5
200 100 50 20 10 (lx)

Recommendend dimensions and illumination distribuitions

@2700K

Cornice lighting-1 CH=2800
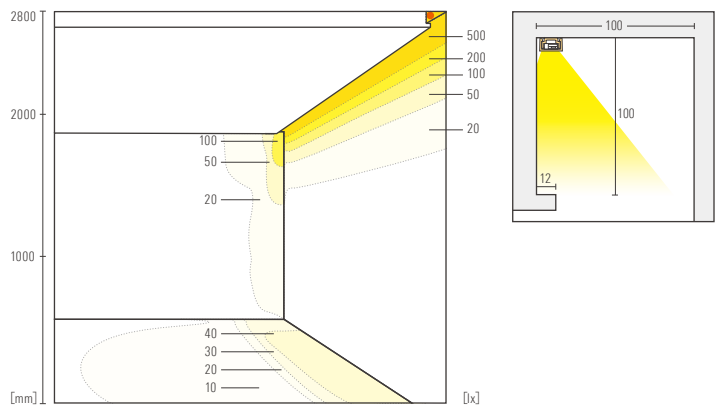
Cornice lighting-2 CH=2800
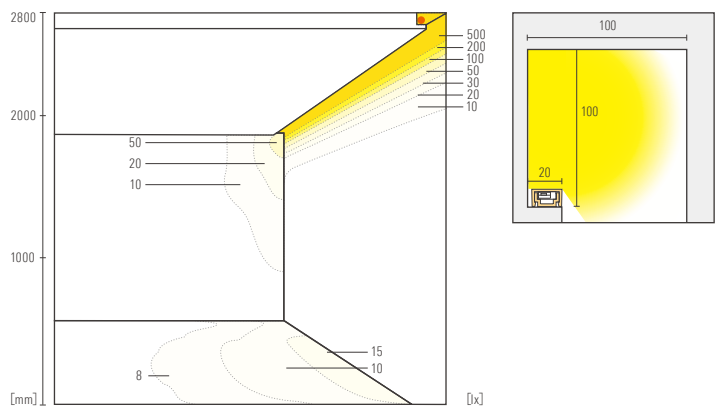
Cove lighting CH=2800
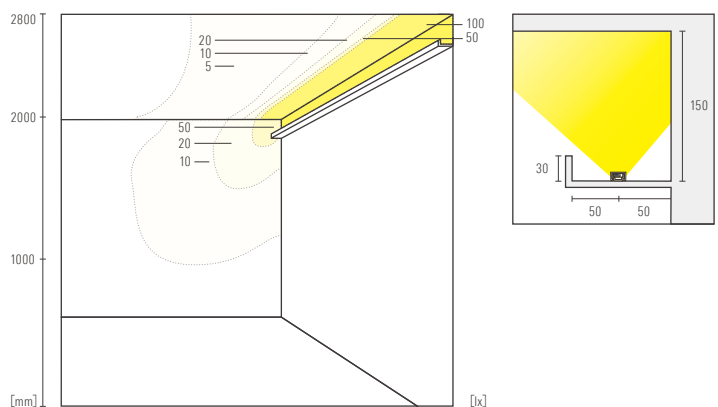
Illuminance data

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

1/2 illuminance angle 65°
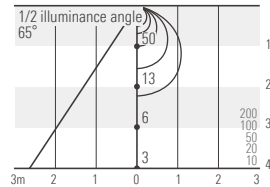
LFTF16-T1000W-L27-CL-I

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

1/2 illuminance angle 67°

LFTF

Power FLEX EX

Power FLEX SpecIC

Power FLEX

Power FLEX TH0F

Flat FLEX F

Power FLEX α

FLEX α F

Luci Power FLEX α
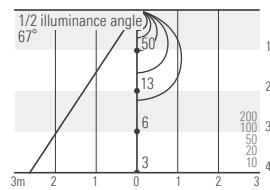
LFPA

Color management
ANSI BIN

CE

3 years warranty

- Flexible strip with bending sideways suitable for curved light trough
- Cuttable eavery 2 LEDs (40mm)
- Accessory for 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.141

LFPA20-0960-L27-CL-I

1/2 illuminance angle 65°
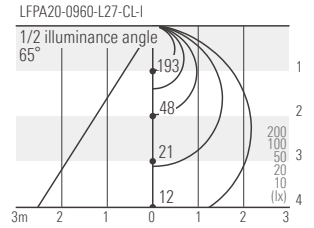
Specification

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	Ra 90	○	613 lm
W	4200K	Ra 90	○	640 lm
WW	3500K	Ra 90	○	613 lm
L30	3000K	Ra 90	○	555 lm
L27	2700K	Ra 90	○	540 lm
L24	2400K	Ra 90	○	440 lm
L19	1900K	Ra 70	✳	482 lm

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R300mm
Material (body)	Soft acrylic
Attachments	❹End cap 2pcs
Option parts	❶Mounting rail ❷Mounting parts ❸Mounting clip ❹End cap ❺Magnet
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

top view

20 Cuttable Point

40

190 970 190

side view

13.7

13.4

side view

13.4

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

Luci Power FLEX α

Indoor

Strip Light

LFPA

Power FLEX EX

Power FLEX SpeciC

Power FLEX

Power FLEX TH0F

Flat FLEX F

Power FLEX α

FLEX α F

Cross sectional view when installing optional items

Straight installation

16
pan head screw M3   17.4

❸
❶

19
❸
❶ ❷
❺

17.4

Curved installation

16
pan head screw M3   17.4

❸
❷

Option parts

❶ Mounting rail 900 for Power FLEX α

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

side view front view

853±2
14.1 42.5 170 170 88 170 170 42.5
14.0
Screw hole : φ4

❷ Mounting parts for Power FLEX α

Model No : LFPA-RL0030
5 pcs / bag

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

side view front view
14.1 30±2
14.0
Screw hole : φ4

❸ Mounting clip for rail Attachments for ❶ & ❷

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

side view front view
17.4 5.0
11.6
17.2

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

side view front view
13.7
13.4
7.5 8.6

❺ Magnet set for rail New

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.
Not available for Air Freight shipping.

Magnet
10 3
10
Countersink for M3

Plate
12 1
5.8
M3 tap

Screw
5
M3

Luci Power FLEX α

Installing the product
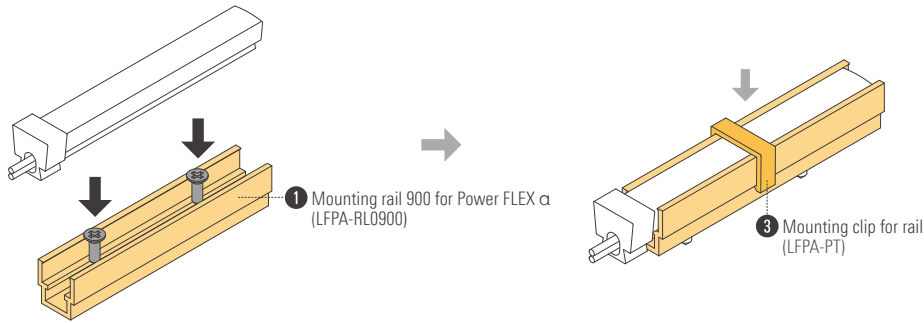
Straight installation

❶ Mounting rail 900 for Power FLEX α
(LFPA-RL0900)

❸ Mounting clip for rail
(LFPA-PT)

Magnet Installation

Mounting rail 1000 for Power FLEX

❶ Mounting rail 900 for Power FLEX α
(LFPA-RL0900)

Plate

Magnet

Screw

Recommended mounting position
Screw hole : φ4

42.5   170   170   42.5
835±2

❺ Magnet set for rail
(MG-R)

Curved installation

❸ Mounting clip for rail
(LFPA-PT)

Minimum bending radius **R=300mm**

Pan head screws M3 recommended.

❷ Mounting parts for Power FLEX α
(LFPA-RL0030)
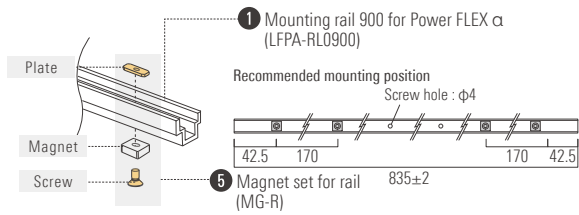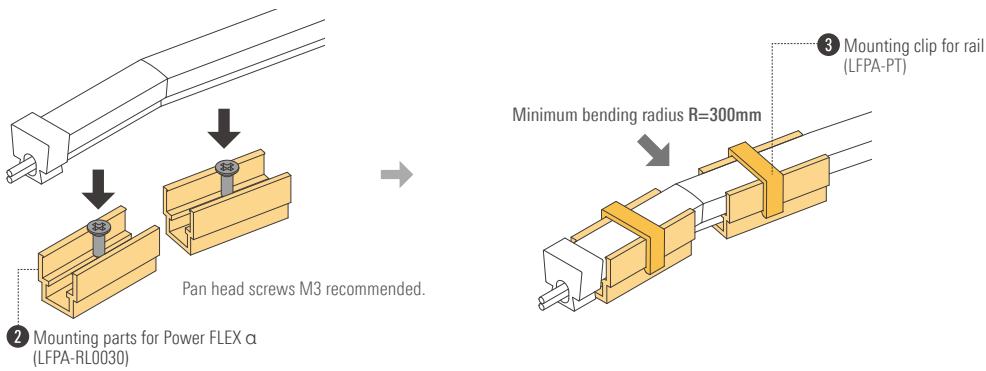
Cutting of lamp fitting
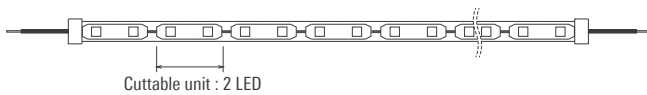
Cuttable unit : 2 LED

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

Failure will caused by cutting on incorrect position.
End cap is required for sealing the open end of LED fixture after cutting.
Sealing glue should be supplied by installer.Acrylic glue is recommended.

System configuration diagram

③ Max. distance 20m
② LED fixture max. 5m

| PSU DC24V | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | LED fixture | | LED fixture | Circuit 2 |

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)

Indoor

Strip Light

LFPA

Power FLEX EX

Power FLEX SpeciC

Power FLEX

Power FLEX TH0F

Flat FLEX F

Power FLEX α

FLEX α F

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

1/2 illuminance angle 65°
220
55
24
14
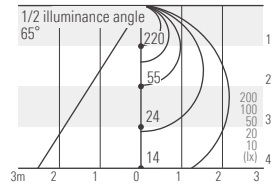
LFPA20-0960-W-CL-I

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

1/2 illuminance angle 65°
229
57
25
14
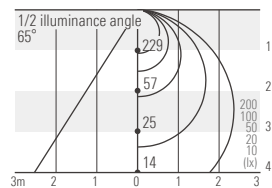
LFPA20-0960-WW-CL-I

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

1/2 illuminance angle 65°
219
55
24
14
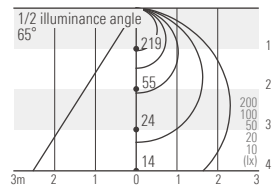
LFPA20-0960-L30-CL-I

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

1/2 illuminance angle 65°
198
50
22
12
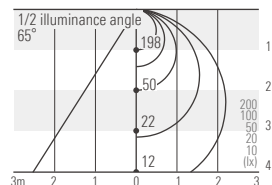
LFPA20-0960-L27-CL-I

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

1/2 illuminance angle 65°
193
48
21
12
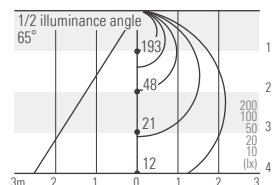
LFPA20-0960-L24-CL-I

|	
Light source color	2400K
Brightness	158 cd
Luminous flux	440 lm
Color rendering index	Ra 90
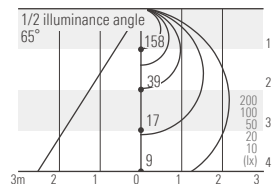
1/2 illuminance angle 65°
158
39
17
9

Recommendend dimensions and illumination distribuitions   @2700K
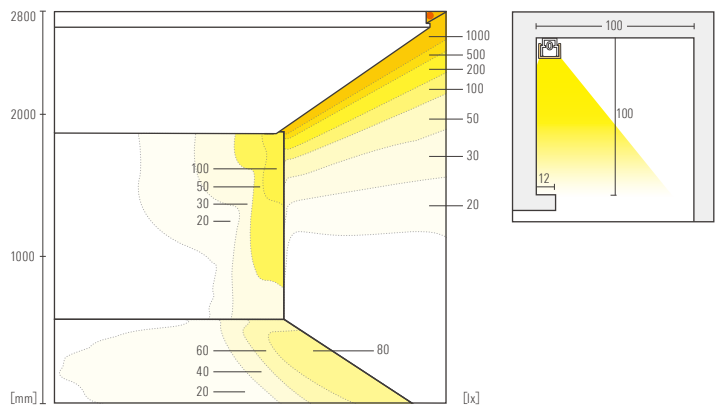
Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800
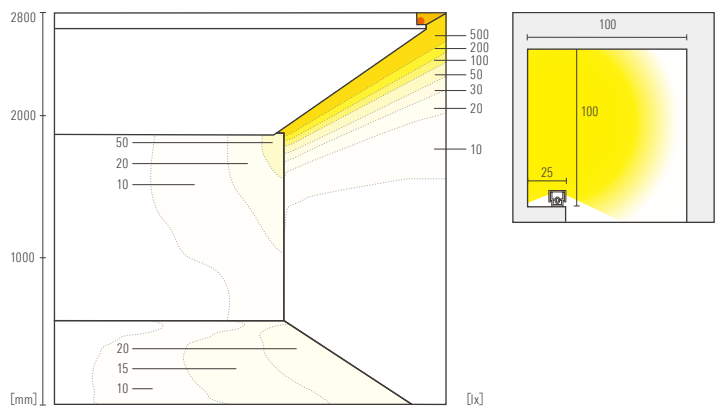
Cove lighting CH=2800
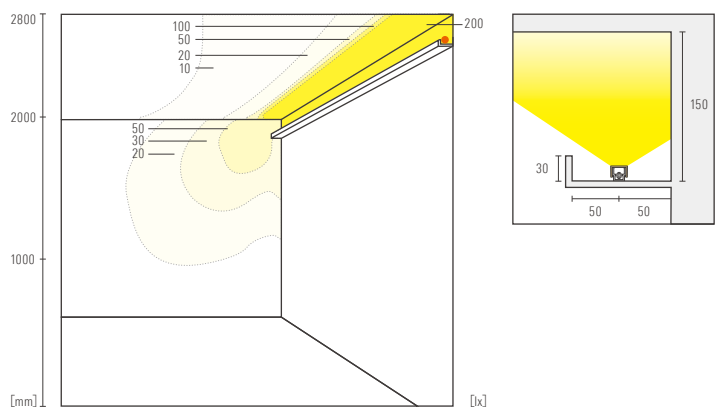
LRO
Luci EFRO IP65
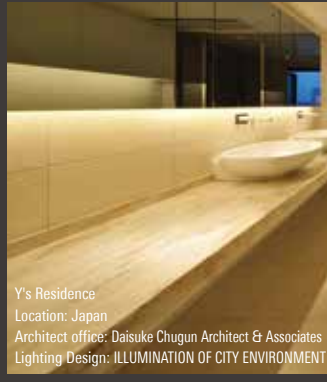
Y's Residence
Location: Japan
Architect office: Daisuke Chugun Architect & Associates
Lighting Design: ILLUMINATION OF CITY ENVIRONMENT

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.

IMG Singapore Office
Location: Singapore
Architect office: ACID

EFRO IP65

Outdoor

Rigid light

LRO

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

Meticulous structural design for humidity-resistance will provide assurance of electrical safety in bathrooms and semi-outdoor

Safety and waterproofing structure

Gasket between the end cap and tube

Fuse on circuit board against unexpected over current

Coated circuit board for prevention against humidity

Sealed by special glue at the end cap and tube
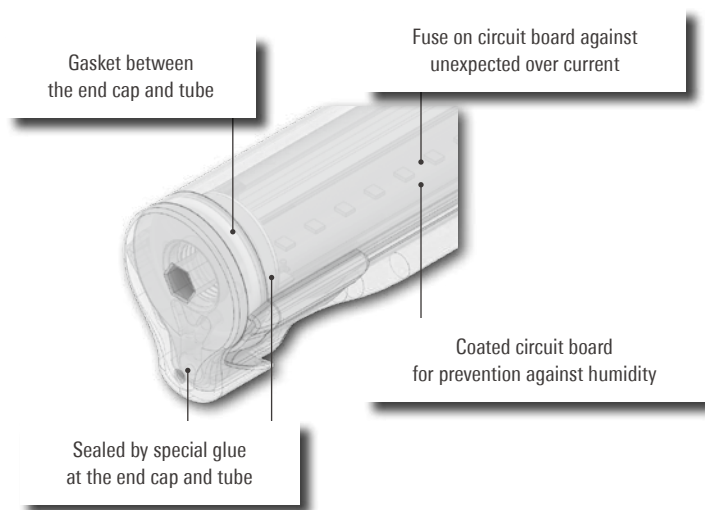
- Dot-free surface for reflective surface material

- High efficacy LED package with 3 steps Macadam
607 lm/m, 8.4 W/m in 2700K, Ra>93

- 5 color variations
4200K, 3500K, 3000K, 2700K, 2400K

- 5 length variations
162 mm, 302 mm, 582 mm, 862 mm, 1142 mm

- Optional aluminium channel for wall mounting
Ideal for vanity lighting purposes with high colour rendering and smooth lighting distribution

LRO

- 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.154

LRO-1142-L27-DF-IW

1/2 illuminance angle
69°
65°

138
34
15
8

1000
500
200
100
50
20
(lx)

3m 2 1 0 1 2 3
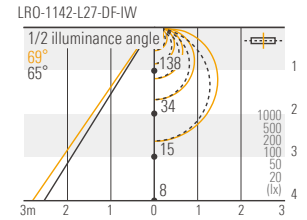
Specification

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

			0162	0302	0582	0862	1142
D	7100K		-	-	-	-	-
N	5300K		-	-	-	-	-
W	4200K	Ra 94	○ 100 lm*	○ 201 lm*	○ 401 lm*	○ 602 lm	○ 802 lm*
WW	3500K	Ra 94	○ 95 lm*	○ 191 lm*	○ 381 lm*	○ 572 lm	○ 862 lm*
L30	3000K	Ra 93	○ 86 lm*	○ 172 lm*	○ 344 lm*	○ 516 lm	○ 688 lm*
L27	2700K	Ra 93	○ 87 lm*	○ 174 lm*	○ 349 lm*	○ 523 lm	○ 697 lm*
L24	2400K	Ra 94	○ 83 lm*	○ 166 lm*	○ 331 lm*	○ 497 lm	○ 662 lm*
L19	1900K		-	-	-	-	-

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	❶Mounting clip 2pcs for 582mm or shorter 3pcs for 862mm or longer
Option parts	❶Mounting clip ❷Mounting rail ❸Power supply cable
Certification	CE, Complied with JIS0920, IP65
Operating temperature	0°C 〜 +35°C (No Condensation)
Dimmable	○
Power Supplies	Required

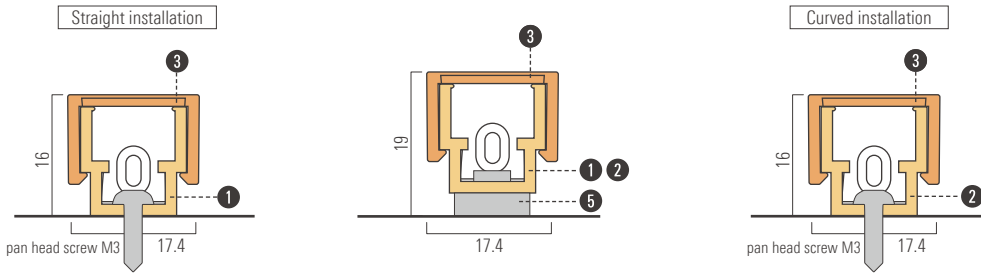*1 Installing in a sauna, bathroom/shower room operated 24 hours a day is not allowed.

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 dimentions

top view

side view   side view

24.6   φ20.0   L ±1

28.3   18.3

10.0   100.0   41.0   38.2   100.0

Prohibited installation places

45°
300 mm or more
Ground / Floor
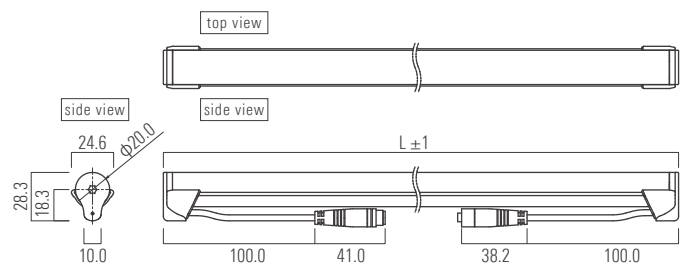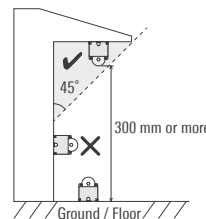
When using EFRO in semi-outdoor, it must be installed with the aluminum rail for EFRO. Please installed the LED fixture and the cable within the range of 45° eaves of the roof and 300 mm or more away from the ground or the floor. Please do not install the LED fixture and cables in the follow place:
- water directly fall on or pooled
- the sumlight directly shines on
- liquids including chroline or chemicals fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Prohibited installation places:

- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- 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

36

25

34

❷

❸ Attachment for ❷

❶

25

Option parts

Cable holding
Holding fixture when vertical installation

❶ 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

Top view
4.3
6
11
13 35

Front view   Side view   30
21.6   34
25   55
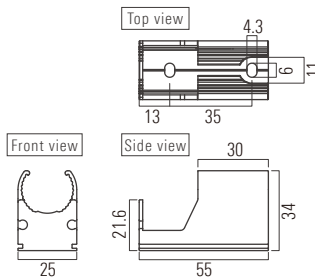
Cautions: Use accurate number of Mounting parts
Install 3pcs of Mounting clips at the middle and both edge sides of LED fixture if the LED fixture is longer than 862mm. Otherwise, the LED fixture will bow by its weight and may defect.

- Number of Mounting clips (LRO-PT-A)
   2 pcs for 582 mm or shorter
   3 pcs for 862 mm or longer

✔   eq.   eq.

✘
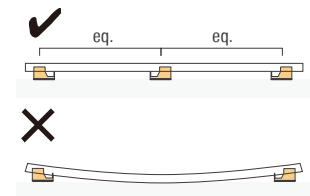
❷ Aluminum mounting rail for EFRO ****

Model No : LRO-RL****-AL

****: Length (0164/0304/0584/0864/1144)

❸ 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)

❸ End cap for aluminum rail [Attachment for ❷]

Model No : LRO-RL-EC
Screws (4 pcs of Flat head, M3L8) are included

Top view   A   A
4.3
6

Front view   Side view   L±0.5
24   23.5   19.5   23.5
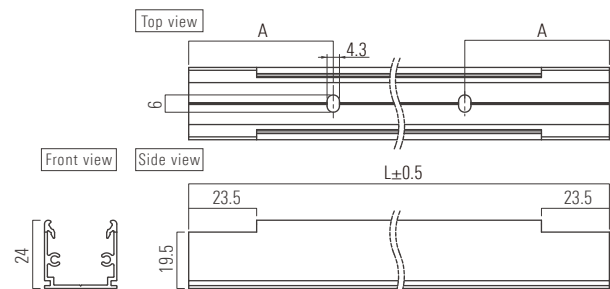
Length	0164	0304	0584,0864,1144
A(mm)	30	50	100

25
Φ3.5
19.5   5.2
4   2 1.5

❹ Power supply cable 5M for AH1 connector OD3.5 [Required]

Model No : CAD-VA5000-FJNN-O

❺ 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
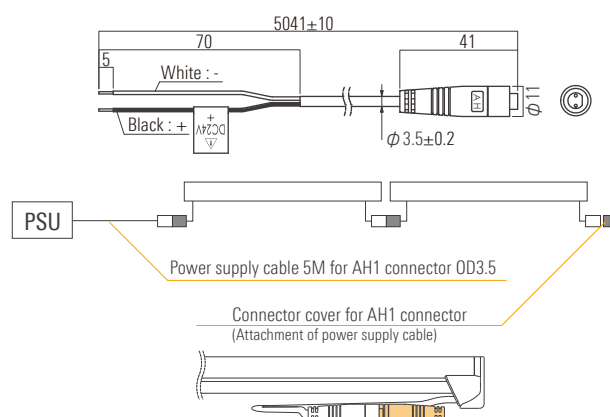
❺ End cap for power supply cable [Attachment for ❹]

Model No : CC-MJ-O

43
Φ11
Regin filled No electrode

5041±10
70   41
5
White : -
Black : +
DC24V
Φ11
Φ3.5±0.2

PSU

Power supply cable 5M for AH1 connector OD3.5

Connector cover for AH1 connector
(Attachment of power supply cable)

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.

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.

❶ Mounting clip for EFRO
(LRO-PT-A) `Attachment`
Secure 1 mounting clip with 2 screws

Power supply cable side   LED fixture side
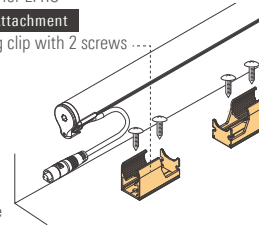
Recommended position of Monting clips

Power supply side of LED fixture
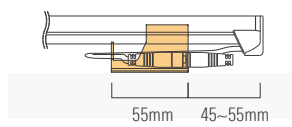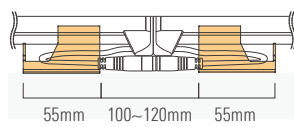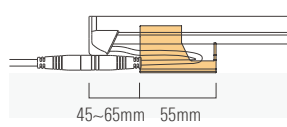
45~65mm   55mm

Between two LED fixtures

55mm   100~120mm   55mm

Terminal of LED fixture

55mm   45~55mm

The cable can be hooked at the slit of Mounting clip to prevent falling down.

❶ Mounting clip for EFRO
(LRO-PT-A) `Attachment`

❺ Connector cover for AH1 connector
(CC-MJ-O) `Attachment for ❹`

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
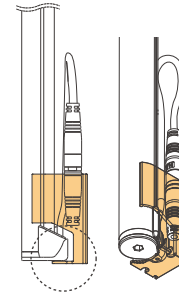
Connector cover for AH1 connector can be stored in the Mounting clip. Connecting the power supply cable at the top of LED fixture.

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.

❷ Aluminum mounting rail for EFRO ****
LRO-RL****-AL)

Power supply cable side   LED fixture side
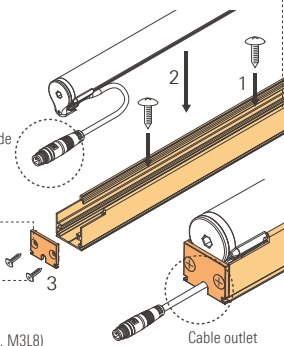
❸ End cap for aluminum rail
(LRO-RL-EC) `Attachment for ❷`

Screws
(4 pcs of Flat head, M3L8)

Cable outlet

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

Power supply side of LED fixture
Below LED fixture
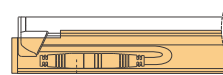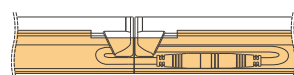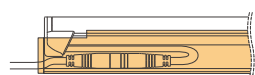
Outside of mounting rail

Between two LED fixture
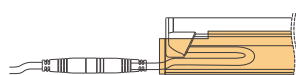
To reduce the gap of two LED fixtures, end caps are not necessary to use.

Terminal of LED fixture
Below LED fixture

❺ Connector cover for AH1 connector
(CC-MJ-O) `Attachment for ❹`

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.
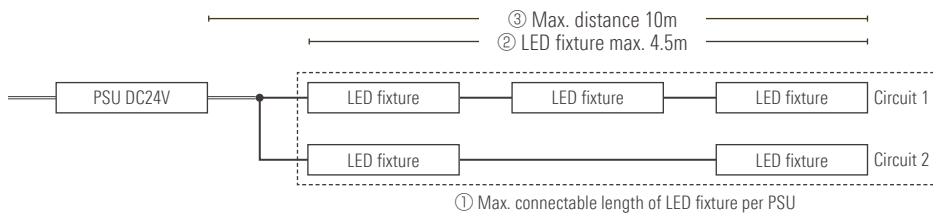
EFRO IP65

Outdoor

Rigid light

LRO

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line HI IP67

System configuration diagram

③ Max. distance 10m

② LED fixture max. 4.5m

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |

| LED fixture | | LED fixture | Circuit 2 |

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)

EFRO IP65

ERO
EFRO IP65

Color temparature

4200K 3500K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

LRO-1142-W-DF-IW

Light source color	4200K
Brightness	152 cd
Luminous flux	802 lm
Color rendering index	Ra 94

1/2 illuminance angle 69° 65°
152
39
17
9
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4
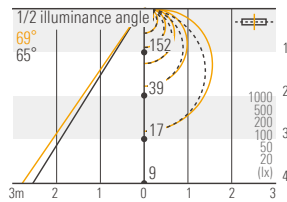
LRO-1142-WW-DF-IW

Light source color	3500K
Brightness	151 cd
Luminous flux	762 lm
Color rendering index	Ra 94

1/2 illuminance angle 69° 65°
151
37
16
9
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4
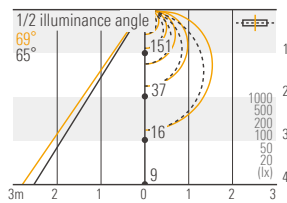
LRO-1142-L30-DF-IW

Light source color	3000K
Brightness	136 cd
Luminous flux	688 lm
Color rendering index	Ra 93

1/2 illuminance angle 69° 65°
136
34
15
8
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4
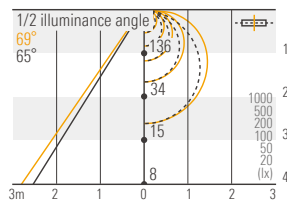
LRO-1142-L27-DF-IW

Light source color	2700K
Brightness	138 cd
Luminous flux	697 lm
Color rendering index	Ra 93

1/2 illuminance angle 69° 65°
138
34
15
8
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4
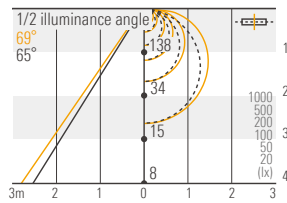
LRO-1142-L24-DF-IW

Light source color	2400K
Brightness	131 cd
Luminous flux	662 lm
Color rendering index	Ra 93
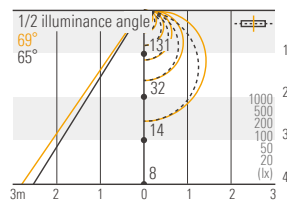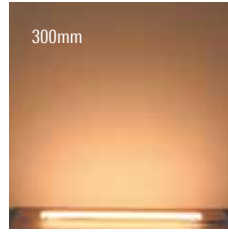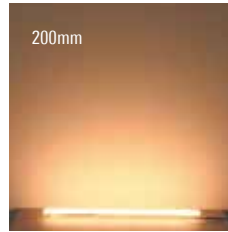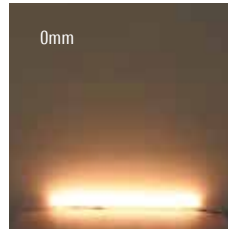
1/2 illuminance angle 69° 65°
131
32
14
8
1000 500 200 100 50 20 (lx)
3m 2 1 0 1 2 3
1 2 3 4

Distance from wall

0mm

50mm

100mm

150mm

200mm

300mm

Outdoor

Rigid light

LRO

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line HI IP67

Recommendend dimensions and illumination distribuitions

Cornice lighting-1 CH=2800
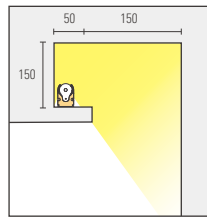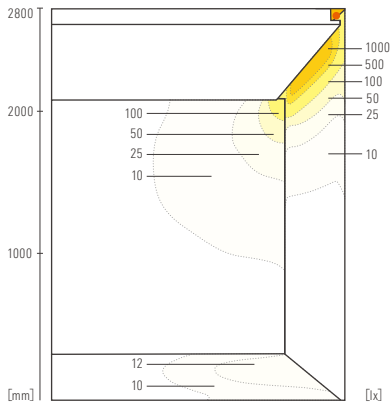
Cornice lighting-2 CH=2800

Cornice lighting-3 CH=2800
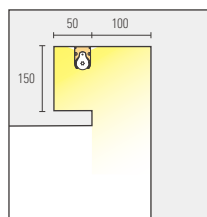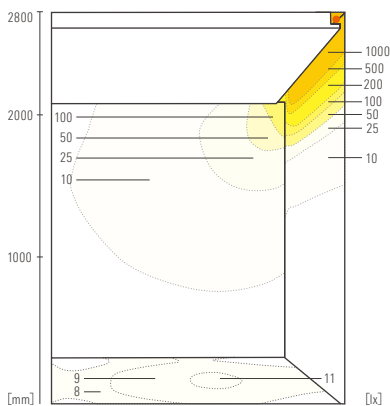
Cornice lighting-4 CH=2800
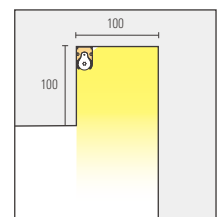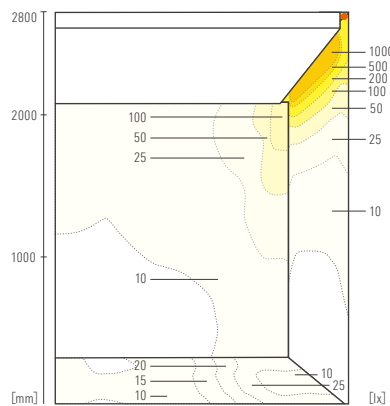
Cove lighting CH=2800

Luci FLEX α F

LFXF

Luci FLEX α F

Color management
ANSI BIN

CE
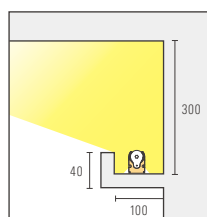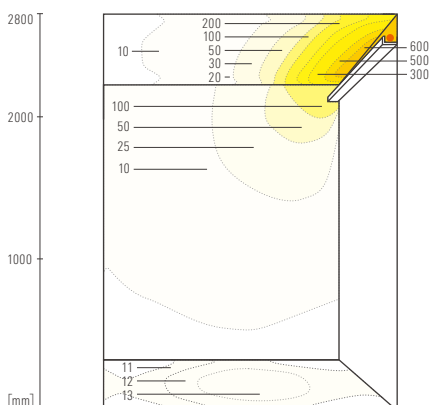
3 years warranty

- Flexible strip with bending sideways
- Cuttable every 6 LEDs (62.4mm)
- Accessory for curved installation

Model No.

LFXF10 -T1000W- ☐ - ☐ - **I**

Product Name / LED pitch	-	Length	-	Light source color	-	Tube type	-	Environment
LFXF10		Custom order length P.145		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.146

LFXF10-T1000W-L27-CL-I

1/2 illuminance angle
72° 65°
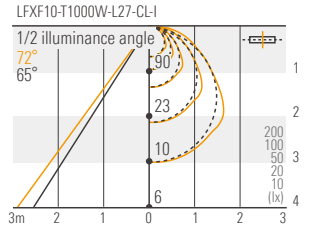
Specification @ Clear cover

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	Ra 74	✳	311 lm*
N	5300K			-
W	4200K	Ra 70	○	330 lm*
WW	3500K	Ra 75	✳	281 lm*
L30	3000K	Ra 70	○	302 lm*
L27	2700K	Ra 71	○	252 lm
L24	2400K	Ra 65	✳	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	❺End cap 2pcs
Option parts	❶Mounting rail ❷Mounting parts ❸❹Mounting clip ❺End cap
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

top view

side view

Cuttable Point

10.4 9.5±1

62.4

1010 190 4

10

Max. connectable length per power supply

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

Cross sectional view when installing optional items

Straight installation

14

26.5
pan head screw M3

Curved installation

14

26.5
pan head screw M3

Narrow clip

14

18.5
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.

7.2   970
7.4

❷ Mounting parts for FLEX α

Model No : LFT-RL0015

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

For curved installation

7.2

15   7.4

❸ Mounting clip B for FLEX α

Model No : LFX-RC-B

10 pcs / bag

Narrower clip used
with rail ❶ or parts ❷

8.5
5   9.5

Screw hole : φ4.5

1.8
1.5   14
1.5 7.5 1.5

❹ Mounting clip 1000 for FLEX α rail   Attachments for ❶ & ❷

Model No : LFX-RC

for extra order, 10 pcs / bag

17.5
9.5

Screw hole : φ4   1.5

14
9.5 7.5 9.5

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

Adhesive for
sealing poured
into the body

6   6.2
6.2

12   12.3
10.9

LFXF

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX THOF

Flat FLEX F

Power FLEX α

FLEX α F

Luci FLEX α F

Installing the product

Straight installation

❹ Mounting clip 1000 for FLEX α rail
(LFX-RC)

❶ Mounting rail 1000 for FLEX α
(LFX-RL1000)

❸ Mounting clip B for FLEX α
(LFX-RC-B)

Pan head screws M3 recommended.

Curved installation

❹ Mounting clip 1000 for FLEX α rail
(LFX-RC)

❷ Mounting clip for FLEX α
(LFX-RL0015)

❸ Mounting clip B for FLEX α
(LFX-RC-B)

Pan head screws M3 recommended.

Minimum bending radius
R50mm

Cutting of lamp fitting

Cuttable unit : 6 LED

+24V +24V

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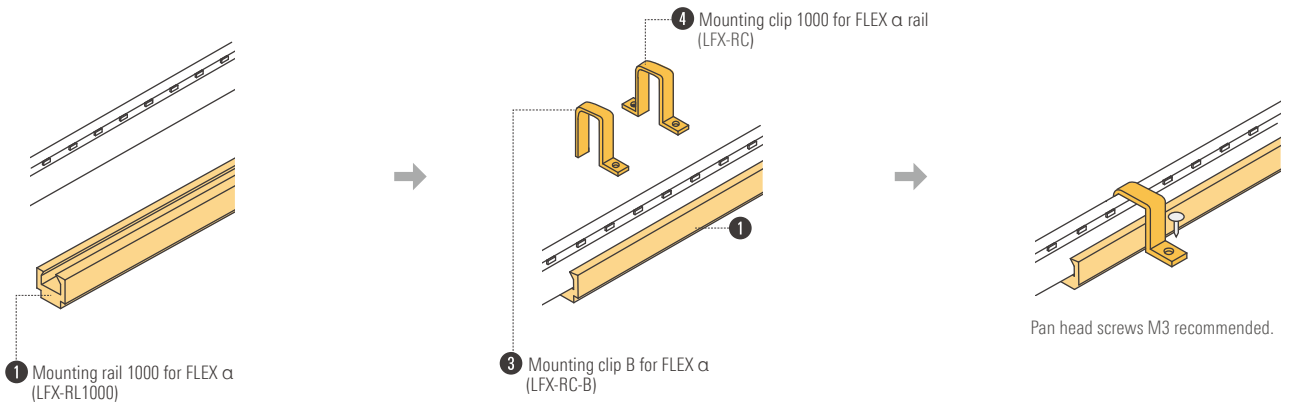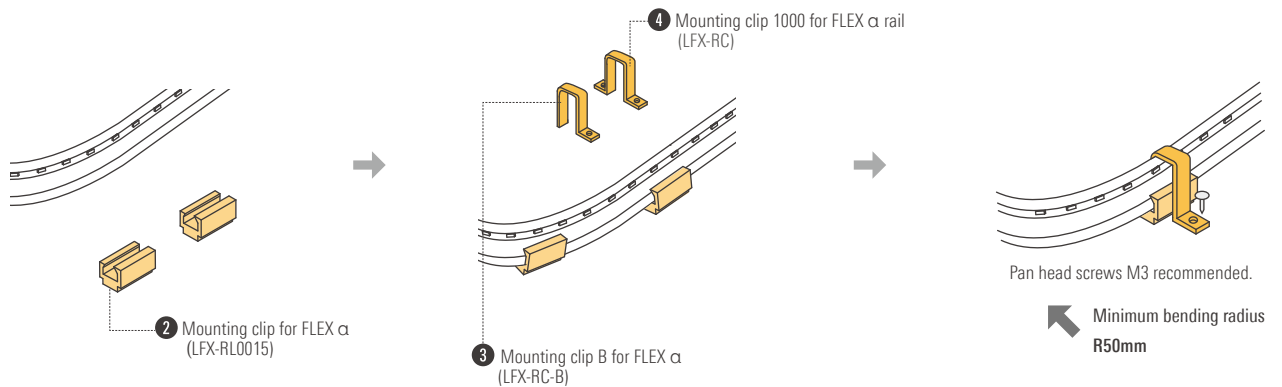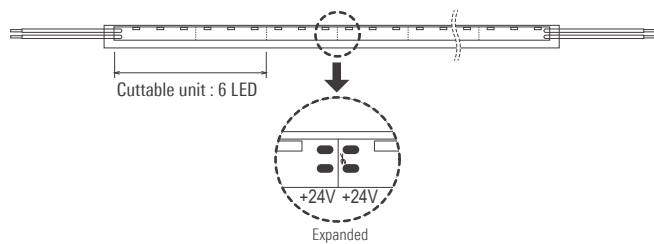
The cuttable unit of Luci FLEX α is 6 LEDs.

Failure will caused by cutting on incorrect position.
End cap is required for sealing the open end of LED fixture after cutting.
Sealing glue should be supplied by installer.Acrylic glue is recommended.

System configuration diagram

③ Max. distance 10m
② LED fixture max. 5m

| PSU DC24V | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | LED fixture | | LED fixture | Circuit 2 |

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)

Luci FLEX α F

Indoor

Strip Light

LFXF

Power FLEX EX

Power FLEX SpectC

Power FLEX

Power FLEX TH0F

Flat FLEX F

Power FLEX α

FLEX α F

Luci FLEX α F Indoor -Custom order-

Model No.

LFXF10 - T□□□□ □ - □ - □ - I

Length	Lead Wire	Light source color	Tube type	Environment

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
W	White	4200K
WW	Warm white 3500K	3500K
L30	Warm white 3000K	3000K
L27	Warm white 2700K	2700K
L24	Warm white 2400K	2400K

Tube type

| CL | Clear |
| DF | Diffuser |

Environment

| I | Indoor |

External dimension

Luci FLEX α Indoor / **W** Both ends lead wire

LFXF10 -T□□□□W- □ - □ - I

Length Color Tube

10

Length
Length +10   190

Luci FLEX α Indoor / **S** One end lead wire

LFXF10 -T□□□□S- □ - □ - I

Length Color Tube

10

Length
Length +10   190

- 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 on the above is for reference only. Due to the tolerances of the production process, values for color temperature can vary ±10%.ÐThe lumen output value of diffuser tube type is 20~30% less than clear tube type.

Clear tube

Diffuser tube

Luci FLEX α F

LFXF10
Luci FLEX α 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

1/2 illuminance angle 69° 65°
106 / 27 / 12 / 7
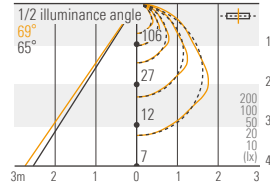
LFXF10-T1000W-W-CL-I

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

1/2 illuminance angle 69° 65°
96 / 24 / 11 / 6
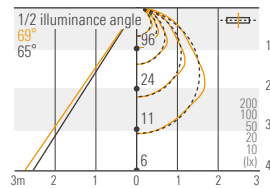
LFXF10-T1000W-WW-CL-I

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

1/2 illuminance angle 72° 65°
108 / 27 / 12 / 6
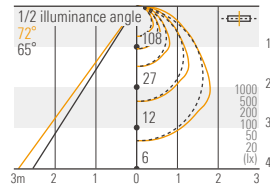
LFXF10-T1000W-L30-CL-I

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

1/2 illuminance angle 72° 65°
90 / 23 / 10 / 6
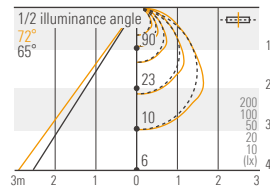
LFXF10-T1000W-L27-CL-I

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

1/2 illuminance angle 72° 65°
87 / 21 / 9 / 5
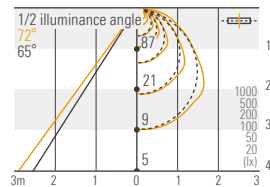
LFXF10-T1000W-L24-CL-I

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

1/2 illuminance angle 69° 65°
98 / 24 / 10 / 6

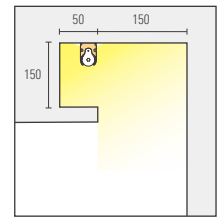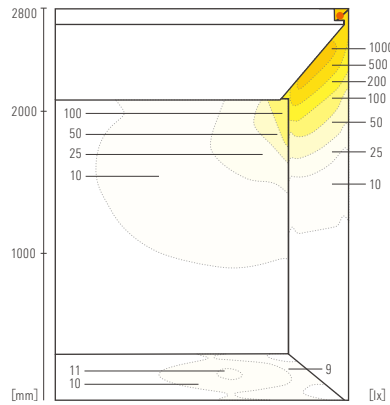### Recommendend dimensions and illumination distribuitions @2700K

Cornice lighting-1 CH=2800

Cornice lighting-2 CH=2800

Cove lighting CH=2800

Luci FLEX α F

L-ELA9K2
Power LEDs Line IP65

Small dimention lighting with extrusion lens for grazing effect for outdoor

Application

Balcony and building facade which placed from where does not get direct sunshine

Facade

Bathroom

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

EMPIRE Prestige Causeway Bay
Location: Hong Kong
Client: Asia Standard Hotel Group Ltd.
Interior Design: atelier ikebuchi

Outdoor

Rigid light

L-ELA9K2

EFR0 IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

MADE IN JAPAN

2 types of beam angle by extrude lens

transverse direction

35° 60°

longitudinal direction

× 120°

Because of 120∞ light distribution, the scallop does not come out, even if the distance from the wall is less than 50mm. 35∞type is suitable for grazing effect, 60∞type is for wider effect. Highly recommended to use 150mm from the wall, in order to spread the light smoothly.

12 kinds of length variation

120 mm increments, min.125mm and max. 1445 mm can be used for complicated shape of facade.

Max. connectable length is 9 m

Recommended where the power supply installation location and the light fixture location are apart from each other.

4 Color variations

4000K, 3500K, 3000K, 2700K

Easy dimming with 24 VDC low voltage power supply

Dimmable by any signal such as 0 - 10 V, DMX, DALI, etc, if you use an adaptive dimming driver, with simple wiring. Ideal for dimming the whole in synchronization. Although it is unsuitable for design that requires individual control.

High efficiency LED

Achieved 19.8 W/m, 1600 lm/m and 79 lm/W using Nichia high efficiency LED package.

Advanced waterproofing function design

IP67 connector

Heatproof fluororesin cable covered with weather resistance cover

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

Polycarbonate protection cover covered by steel wire

Lifted mounting clip for preventing invasion of rain water

Comparison of the distance from wall

0mm　　50mm　　100mm　　200mm　　300mm

L : 60° × 120°

＊ mm

N : 35° × 120°

＊ mm

Power LEDs Line IP65

L-ELA9K2

Color management
CIE

- Narrow beam angle with extrusion lens L: 60˚x120˚, N: 35˚ x 120˚
- 12 kinds of length variation
- Max. connectable length: 9m

Model No.

L - ELA9K2 - ▢▢▢ ▢ ▢ ▢ **- 24C - P**

Product Name	-	Length	Lead wire	Light source color	Beam angle
L-ELA9K2		012　084 024　096 036　108 048　120 060　132 072　144	J : Both ends lead wire E : One end lead wire	40 : 4000K 35 : 3500K 30 : 3000K 27 : 2700K	L : 60° × 120° N : 35° × 120°

Light Intensity　Refer to P.161

L-ELA9K2-096J(E)27N-24C-P

1/2 illuminance angle
37°
59°

Specification

Length		048	096	144
Model No.	Both ends lead wire	L-ELA9K2-048J▢▢-24C-P	L-ELA9K2-096J▢▢-24C-P	L-ELA9K2-144J▢▢-24C-P
	One end lead wire	L-ELA9K2-048E▢▢-24C-P	L-ELA9K2-096E▢▢-24C-P	L-ELA9K2-144E▢▢-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	Ra 83	○　910 lm	○　1820 lm	○　2740 lm
35　3500K	Ra 83	○　910 lm	○　1820 lm	○　2740 lm
30　3000K	Ra 83	○　910 lm	○　1810 lm	○　2720 lm
27　2700K	Ra 83	○　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℃, 25〜95%RH（no condensation）
Storage temperature / humidity	-15〜55℃, 25〜85%RH（no condensation）
Material (body)	Aluminium, Polycarbonate
Attachments	-
Option parts	❶Power supply cable ❷Joint cable
Dimmable	○
Power Supplies	Required
COO	Japan

External dimentions

Both ends lead wire

Front view　　　　　　　　　　　　　Cross section view

14.2　　36　100　　L±3　　φ4　100　26　13　22　35

One end lead wire

Front view　　　　　　　　　　　　　Cross section view

14.2　　36　100　　L±3　　φ4　22　35

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:

- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- 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.

Power LEDs Line IP65

Outdoor

Rigid light

L-ELA9K2

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line HI IP67

Cross sectional view

22

35

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.

Top view
4.3

Front view
40
6.6
Side view
20   L   26   14   13

❷ Joint cable EECC *mm

*(Length:mm)	500	1000	2000	4000	6000
Model No.	EECC220-805	EECC220-810	EECC220-820	EECC220-840	EECC220-860

Top view
16

Front view
14.2
6.6
Side view
36   L   26   14   13

Power LEDs Line IP65

Clip installation

Mounting screw

35 mm
29 mm

Mounting clip
(installed, slidable)

Screw hole of
4.2mm in diameter

Power source side

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

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.
- 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.

| Cove lighting | Cornice lighting | Sideways | Sealed (the size is the same for both upward and downward) |

Over 100
Over 45
Under 30

under 120
Over 45

Over 50
Over 50
Under 45

Over 50
Over 50

※ unit of measure=mm

Ststem configuration diagram

③ Max. distance 12.2m
② LED fixture max. 9m

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |
| LED fixture | | LED fixture | Circuit 2 |

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)

Outdoor

Rigid light

L-ELA9K2

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

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)40L-24C-P

Light source color	4000K
Brightness	1265 cd
Luminous flux	1820 lm
Color rendering index	Ra 83

1/2 illuminance angle 37° / 59°
1265, 316, 140, 79
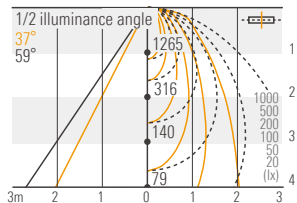
L-ELA9K2-096J(E)40N-24C-P

Light source color	4000K
Brightness	837 cd
Luminous flux	840 lm
Color rendering index	Ra 83

1/2 illuminance angle 54° / 68°
837, 209, 93, 52
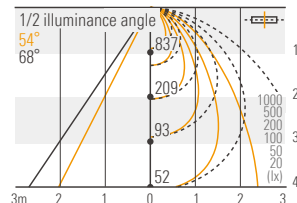
L-ELA9K2-096J(E)35L-24C-P

Light source color	3500K
Brightness	1241 cd
Luminous flux	1820 lm
Color rendering index	Ra 83

1/2 illuminance angle 37° / 59°
1241, 310, 137, 77
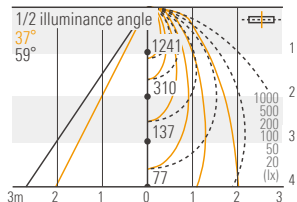
L-ELA9K2-096J(E)35N-24C-P

Light source color	3500K
Brightness	821 cd
Luminous flux	830 lm
Color rendering index	Ra 83

1/2 illuminance angle 54° / 68°
821, 205, 91, 51
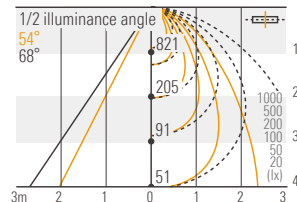
L-ELA9K2-096J(E)30L-24C-P

Light source color	3000K
Brightness	1195 cd
Luminous flux	1810 lm
Color rendering index	Ra 83

1/2 illuminance angle 37° / 59°
1195, 298, 132, 74
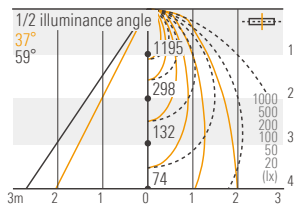
L-ELA9K2-096J(E)30N-24C-P

Light source color	3000K
Brightness	791 cd
Luminous flux	800 lm
Color rendering index	Ra 83

1/2 illuminance angle 54° / 68°
791, 197, 87, 49
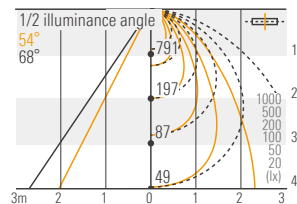
L-ELA9K2-096J(E)27L-24C-P

Light source color	2700K
Brightness	1172 cd
Luminous flux	1760 lm
Color rendering index	Ra 83

1/2 illuminance angle 37° / 59°
1172, 293, 130, 73
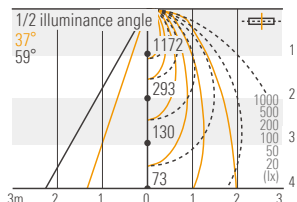
L-ELA9K2-096J(E)27N-24C-P

Light source color	2700K
Brightness	775 cd
Luminous flux	780 lm
Color rendering index	Ra 83
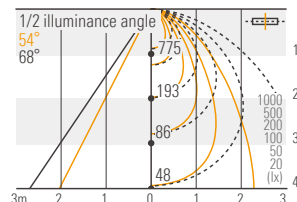
1/2 illuminance angle 54° / 68°
775, 193, 86, 48

L-ELA9K2
Power LEDs Line IP65

Small dimention lighting with extrusion lens for grazing effect for outdoor

Application

Balcony and building facade which placed from where does not get direct sunshine

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

EMPIRE Prestige Causeway Bay
Location: Hong Kong
Client: Asia Standard Hotel Group Ltd.
Interior Design: atelier ikebuchi

Outdoor

Rigid light

L-ELA9K2

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

Power LEDs Line IP65

MADE IN JAPAN

2 types of beam angle by extrude lens

transverse direction

35° 60° × longitudinal direction 120°

Because of 120∞ light distribution, the scallop does not come out, even if the distance from the wall is less than 50mm. 35∞type is suitable for grazing effect, 60∞type is for wider effect. Highly recommended to use 150mm from the wall, in order to spread the light smoothly.

12 kinds of length variation

120 mm increments, min.125mm and max. 1445 mm can be used for complicated shape of facade.

Max. connectable length is 9 m

Recommended where the power supply installation location and the light fixture location are apart from each other.

4 Color variations

4000K, 3500K, 3000K, 2700K

Easy dimming with 24 VDC low voltage power supply

Dimmable by any signal such as 0 - 10 V, DMX, DALI, etc, if you use an adaptive dimming driver, with simple wiring. Ideal for dimming the whole in synchronization. Although it is unsuitable for design that requires individual control.

High efficiency LED

Achieved 19.8 W/m, 1600 lm/m and 79 lm/W using Nichia high efficiency LED package.

Advanced waterproofing function design

IP67 connector

Heatproof fluororesin cable covered with weather resistance cover

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

Polycarbonate protection cover covered by steel wire

Lifted mounting clip for preventing invasion of rain water

Comparison of the distance from wall

0mm   50mm   100mm   200mm   300mm

L : 60° × 120°

∗ mm

N : 35° × 120°

∗ mm

Power LEDs Line IP65

L-ELA9K2

Color management
CIE

- Narrow beam angle with extrusion lens L: 60˚x120˚, N: 35˚ x 120˚
- 12 kinds of length variation
- Max. connectable length: 9m

Model No.

L - ELA9K2 - ☐☐☐ ☐ ☐ ☐ - 24C - P

Product Name	-	Length	Lead wire	Light source color	Beam angle
L-ELA9K2		012 084 024 096 036 108 048 120 060 132 072 144	J : Both ends lead wire E : One end lead wire	40 : 4000K 35 : 3500K 30 : 3000K 27 : 2700K	L : 60˚ × 120˚ N : 35˚ × 120˚

Light Intensity Refer to P.161

L-ELA9K2-096J(E)27N-24C-P

1/2 illuminance angle
36°
60°

Specification

Length	048	096	144
Model No. Both ends lead wire	L-ELA9K2-048J☐☐-24C-P	L-ELA9K2-096J☐☐-24C-P	L-ELA9K2-144J☐☐-24C-P
One end lead wire	L-ELA9K2-048E☐☐-24C-P	L-ELA9K2-096E☐☐-24C-P	L-ELA9K2-144E☐☐-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 Ra 83	○ 910 lm	○ 1820 lm	○ 2740 lm
35 3500K Ra 83	○ 910 lm	○ 1820 lm	○ 2740 lm
30 3000K Ra 83	○ 910 lm	○ 1810 lm	○ 2720 lm
27 2700K Ra 83	○ 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℃, 25〜95%RH（no condensation）
Storage temperature / humidity	-15〜55℃, 25〜85%RH（no condensation）
Material (body)	Aluminium, Polycarbonate
Attachments	-
Option parts	❶Power supply cable ❷Joint cable
Dimmable	○
Power Supplies	Required
COO	Japan

External dimentions

Both ends lead wire

Front view   Cross section view

14.2   36 100   L±3   100 26   φ4   13   35   22

One end lead wire

Front view   Cross section view

14.2   36 100   L±3   φ4   35   22

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:

- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- 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.

Power LEDs Line IP65

Outdoor

Rigid light

L-ELA9K2

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line HI IP67

Cross sectional view

22
35

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.

Top view
4.3 (+ side)
Front view 40 6.6 Side view
20 L 26 14 13

❷ Joint cable EECC *mm

*(Length:mm)	500	1000	2000	4000	6000
Model No.	EECC220-805	EECC220-810	EECC220-820	EECC220-840	EECC220-860

Top view
16
Front view 6.6 Side view
14.2 36 L 26 14 13

Power LEDs Line IP65

Installing the product

Clip installation

Mounting screw

Power source side

Mounting clip
(installed, slidable)

Screw hole of
4.2mm in diameter

35 mm

29 mm

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

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.
- 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.

| Cove lighting | Cornice lighting | Sideways | Sealed (the size is the same for both upward and downward) |

Cove lighting: Over 100, Over 45, Under 30

Cornice lighting: under 120, Over 45

Sideways: Over 50, Over 50, Under 45

Sealed: Over 50, Over 50

※ unit of measure=mm

Ststem configuration diagram

③ Max. distance 12.2m
② LED fixture max. 9m

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |
| LED fixture | | LED fixture | Circuit 2 |

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)40L-24C-P

Light source color	4000K
Brightness	978 cd
Luminous flux	1820 lm
Color rendering index	Ra 83

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)35L-24C-P

Light source color	3500K
Brightness	978 cd
Luminous flux	1820 lm
Color rendering index	Ra 83
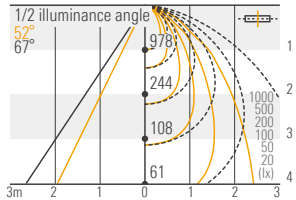
L-ELA9K2-096J(E)35N-24C-P

Light source color	3500K
Brightness	1612 cd
Luminous flux	2000 lm
Color rendering index	Ra 83
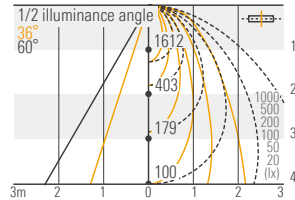
L-ELA9K2-096J(E)30L-24C-P

Light source color	3000K
Brightness	973 cd
Luminous flux	1810 lm
Color rendering index	Ra 83
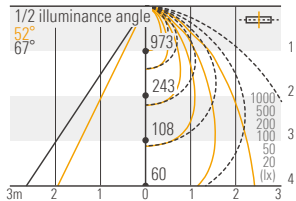
L-ELA9K2-096J(E)30N-24C-P

Light source color	3000K
Brightness	1612 cd
Luminous flux	2000 lm
Color rendering index	Ra 83
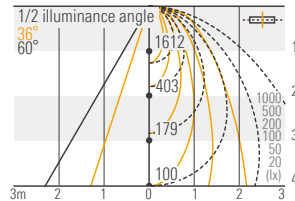
L-ELA9K2-096J(E)27L-24C-P

Light source color	2700K
Brightness	946 cd
Luminous flux	1760 lm
Color rendering index	Ra 83
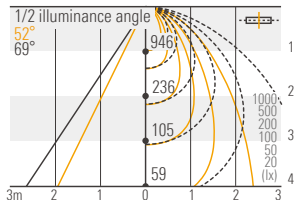
L-ELA9K2-096J(E)27N-24C-P

Light source color	2700K
Brightness	1612 cd
Luminous flux	2000 lm
Color rendering index	Ra 83
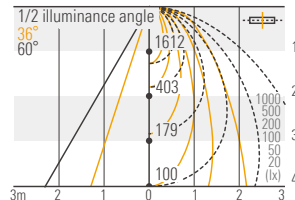
L-ELS7K1
LEDs Bar IP65

Dot-free Linear light with three surface emitting

SPACES Sun House
Hong Kong
Client: Spaces.
Architect office: Shadow Design

Application

For under bench, steps, handrails in landscape area, indirect light for facade,
and the recessed lighting installation with no direct sunlight

Indirect light for outdoor

Recessed light

Landscape

Azumaen
Location: JAPAN
Architect office: GOSiZE Co.,Ltd.
Construction: Tanigawa Construction Campany Co.,Ltd.
Photo: GOSiZE Co.,Ltd.

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

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

Outdoor

Rigid light

L-ELS7K1

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

MADE IN JAPAN

Smooth light by dotless, three-sided emission

250°
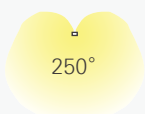
LEDs bar is ideal for under the bench and steps in the landscape. In particular, it is recommended when the surface to be irradiated is a glossy material. You don't need to make any light box for erasing the dots, and you don't need to worry about poor lighting effect caused by LED strips dropping from the aluminium profile.

Strip light

Dot-free type
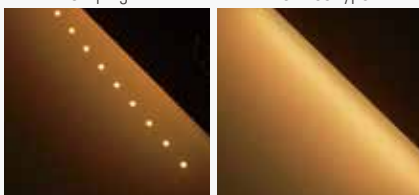
12 kinds of length variation

120 mm increments, min.140mm and max. 1460 mm can be used for complicated shape installation.

Max. connectable length is 6.9 m

Recommended where the power supply installation location and the light fixture location are apart from each other.

4 Color variations with MacAdam 3 steps

4000K, 3500K, 3000K, 2700K

Available recessed installation for making exposed straigh light effect

LEDs bar can be installed as exposed linear light in except for where the sun directly strike it. By using lift clip, the connector can be put below the LED fixture.

Easy dimming with 24 VDC low voltage power supply

Dimmable by any signal such as 0 - 10 V, DMX, DALI, etc, if you use an adaptive dimming driver, with simple wiring. Ideal for dimming the whole in synchronization. Although it is unsuitable for design that requires individual control.

High efficiency LED

Achieved 7.7 W/m, 780 lm/m and 101.3 lm/W using Nichia high efficiency LED package.

Advanced waterproofing function design
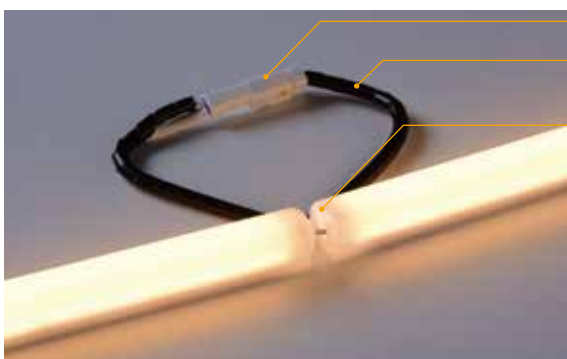
IP67 connector (Japanese brand)

Heatproof fluororesin cable covered with weather resistance

Cylindrical extruded polycarbonate diffused cover. Encapsulated by silicon around cable and Polycarbonate end cap.

Comparison of the distance from wall

∗ mm

0mm   50mm   100mm   200mm   300mm
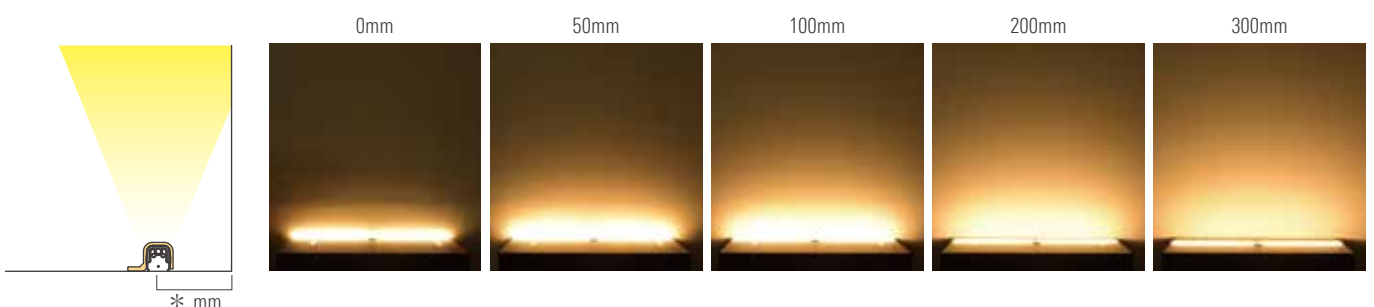
L-ELS7K1

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		014 086		J : Both ends lead wire	40 : 4000K
		026 098		E : One end lead wire	35 : 3500K
		038 110			30 : 3000K
		050 122			27 : 2700K
		062 134			
		074 146			

Light Intensity   Refer to P.167

L-ELS7K1-098J(E)27-24

1/2 illuminance angle
80°
66°
120
30
13
7
1000
500
200
100
50
20
(lx)

Specification

Length	048	096	144
Model No. Both ends lead wire	L-ELA9K2-048J☐☐-24C-P	L-ELA9K2-096J☐☐-24C-P	L-ELA9K2-144J☐☐-24C-P
One end lead wire	L-ELA9K2-048E☐☐-24C-P	L-ELA9K2-096E☐☐-24C-P	L-ELA9K2-144E☐☐-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

Light source color					
40	4000K	Ra 82	○ 430 lm	○ 850 lm	○ 1280 lm
35	3500K	Ra 82	○ 400 lm	○ 810 lm	○ 1210 lm
30	3000K	Ra 82	○ 400 lm	○ 790 lm	○ 1190 lm
27	2700K	Ra 82	○ 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	6.9m
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	❶ ❷Mounting clip ❸Power supply cable ❹Joint cable
Dimmable	○
Power Supplies	Required
COO	Japan

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

External dimentions

Both ends lead wire

Cross section view   Front view

13.6
13.2   25.8   100   L±3   100   16.5

One end lead wire

Cross section view   Front view

13.6
13.2   25.8   100   L±3

Prohibited installation places:

- water directly fall on or pooled
- liquids including chroline or chemicals fall on
- 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

15.3

24.2

29

16

① ②

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

Top view

φ4.2

4.2

Front view   Side view

24.2   12   15.3
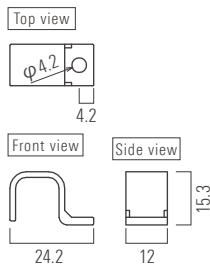
② Lift clip for LEDs Bar IP65

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
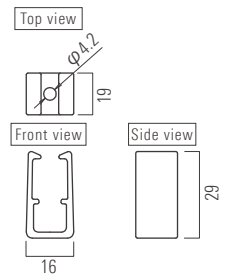
Top view

φ4.2

19

Front view   Side view

16   29

③ Power supply cable EPYC *mm `Required`

*(Length:mm)	500	1000	2000	4000
Model No.	EPYJ220-305-K	EPYJ220-310-K	EPYJ220-320-K	EPYJ220-340-K

Top view

(+ side)

4.3

(40)

Front view

4.6

20   L   16.5   6.7   7
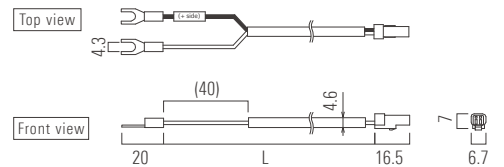
⚠ Check the label on the DC + side for polarity.

④ Joint cable EEJJ *mm

*(Length:mm)	500	1000	2000	4000	6000
Model No.	EEJJ220-305	EEJJ220-310	EEJJ220-320	EEJJ220-340	EEJJ220-360

Top view

Front view

4.6

25.8   L   16.5   6.7   7
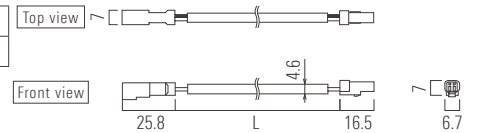
LEDs Bar IP65

Installing the product
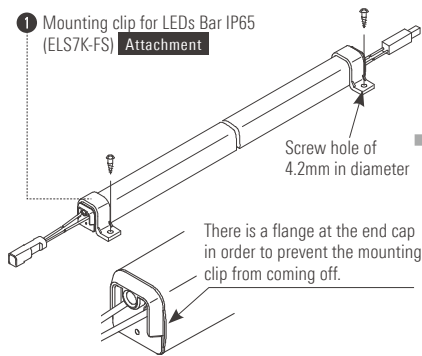
Clip installation

❶ Mounting clip for LEDs Bar IP65 (ELS7K-FS) `Attachment`

Screw hole of 4.2mm in diameter

There is a flange at the end cap in order to prevent the mounting clip from coming off.

Connector (Power source side)

Connector (Feed side)

Insert until it is locked

Small space

Considering the elasticity of the case, make a small space of 1-2mm.

Lead extended horizontally

Lead extended downward

Possible to extend the lead aside

Fix the lamp on the installation site with the attached Mounting clips and screws (round head screw M3.1 x 16).
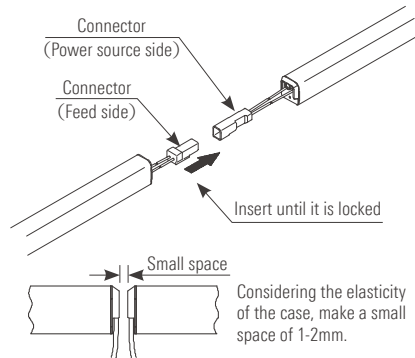
Join the connectors. Make sure that they are correctly joined. Use the one side connector product (L-ELS7K1-xxxE*-24) for the end of connection.
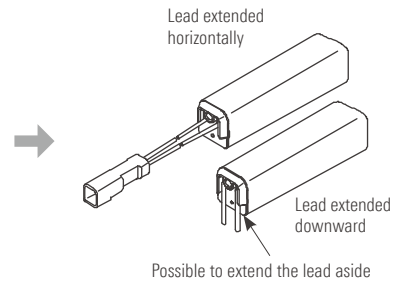
Place the lead towards the direction according to each usage.

⚠ 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.

❶ Mounting clip for LEDs Bar IP65

| Cove lighting | Sideways | Sealed (the size is the same for both upward and downward) |

Over 100 · Over 40 · Under 30

Over 50 · Over 50 · Under 35

⌀10
Through hole of the connector

Over 40 · Over 30

❷ Lift clip for LEDs Bar IP65

Embedded in a building

29 · 25

※ unit of measure=mm

Ststem configuration diagram

③ Max. distance 10.9m
② LED fixture max. 6.9m

| PSU DC24V | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | LED fixture | | LED fixture | Circuit 2 |

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-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

1/2 illuminance angle
80°
66°
131
32
14
8

1000
500
200
100
50
20
(lx)

3m 2 1 0 1 2 3
1 2 3 4
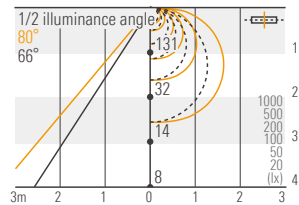
L-ELS7K1-098J(E)35-24

Light source color	3500K
Brightness	125 cd
Luminous flux	810 lm
Color rendering index	Ra 82

1/2 illuminance angle
80°
66°
125
31
13
7

1000
500
200
100
50
20
(lx)

3m 2 1 0 1 2 3
1 2 3 4
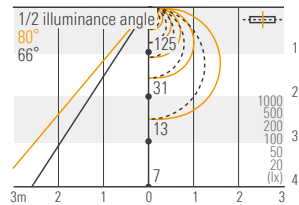
L-ELS7K1-098J(E)30-24

Light source color	3000K
Brightness	122 cd
Luminous flux	790 lm
Color rendering index	Ra 82

1/2 illuminance angle
80°
66°
122
30
13
7

1000
500
200
100
50
20
(lx)

3m 2 1 0 1 2 3
1 2 3 4
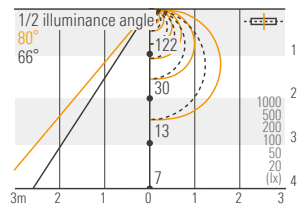
L-ELS7K1-098J(E)27-24

Light source color	2700K
Brightness	120 cd
Luminous flux	780 lm
Color rendering index	Ra 82

1/2 illuminance angle
80°
66°
120
30
13
7

1000
500
200
100
50
20
(lx)

3m 2 1 0 1 2 3
1 2 3 4

L-ELR9K2
LEDs Line Hi IP67

Linear light with UV protected semi diffused polycarbonate cover

Application
Ideal for directing light on lines on the outside wall.

FACADE

Sapporo PARCO
Location: JAPAN

HOTEL BAR GRANTiOS
Location: JAPAN
Architect office: Plus F

Pacific Royal Court Minato Mirai
Location: JAPAN

LEDs Line Hi IP67

Outdoor

Rigid light

L-ELR9K2

EFRO IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

MADE IN JAPAN

IP67 linear lighting

LEDs Line Hi meet IP67 so that can be used as in a harsh environment such as under steps in a landscape area.

UV protected, semi diffused LED

Also, ideal for exposed line light on the outside wall. By applying ultraviolet deterioration prevention paint on the surface of LEDs Line Hi, it can be installed in places where direct sunlight strikes it. Semi diffused cover is maintaining high luminance for easy recognition when seeing it from a distance. However, if you look at it from a distance far, it looks like a single continuous line.

12 kinds of length variation

120 mm increments,
min.140mm and max. 1460 mm can be used for complicated shape installation.

Max. connectable length is 6.9 m

Recommended where the power supply installation location and the light fixture location are apart from each other.

4 Color variations

4000K, 3500K, 3000K, 2700K

Easy dimming with 24 VDC low voltage power supply

Dimmable by any signal such as 0 - 10 V, DMX, DALI, etc, if you use an adaptive dimming driver, with simple wiring. Ideal for dimming the whole in synchronization. Although it is unsuitable for design that requires individual control.

High efficiency LED, 100 lm/W

Achieved 7.7 W/m, 780 lm/m and 101.3 lm/W using Nichia high efficiency LED package.

Advanced waterproofing function design

IP67 connector (Japanese brand)

Heatproof fluororesin cable covered with weather resistance cover

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

| 0mm | 50mm | 100mm | 200mm | 300mm |

✳ mm

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		014 086 026 098 038 110 050 122 062 134 074 146	J : Both ends lead wire E : One end lead wire	40 : 4000K 35 : 3500K 30 : 3000K 27 : 2700K

Light Intensity   Refer to P.173

L-ELR9K2-098J(E)27M-24

1/2 illuminance angle
68°
62°
197
49
21
12

1000
500
200
100
50
20
(lx)

3m 2 1 0 1 2 3

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

Light source color					
40	4000K	Ra 83	○ 480 lm	○ 960 lm	○ 1440 lm
35	3500K	Ra 83	○ 480 lm	○ 960 lm	○ 1440 lm
30	3000K	Ra 83	○ 480 lm	○ 960 lm	○ 1440 lm
27	2700K	Ra 83	○ 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	6.9m
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	❶Clip ❷Power supply cable ❸Joint cable
Dimmable	○
Power Supplies	Required
COO	Japan

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

External dimentions

Both ends lead wire

Front view

Cross section view

25.8 100 L±3 100

13.8
14.6

One end lead wire

Front view

Cross section view

25.8 100 L±3

13.8
14.6

Prohibited installation places:

- water directly fall on or pooled
- liquids including chroline or chemicals fall on
- 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.

LEDs Line Hi IP67

Cross sectional view

14.4

23.8

❶

Option parts

❶ Mounting clip for LEDs Line Hi IP67 `Attachment`

Model No : ELR2-F

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

Ø3.2
10
8
23.8

Side view

14.4

❷ Power supply cable EPYC *mm `Required`

*(Length:mm)	500	1000	2000	4000
Model No.	EPYJ220-305-K	EPYJ220-310-K	EPYJ220-320-K	EPYJ220-340-K

Top view

4.3

(+ side)

(40)

4.6

Front view

20   L   16.5   6.7

⚠ Check the label on the DC + side for polarity.

❸ 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

4.6

25.8   L   16.5   6.7

LEDs Line Hi IP67

Clip installation

lamp

the protective paper of the double-sided tape

Mounting screw

Mounting clip

Screw hole of 4.2mm in diameter

❶ Mounting clip for LEDs Bar IP65 (ELR2-F) Attachment

LED

LED

Fix the clip between the two LEDs

Connector (Power source side)

Connector (Feed side)

Insert until it is locked

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

- 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.

⚠ 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.

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.

Cove lighting

Over 100

Over 40

Under 30

Sideways

Over 50

Under 35

Over 50

Sealed (the size is the same for both upward and downward)

Over 40

Over 30

※ unit of measure=mm

System configuration diagram

PSU DC24V

③ Max. distance 10.9m
② LED fixture max. 6.9m

LED fixture | LED fixture | LED fixture | Circuit 1

LED fixture | LED fixture | Circuit 2

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)

LEDs Line Hi IP67

Outdoor

Rigid light

L-ELR9K2

EFR10 IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

Illuminance data

ELR9K2
LEDs Line Hi 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	213 cd
Luminous flux	960 lm
Color rendering index	Ra 83
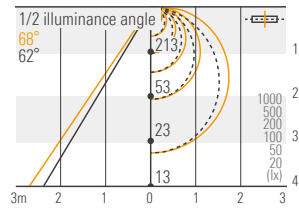
L-ELR9K2-098J(E)35M-24

Light source color	3500K
Brightness	210 cd
Luminous flux	960 lm
Color rendering index	Ra 83
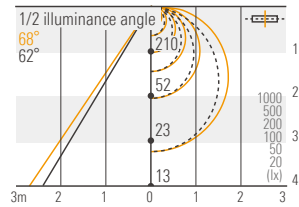
L-ELR9K2-098J(E)30M-24

Light source color	3000K
Brightness	202 cd
Luminous flux	960 lm
Color rendering index	Ra 83
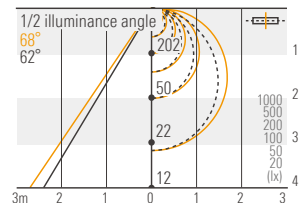
L-ELR9K2-098J(E)27M-24

Light source color	2700K
Brightness	197 cd
Luminous flux	930 lm
Color rendering index	Ra 83

L-ELR9K2
LEDs Line Hi IP67

Linear light with UV protected semi diffused polycarbonate cover

Application
Ideal for directing light on lines on the outside wall.

FACADE

Sapporo PARCO
Location: JAPAN

HOTEL BAR GRANTiOS
Location: JAPAN
Architect office: Plus F

Pacific Royal Court Minato Mirai
Location: JAPAN

Outdoor

Rigid light

L-ELR9K2

EFR0 IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

MADE IN JAPAN

IP67 linear lighting

LEDs Line Hi meet IP67 so that can be used as in a harsh environment such as under steps in a landscape area.

UV protected, semi diffused LED

Also, ideal for exposed line light on the outside wall. By applying ultraviolet deterioration prevention paint on the surface of LEDs Line Hi, it can be installed in places where direct sunlight strikes it. Semi diffused cover is maintaining high luminance for easy recognition when seeing it from a distance. However, if you look at it from a distance far, it looks like a single continuous line.

12 kinds of length variation

120 mm increments,
min.140mm and max. 1460 mm can be used for complicated shape installation.

Max. connectable length is 6.9 m

Recommended where the power supply installation location and the light fixture location are apart from each other.

4 Color variations

4000K, 3500K, 3000K, 2700K

Easy dimming with 24 VDC low voltage power supply

Dimmable by any signal such as 0 - 10 V, DMX, DALI, etc, if you use an adaptive dimming driver, with simple wiring. Ideal for dimming the whole in synchronization. Although it is unsuitable for design that requires individual control.

High efficiency LED, 100 lm/W

Achieved 7.7 W/m, 780 lm/m and 101.3 lm/W using Nichia high efficiency LED package.

Advanced waterproofing function design

IP67 connector (Japanese brand)

Heatproof fluororesin cable covered with weather resistance cover

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

| 0mm | 50mm | 100mm | 200mm | 300mm |

＊ mm

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		014 086 026 098 038 110 050 122 062 134 074 146	J : Both ends lead wire E : One end lead wire	40 : 4000K 35 : 3500K 30 : 3000K 27 : 2700K

Light Intensity   Refer to P.173

L-ELR9K2-098J(E)27M-24

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

Light source color			050	098	146
40	4000K	Ra 83	○ 480 lm	○ 960 lm	○ 1440 lm
35	3500K	Ra 83	○ 480 lm	○ 960 lm	○ 1440 lm
30	3000K	Ra 83	○ 480 lm	○ 960 lm	○ 1440 lm
27	2700K	Ra 83	○ 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	6.9m
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	❶Clip ❷Power supply cable ❸Joint cable
Dimmable	○
Power Supplies	Required
COO	Japan

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

External dimentions

Both ends lead wire

Front view   Cross section view

25.8 100   L±3   100   14.6   13.8

One end lead wire

Front view   Cross section view

25.8 100   L±3   14.6   13.8

Prohibited installation places:

- water directly fall on or pooled
- liquids including chroline or chemicals fall on
- 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.

Outdoor

Rigid light

L-ELR9K2

EFR10 IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

LEDs Line Hi IP67

Cross sectional view

14.4

23.8

①

Option parts

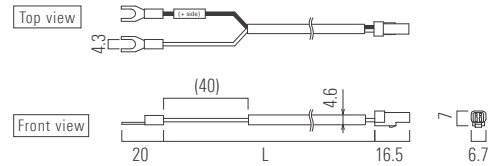① Mounting clip for LEDs Line Hi IP67 Attachment

Model No : ELR2-F

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

10

Ø3.2

8

23.8

Side view

14.4

---

② Power supply cable EPYC *mm Required

*(Length:mm)	500	1000	2000	4000
Model No.	EPYJ220-305-K	EPYJ220-310-K	EPYJ220-320-K	EPYJ220-340-K

Top view

4.3

(+ side)

(40)

Front view

4.6

20   L   16.5   6.7

7

⚠ 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

4.6

25.8   L   16.5   6.7

7

LEDs Line Hi IP67

Clip installation

lamp

the protective paper of the double-sided tape

Mounting screw

Mounting clip

Screw hole of 4.2mm in diameter

❶ Mounting clip for LEDs Bar IP65 (ELR2-F) **Attachment**

LED

LED

Fix the clip between the two LEDs

Connector (Power source side)

Connector (Feed side)

Insert until it is locked

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.

| Cove lighting | Sideways | Sealed (the size is the same for both upward and downward) |

Cove lighting
Over 100
Over 40
Under 30

Sideways
Over 50
Over 50
Under 35

Over 40
Over 30

※ unit of measure=mm

System configuration diagram

③ Max. distance 10.9m
② LED fixture max. 6.9m

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |
| LED fixture | | LED fixture | Circuit 2 |

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)

Outdoor

Rigid light

L-ELR9K2

ELR10 IP65

Power LEDs Line IP65

LEDs Bar IP65

LEDs Line Hi IP67

Illuminance data

ELR9K2
LEDs Line Hi 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
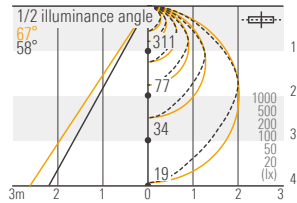
LFU
Luci UQ FLEX IP67 Renewal

Robust dotless flexible linear light provides you an infinite imagination of facade lighting

Victoria Theater
Lighting design: Lighting Planners Associates
Photo: Lighting Planners Associates

Ideal for
Outdoor facade,

Outdoor indirect lighting,

Indoor indirect lightinglighting.

Galaxis / Location: Singapore, Client: Ascendas Fusion 5, Architect & Interior Designer: Aedas, Lighting design: Light Cibles

The city and Hudson / Lighting consultant: GREYMATTERS

The above statements are only part of the cautions for outdoor use of the product. Contact a sales representative when you consider using the product outdoors.
When the product is installed under any inappropriate condition, it is not covered by warranty.

Outdoor

Strip Light

LFU

UQ FLEX IP67

Power FLEX EX IP65

Power FLEX IP65

Flat FLEX F IP65

FLEX α F IP65

FLEX α KINU IP65

- Intensive brightness 1000 lm/M
- Customizable length up to 5 meter

Straight feed

Choice of mounting depends on installation area,
For the place close to eye level   For cove light

22

25.2
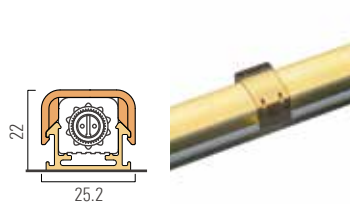
Straight feed cable,
short rail and polycarbonate clip

17

41.5
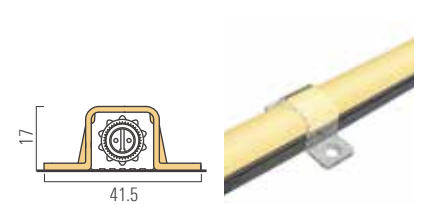
Straight feed cable and clip

Renewal point

The end cap of UQ FLEX are improved to smaller for reducing dark spot. Until the renewed model is released, the existing model listed in the 2018 vol.1 catalogue will continue. Please contact our sales for further details.

Model in 2018 catalog

Coming soon

LFU

Luci UQ FLEX α IP67

Side bend type will be added in UQ FLEX Series.

(Provisional specification)
 - W 10mm x H 20m, 400 lm/m in 17W/m
 - Body: Sylicon, Cable: Sylicon, IP68 connector
 - Monting clip and bendable mounting rail for curved installation

Please contact Luci sales representative for further information.

Luci UQ FLEX IP67

LFU Release in 1Q 2020

Color management
MacAdam 3 step (C E

- Fully dot-free flexible strip
- IP67, max custom length 2m for outdoor usage, 5m for indoor usage with clip
- 15.8W/m, 12W/m, 8W/m type

Model No.

LFU - T☐☐☐☐ ☐ S - ☐ - DF - O - ☐

Product Name	-	Length	Lead wire	-	Light source color	-	Tube type	-	Wattage
LFU		Refer to Custom order length	W: Both ends / 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		15 : 15.8 W/m / 12 : 12.1 Wm / 8 : 8 W/m

Lead wire
S : Straight feed

Environment
O : Outdoor

Light Intensity Refer to P.181

LFU-T1000*S-L27-DF-O-15

1/2 illuminance angle
66°
64°
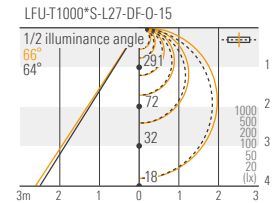
Specification

Model No.	LFU-T1000S/W S-☐-DF-O-15	LFU-T1000S/W S-☐-DF-O-12	LFU-T1000S/W S-☐-DF-O-8
Power consumption	15.8 W/m	12 W/m	8 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)	65.5 lm/W	65.5 lm/W	65.5 lm/W

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

D	6500K	-	*	-	*	-	*	-
N	5300K	-	*	-	*	-	*	-
W	4200K	Ra 84	○	1079 lm	○	852 lm	○	587 lm
WW	3500K	-	*	-	*	-	*	-
L30	3000K	Ra 82	○	1060 lm	○	837 lm	○	576 lm
L27	2700K	Ra 80	○	983 lm	○	776 lm	○	535 lm
L24	2400K	Ra 80	○	954 lm	○	753 lm	○	519 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	Outdoors (no condensation) IP67
Max. length	5m(using indoor), 2m(using outdoor)
Max. length Per circuit	10m
Min. bending range	R150mm
Material (body)	Silicon
Attachments	❷ Mounting clip
Option parts	❶ Mounting rail ❷ Mounting clip ❸ ❹ Hold Clip ❺ Power supply cable ❻ Joint cable
Certification	CE
Dimmable	○
Power Supplies	Required

Luci UQ FLEX IP67 (15.8 W/m, 12.1 W/m, 8 W/m)

Corresponds to Length of Model No. and External dimensions

0100	0600	1100	1600	2100	2600	3100	3600	4100	4600
0200	0700	1200	1700	2200	2700	3200	3700	4200	4700
0300	0800	1300	1800	2300	2800	3300	3800	4300	4800
0400	0900	1400	1900	2400	2900	3400	3900	4400	4900
0500	1000	1500	2000	2500	3000	3500	4000	4500	5000

Maximum custom order length

Usage environment	Install with ❶ Mounting rail	Install with ❷ Mounting clip
Outdoor	max 2m	
Indoor	max 2m	max 5m

External dimentions

Luci UQ FLEX IP67 / One end lead wire / Straight feed cable
(300)   Length+8±7
16
15   Length

Luci UQ FLEX IP67 / Both ends lead wire / Straight feed cable
(300)   Length+10±7   (300)
16
15   Length

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 fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

Cross sectional view when installing optional items

Straight installation	Straight / Curved installation

25.2 ... ③
22
①

25.2 ... ④
22
①

41.5
17
②
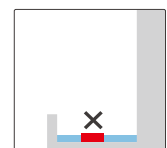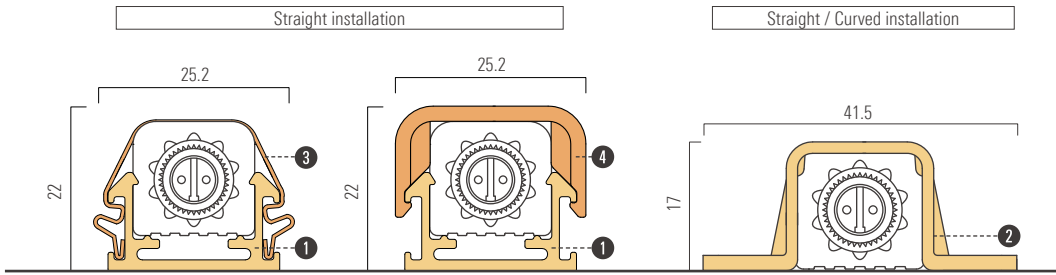
Option parts

① Aluminum Mounting Rail A Type 950 for UQ FLEX H13
Model No : LFU-RL0950-AL-A

top view

950±2

150　200　　　　　　　　200　150

front view
13
φ4.2
22.6

Number of holes : 4

* Specification may subject to change.

② Mounthing Clip for UQ FLEX `Attachment`
Model No : LFU-RC
Attached with LED fixture
for extra order, 5 pcs / bag

Length	~0.5m	~1m	~2m	~3m	~4m	~5m
pcs	2	3	5	7	9	11

top view
30
Screw hole : φ4.5
front view
15
17
41.5

③ SUS hold clip A for UQ FLEX AL rail
Model No : LFU-PT-A
5 pcs / bag
Recommended number
min. 3 pcs /m

For high rise building, secure to hold LED fixture in the mounting rail

front view
17.7
23.8
top view
8
2.5

④ PC hold clip B for UQ FLEX AL rail
Model No : LFU-PT-B
5 pcs / bag
Recommended number
min. 3 pcs /m

For the place close to eye level

front view　top view
15
14.7
25.2

⑤ Power supply cable 10M for UQ FLEX `Required`
Model No : CAD-V010M-FKNN-O
Connetctor cap (1 pc) is attached

10000±100
15　White : -
Black : +
16
M12　φ14.5
12.8

※ Connector cap is attached.

⑥ Joint cable 1M for UQ FLEX
Model No : CAD-1000-MKFK-O

1000±15

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	100W power supply
~4.4m	~5.8m	~8.7m	50W power supply
~6.6m	~8.7m	~13.1m*	150W power supply

Luci UQ FLEX IP67

Installing the product

Installation with Mounting Clip

Straight installation

Fix the mounting clip by 2 pcs of screws supplied by installer
(Pan head screw M4 recommended).

2 Mounthing Clip for UQ FLEX
(LFU-RC)
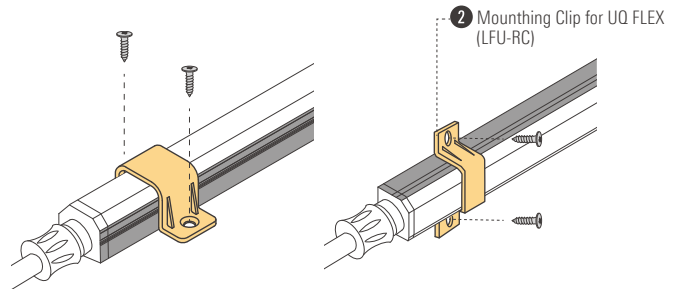
Curved installation

UQ FLEX can be installed in curved surface as below picture.
The minimum bending radius is 150 mm.
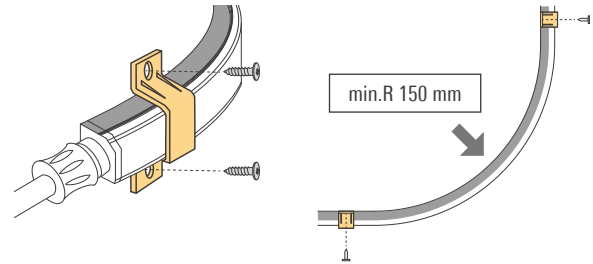
min.R 150 mm

Caution:

Do not bend the LED fixture to side direction.
If bend it wrongly, FPC (flexible printed circuit
board) will be damaged and the lighting fixture
will not turn on.

Do not twist the LED fixture as it will damage
and break the FPC (flexible printed circuit board
) and the lighting fixture will not turn on.

OK

NG
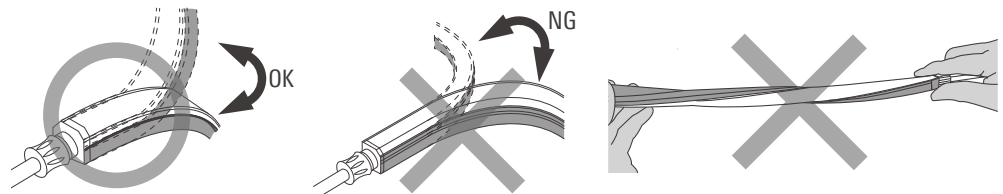
Mounting clips at both ends should be far from 50 mm or
more from the side cap.
Keep the distance between mounting clips the same.
(400 mm to 500 mm recommended)

eq   eq
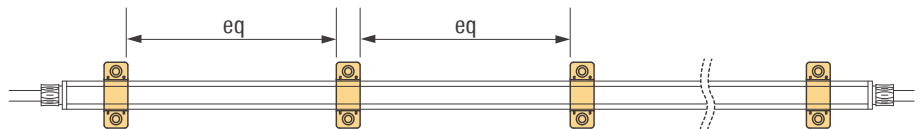
Length(mm)	100~500	600~1000	1100~2000	2100~3000	3100~4000	4100~5000
2 Mounthing Clip for UQ FLEX	2	3	5	7	9	11

*Maximum custom length when use Mounting clip for UQ FLEX is,
for outdoor usage: max. 2m
for indoor usage: max. 5m

Ensure the pin holes in the connectors are positioned correctly before
joining them. To fasten, rotate the metallic knobs until tightened
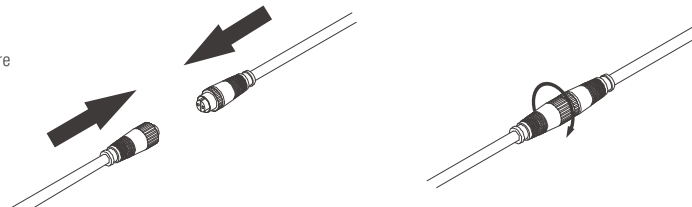
Caution:

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-FKNN-O). To fasten, rotate the metalic
knobs until tightend.

Installation with Mounting rail

Fix the aluminum rail by screws supplied by installer
(Pan head screw M4 recommended).

1 Aluminum Mounting Rail A Type 950 for UQ FLEX H13
(LFU-RL0950-AL-A)
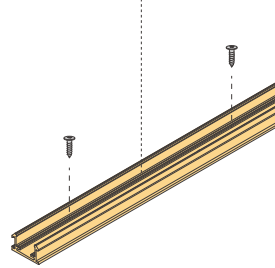
Hold one side of the lighting fixture and push on the other side,
the lamp will gradually enter the aluminum rail.

Caution:

Do not bend the LED fixture to side direction.
If bend it wrongly, FPC (flexible printed circuit
board) will be damaged and the lighting fixture
will not turn on.
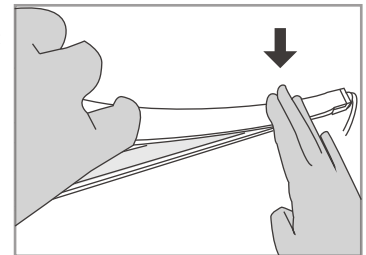
Push the SUS hold clip (LFU-PT-A) or PC hold clip (LFU-PT-B) until click sound and
make sure it is securely locked. SUS hold clip is recommended in the environment
where requires the durability.
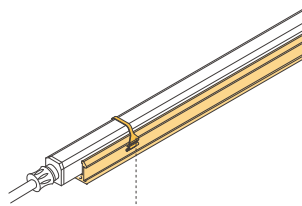
3 SUS hold clip A for UQ FLEX AL rail
(LFU-PT-A)
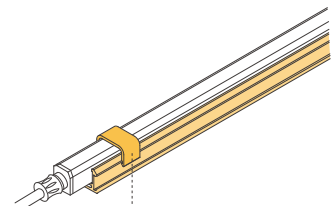
4 PC hold clip B for UQ FLEX AL rail
(LFU-PT-B)

Length(mm)	100~500	600~1000	1100~2000
3 SUS hold clip A for UQ FLEX AL rail **4** PC hold clip B for UQ FLEX AL rail	2	3	5

*Maximum custom length when use Aluminium rail for UQ FLEX is 2m.

Aluminum rail cut

The aluminium rail A type (LFU-RL0950-AL-A) can be cut according to the length of lighting fixture.
Aluminum rail mounting holes can also be made at the site by the installer.

Luci UQ FLEX IP67
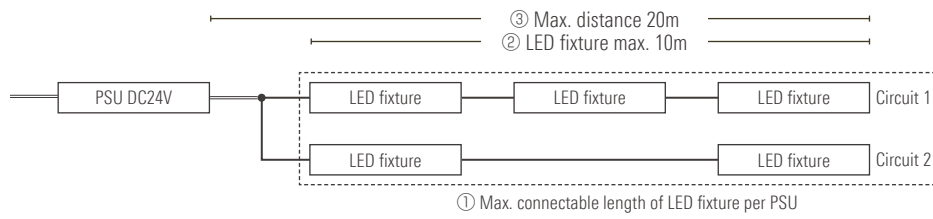
③ Max. distance 20m
② LED fixture max. 10m

| PSU DC24V | → | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | | LED fixture | | LED fixture | Circuit 2 |

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)

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	100W power supply
～4.4m	～5.8m	～8.7m	50W power supply
～6.6m	～8.7m	～13.1m*	150W power supply

Illuminance data

LFU
Luci UQ FLEX IP67

Color temparature

4200K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

LFU-T1000**-W-DF-O-15

Light source color	4200K
Brightness	320 cd
Luminous flux	1079 lm
Color rendering index	Ra 84

1/2 illuminance angle
66°
64°
320
85
35
20
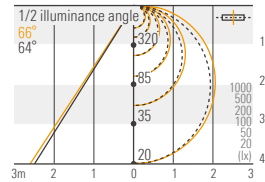
LFU-T1000**-L30-DF-O-15

Light source color	3000K
Brightness	314 cd
Luminous flux	1060 lm
Color rendering index	Ra 82

1/2 illuminance angle
66°
64°
314
78
34
19
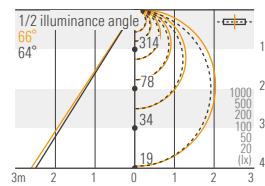
LFU-T1000**-L27-DF-O-15

Light source color	2700K
Brightness	291 cd
Luminous flux	983 lm
Color rendering index	Ra 80

1/2 illuminance angle
66°
64°
291
72
32
18
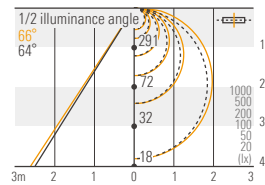
LFU-T1000**-L24-DF-O-15

Light source color	2400K
Brightness	283 cd
Luminous flux	954 lm
Color rendering index	Ra 80

1/2 illuminance angle
69°
65°
283
70
31
17
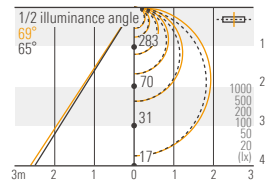
Recommendend dimensions and illumination distribuitions
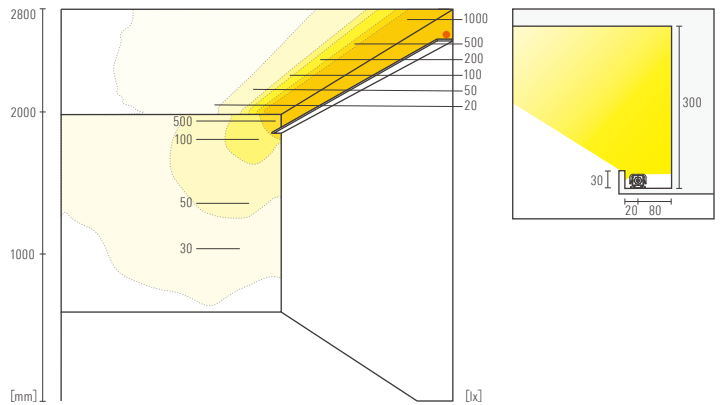
CH=5000

Cove lighting CH=5000

Distance from wall

0mm   50mm   100mm   150mm   200mm   300mm
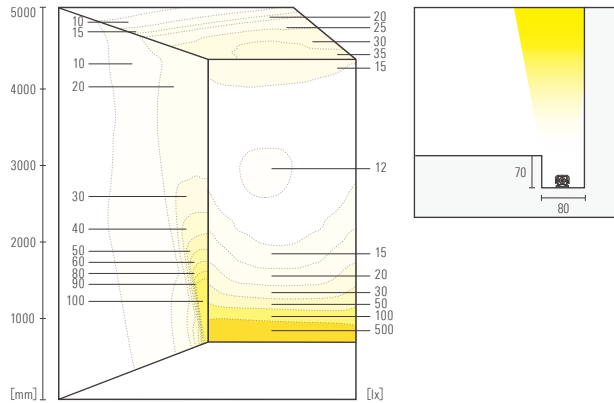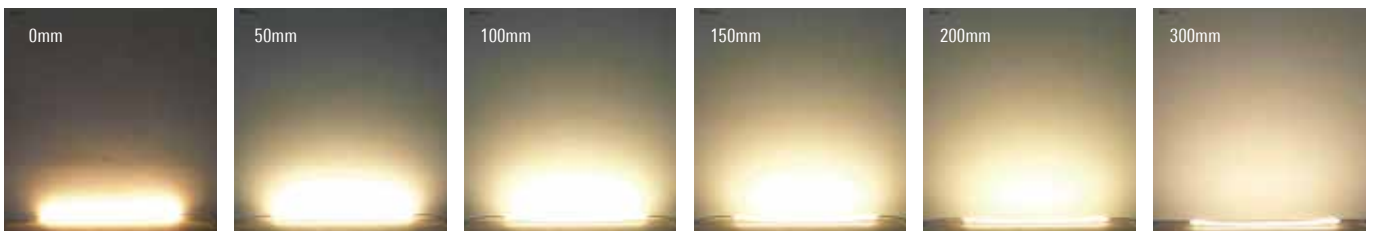
LFPEX / LFP / LFTF / LFXF
Luci FLEX IP65 series

National Art Gallery
Location: Singapore
Architect office: Studio Milou Singapore, CPG Corporation Pte Ltd
Lighting design, Photo: Lighting Planners Associates

The Prince Gallery Tokyo Kioicho 1/4
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

Panorama
Location: Singapore
Photo: Robert Such

Kanazawa Tokyu Hotel
Location: Japan
Owner: TOKYU HOTELS CO.,LTD.
Architect office: ILYA Corporation
Lighiting Design: sola associates
Construction: Tokyu Construction Co.,Ltd.
Photo:Nacasa & Partners Inc.

LFPEX / LFP / LFTF / LFXF

Luci FLEX IP65 series

3 years warranty

Soft acrylic tube

Good heat dissipation comes the non-fully encapsulated structure.

IPX7 connector made by Japanese company

Special sealing material and treatment with primer strongly fix the tube and cable with high airtightness to prevent water intrusion.
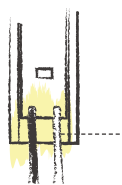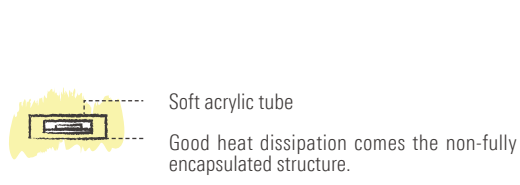
Top bend

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 lightpowder room

Mirror light for powder room

Side bend

Handrail

Under bench / steps
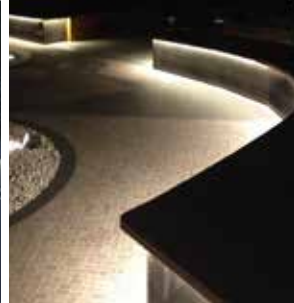
Side bend

Luci FLEX α KINU IP65 New

- Semi-diffused, emitting a more dot-free light effect
- IP65 with improved waterproofing structure
- 4 Color variations (4200K, 3000K, 2700K, 2400K), 4.8W/m, 46.5lm/W in 2700K
- Customized length availability up to 5 m (50 mm increment)
  Long wiring maxmum 80 m is possible (VCTF 0.75 sq)
- Landscape optimized installation:bendable rails to cater curve installation,
  neater & compact wiring system in the rail

Semi-diffused

Compared with normal FLEX α,
KINU can emit more dot-free light.
When looking up the stairs etc,
there is no light of the dot,
and you can direct a space
with a more luxurious feeling.

FLEX α KINU

FLEX α F milky tube

FLEX α F clear tube

IP65 with improved waterproof structure

3 step barrier by special glue

metal nut waterproof connector

Coated circuit board
for prevention against humidity

Fuse on circuit board
against unexpected over current
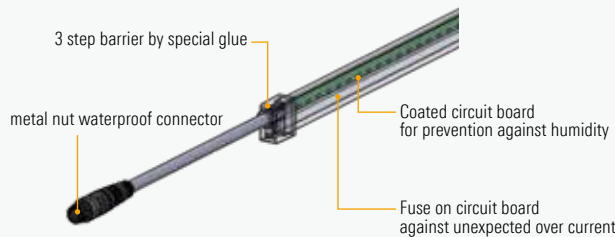
Landscape optimized installation

Designed to solve various problems occurring
during construction depending
on the bending rails of aluminum.
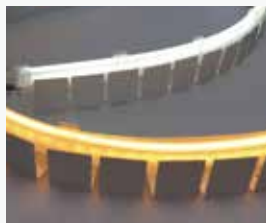
Bending Rail attachable to a curve

The aluminum rail can pass the wiring
for another system inside

easy installation by mounting clip

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
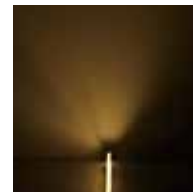
Product Series	Series code	Wattage/m	Lumen/m	CRI	Custom order		
			Warm white 2700K			Max. length	Diffser Tube
Luci Power FLEX EX IP65 LFPEX P.186	LFPEX15	18.2 W/m	1496 lm/m	Ra 93		3.5m	
	LFPEX20	12.1 W/m	1016 lm/m	Ra 92			
	LFPEX30(9.5W)	9.5 W/m	695 lm/m	Ra 92	○ P.189	5m	N/A
	LFPEX30(6.5W)	6.5 W/m	516 lm/m	Ra 92			
	LFPEX30(4.5W)	4.5 W/m	371 lm/m	Ra 92			
Luci Power FLEX IP65 LFP P.190	LFP15	15.4 W/m	790 lm/m	Ra 90	○ P.193	4.5m	○
	LFP20	10.5 W/m	563 lm/m			5m	
Luci Flat FLEX IP65 LFTF P.194	LFTF10	3.9 W/m	282 lm/m	Ra 87	○ P.197	5m	○
	LFTF16	2.5 W/m	176 lm/m				
Luci FLEX α IP65 LFXF P.198	LFXF10	3.9 W/m	252 lm/m	Ra 71	○ P.201	5m	○
Luci FLEX α KINU IP65 LFXK P.202	LFXK	4.8 W/m	223 lm/m	Ra 87	○ P.202	5m	○

Top bend

Side bend

LFPEX-O

- Flexible strip covered with soft acrylic tube
- Customized length available up to 3.5m(LFPEX15), 5m(LFPEX20/30)
- 5 types of wattage and lumen output in 3 kinds of LED pitch

Model No.

LFPEX☐☐ -T1000W- ☐ - CL - O -☐

Product Name / LED pitch	Length	Light source color	Tube type	Environment	Wattage
LFPEX15 : 15mm pitch	Custom order length P.189	N : Natural white	CL : Clear	O : Outdoors	only for LFPEX30
LFPEX20 : 20mm pitch		W : White			9 : 9.5W
LFPEX30 : 30mm pitch		WW : Warm white 3500K			6 : 6.5W
		L30 : Warm white 3000K			4 : 4.5W
		L27 : Warm white 2700K			
		L24 : Warm white 2400K			
		L21 : Warm white 2100K			
		L19 : Warm white 1900K			

Light Intensity Refer to P.116

LFPEX15-T1000W-L27-CL-O

1/2 illuminance angle
65°
65°

Specification @ Clear cover

LED pitch	15mm pitch	20mm pitch	30mm pitch		
Model No.	LFPEX15-T1000W-☐-CL-O	LFPEX20-T1000W-☐-CL-O	LFPEX30-T1000W-☐-CL-O-9	LFPEX30-T1000W-☐-CL-O-6	LFPEX30-1000-☐-CL-O-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	In/Outdoor (no condensation) IP65
Max. length per circuit	5m (15mm pitch : 3.5m)
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	❶❷❸Mounting rail ❹❺Mounting clip ❻Power supply cable
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

top view   side view

15
16.5 185   Fitting length   185   25.8   4.5

Prohibited installation places:
- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- 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.

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits					Power supply
15mm pitch	20mm pitch	30mm pitch			
		9.5W	6.5W	4.5W	
～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

Luci Power FLEX EX IP65

Cross sectional view when installing optional items

| Straight installation | Straight installation by 45 degree rail | Straight installation | Curved installation |

10.2 21.2
pan head screw M3

25.1 24.5 29.5
pan head screw M3

10.6 18.5
pan head screw M3

6 37
pan head screw M3

Option parts

❶ Mounting rail 1000 for Power FLEX
Model No : LFP-RL1000
❺ Mounting clip for rail (5pcs) is included.

8 970±2 42.5 200 200 85 200 200 42.5
18.4
Screw hole : φ4

❷ 45° Mounting rail 1000 for Power FLEX New
Model No : LFP-45RL1000
❺ Mounting clip for rail (5pcs) is included.

22.8 14.2 26.5 5.1 21.9 27 (18.4) 970±2 42.5 200 200 85 200 200 42.5
Screw hole : φ4

❸ Aluminum mounting rail 1000 for Power FLEX New
Model No : LFP-RL1000-AL

10.6 970±2 50 435 435 50
18.5
Screw hole : φ4

❹ Mounting clip for Power FLEX
Model No : LFP-RC
5 pcs / bag
For curved installation

37 10 6 10
Screw hole : φ4.5

❺ Mounting clip for rail Attachments for ❶ & ❷
Model No : LFP-PT
For extra order, 5 pcs / bag

21.2 7.5 9.8 7.5

❻ 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.

8.1 25.8 3000±20 16.5 1.5/5.5 7.0 6.7

Luci Power FLEX EX IP65

Installing the product

Straight installation

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

③ Aluminum mounting rail 1000 for Power FLEX
(LFP-RL1000-AL)

Pan head screws M3 recommended.

Cove lighting

⑤ 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

② 45° Mounting rail 1000 for Power FLEX **NEW**
(LFP-45RL1000)

Pan head screws M3 recommended.

Cove lighting

⑤ 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

④ Mounting clip for Power FLEX
(LFP-RC)

Pan head screws M3 recommended.

Minimum bending radius

R50mm

System configuration diagram

③ Max. distance 10m
② LED fixture max. 5m (15mm pitch : 3.5m)

PSU DC24V

| LED fixture | LED fixture | LED fixture | Circuit 1 |
| LED fixture | | LED fixture | Circuit 2 |

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)

Luci Power FLEX EX IP65

Outdoor

Strip Light

LFPEX-O

UO FLEX IP67

Power FLEX EX IP65

Power FLEX IP65

Flat FLEX F IP65

FLEX α F IP65

FLEX α KINU IP65

Luci Power FLEX EX IP65 -Custom order-

Model No.

LFPEX☐☐- T☐☐☐☐ ☐ - ☐ - CL - O - ☐

LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment	Wattage

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

W	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
- O — Outdoors

Wattage
only for LFPEX30
- 9 — 9.5W
- 6 — 6.5W
- 4 — 4.5W

LFPEX -T S- - CL - O

External dimension

Luci Power FLEX EX IP65 / W Both ends lead wire

LFPEX ☐☐ -T☐☐☐☐W- ☐ - CL -O- ☐
Pitch Length Color Wattage

15
16.5 185 | Length | Length +11 | 185 25.8

LFPEX -T W- - CL - I - ☐

Luci Power FLEX EX IP65 / S One end lead wire

LFPEX ☐☐ -T☐☐☐☐S- ☐ - CL -O- ☐
Pitch Length Color Wattage

15
| Length | Length +11 | 185 25.8

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

Custom order products size

Luci Power FLEX EX IP65 15mm pitch (18.2 W/m)				
Corresponds to Length of Model No. and External dimensions				
0083	1082	2080	3078	
0166	1165	2163	3162	
0250	1248	2246	3245	
0333	1331	2330	3328	
0416	1414	2413	3411	
0499	1498	2496	3494	
0582	1581	2579		
0666	1664	2662		
0749	1747	2746		
0832	1830	2829		
0915	1914	2912		
1000	2000	3000		

Luci Power FLEX EX IP65 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 IP65 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

Direct horizontal surface light intensity distribution chart   P.116

Luci Power FLEX IP65

LFP-O

- 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 ☐☐ -T1000W- ☐ - ☐ - O

Product Name / LED pitch	Length	Light source color	Tube type	Environment

LFP15 : 15mm pitch
LFP20 : 20mm pitch

T0900W
T1000W

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

Luci Power FLEX IP65
Custom order length > P.193

Light Intensity   Refer to P.126

LFP15-T1000W-L27-CL-O

65°
260
65
29
16

3m 2 1 0 1 2 3m

200
100
50
20
10

1
2
3
4
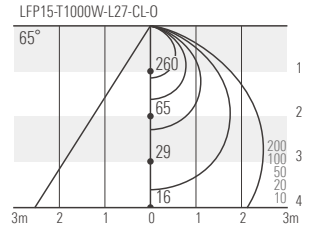
Specification @ Clear cover

LED pitch	15mm pitch	20mm pitch
Model No.	LFP15-T1000W-☐-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	Ra 90	✳ 875 lm		✳ 698 lm
N	5300K	Ra 90	✳ 875 lm		✳ 639 lm
W	4200K	Ra 90	○ 818 lm		○ 667 lm
WW	3500K	Ra 90	○ 774 lm		○ 639 lm
L30	3000K	Ra 90	○ 710 lm		○ 579 lm
L27	2700K	Ra 90	○ 711 lm		○ 563 lm
L24	2400K	Ra 90	○ 608 lm		○ 459 lm
L19	1900K	Ra 70	✳ –		✳ 512 lm
B	–		✳ –	-	✳ –

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	In & Outdoors (no condensation)
Max. length per circuit	15 mm pitch : 4.5m 20 mm pitch : 5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	❶❷❸❹Mounting rail ❺❻Mounting clip ❼Power supply cable
Certification	CE
Dimmable	○
Power Supplies	Required

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits		Power supply
15mm pitch	20mm pitch	
～2.2m	～3.3m	50W power supply
～4.5m	～6.6m*	100W power supply
～6.8m*	～10m*	150W power supply

External dimentions

15mm pitch   top view   side view

15
911   190   4.5
15

20mm pitch   top view   side view

20
1011   190   4.5
15

Cross sectional view when installing optional items

Straight installation

6

10.2

pan head screw M3

21.2

1　2

Straight installation by 45 degree rail

6

25.1

3

24.5
29.5

pan head screw M3

Straight installation

4

10.6

pan head screw M3

18.5

Curved installation

5

6

37

pan head screw M3
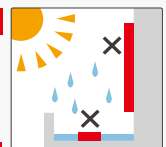
Option parts

1 Mounting rail 1000 for Power FLEX
Model No : LFP-RL1000
6 Mounting clip for rail (5pcs) is included.

8
18.4
970±2
42.5　200　200　85　200　200　42.5
Screw hole : φ4

2 Mounting rail 900 for Power FLEX
Model No : LFP-RL0900
6 Mounting clip for rail (5pcs) is included.

8
18.4
853±2
42.5　170　170　88　170　170　42.5
Screw hole : φ4

3 45° Mounting rail 1000 for Power FLEX
Model No : LFP-45RL1000
6 Mounting clip for rail (5pcs) is included.

22.8
14.2
26.5
21.9
27
(18.4)
970±2
42.5　200　200　85　200　200　42.5
Screw hole : φ4

4 Aluminum mounting rail 1000 for Power FLEX
Model No : LFP-RL1000-AL

10.6
18.5
970±2
50　435　435　50
Screw hole : φ4

5 Mounting clip for Power FLEX
Model No : LFP-RC
5 pcs / bag
For curved installation

6
37　10
10
Screw hole : φ4.5

6 Mounting clip for rail　Attachments for **1** & **2** & **3**
Model No : LFP-PT
For extra order, 5 pcs / bag

21.2　7.5
9.8
7.5

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.

8.1　25.8　3000±20　16.5　1.5/5.5
7.0　6.7

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

R50mm

System configuration diagram

③ Max. distance 20m
② LED fixture max. 4.5m/15mm pitch, 5m / 20mm pitch

| PSU DC24V | | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | | LED fixture | | LED fixture | Circuit 2 |

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)

Luci Power FLEX IP65

Outdoor
Strip Light
LFP-O
U0 FLEX IP67   Power FLEX EX IP65   Power FLEX IP65   Flat FLEX F IP65   FLEX α F IP65   FLEX α KINU IP65

Luci Power FLEX IP65 -Custom order-

Model No.

LFP☐☐ - T☐☐☐☐ ☐ - ☐ - ☐ - O

LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment

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

15
190   Length   190
Length +11
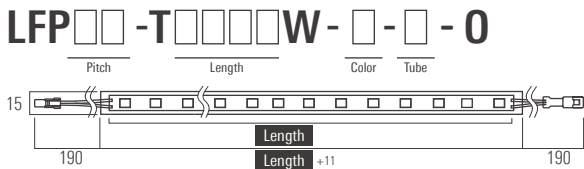
Luci Power FLEX IP65 / S One end lead wire
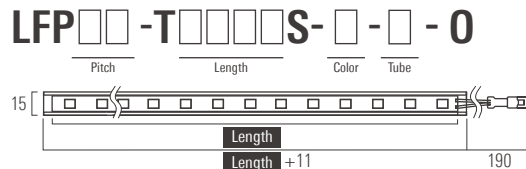
LFP☐☐ -T☐☐☐☐S- ☐-☐- O
Pitch / Length / Color / Tube

15
190   Length
Length +11   190

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

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

Direct horizonal surface light intensity distribution chart   P.126

Luci Flat FLEX F IP65

LFTF-O

Color management ANSI BIN	CE	3 years warranty

- Customized length available up to 5m per roll
- 2 types of wattage and LED pitch: 3.9W/m (LFT10), 2.5W/m(LFT16)
- Covered with soft acrylic tube

Model No.

LFTF ☐☐ -T1000W- ☐ - ☐ - O

Product Name / LED pitch	Length	Light source color	Tube type	Environment
LFTF10 : 10mm pitch LFTF16 : 16mm pitch	Custom order length P.197	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.136

LFTF10-T1000W-L27-CL-O

1/2 illuminance angle 65°

LFTF16-T1000W-L27-CL-O

1/2 illuminance angle 67°

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
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	＊ - lm
N	5300K	Ra 94	＊ 329 lm*	＊ - lm
W	4200K	Ra 90	＊ 294 lm	＊ - lm
WW	3500K	Ra 90	＊ 305 lm	＊ - 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	–	– - lm	– - lm

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	In & Outdoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	❶Mounting rail ❷❸Mounting clip ❹Power supply cable
Certification	CE
Dimmable	○
Power Supplies	Required

External dimentions

10mm pitch top view   side view

10.4
1010   190   4

16mm pitch top view   side view

16.7
1010   190   4

Max. connectable length per power supply

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

Prohibited installation places:
- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- 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

9.8

❸

❶

16.4

pan head screw M3

Curved installation

❷

6

29

pan head screw M3

Option parts

❶ Mounting rail 1000 for Flat FLEX

Model No : LFT-RL1000

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

7.5±0.2   970±2

13.4   42.5   200   200   85   200   200   42.5

Screw hole : φ 3.5

❷ Mounting clip for Flat FLEX

Model No : LFT-RC

10 pcs / bag

For curved installation   Screw hole : φ 4.5   10

9.5

9.5

6   29   1.5

❸ Mounting clip for rail   ❶ Attachment

Model No : LFT-PT

For extra order, 5 pcs / bag

16.4   7.5

9.3

7.5

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.

8.1   25.8   3000±20   16.5   1.5/5.5

7.0   6.7

Luci Flat FLEX F IP65

Straight installation

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

Pan head screws M3 recommended.

Cove lighting

5

5 Mounting clip for rail
(LFT-PT)

Cornice lighting

5

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

Curved installation
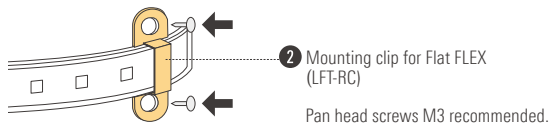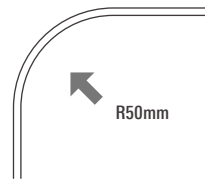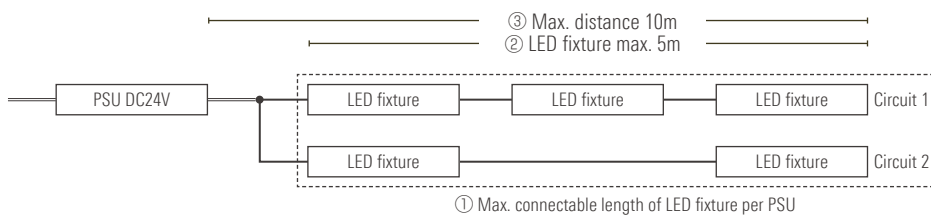
2 Mounting clip for Flat FLEX
(LFT-RC)

Pan head screws M3 recommended.

Minimum bending radius

R50mm

System configuration diagram

③ Max. distance 10m
② LED fixture max. 5m

| PSU DC24V | | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | | LED fixture | | LED fixture | Circuit 2 |

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)

Luci Flat FLEX F IP65

Outdoor

Strip Light

LFTF-O

U0 FLEX IP67

Power FLEX EX IP65

Power FLEX IP65

Flat FLEX F IP65

FLEX α IP65

FLEX α KINU IP65

Luci Flat FLEX F IP65 -Custom order-

Model No.

LFTF☐☐ - T☐☐☐☐   ☐ -   ☐   -   ☐ - O

LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment

LED Pitch

| 10 | 10mm Pitch |
| 16 | 16mm 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

Tube type

| CL | Clear |
| DF | Diffuser |

Environment

| O | Outdoor |

External dimension

Luci Flat FLEX F IP65 / **W** Both ends lead wire

LFTF☐☐ -T☐☐☐☐W- ☐ - ☐ - O
  Pitch   Length   Color Tube

10 [...Length... Length +10 ... 190]

Luci Flat FLEX F IP65 / **S** One end lead wire
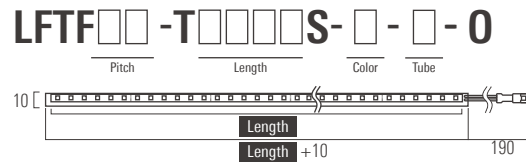
LFTF☐☐ -T☐☐☐☐S- ☐ - ☐ - O
  Pitch   Length   Color Tube

10 [...Length... Length +10 ... 190]

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

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

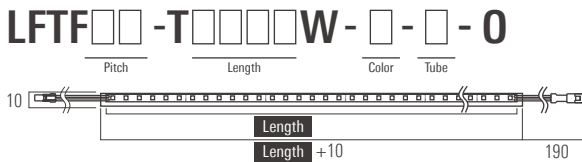| Luci Flat FLEX F IP65 16mm pitch (2.5 W/m)				
Corresponds to **Length** of Model No. and External dimensions				
0100	1100	2100	3100	4100
0200	1200	2200	3200	4200
0300	1300	2300	3300	4300
0400	1400	2400	3400	4400
0500	1500	2500	3500	4500
0600	1600	2600	3600	4600
0700	1700	2700	3700	4700
0800	1800	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%.ÐThe 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.136

Luci FLEX α F IP65

LFXF-O

Color management
ANSI BIN

CE

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.

LFXF10 **-T1000W-** ▢ **-** ▢ **-** **O**

Product Name / LED pitch	-	Length	-	Light source color	-	Tube type	-	Environment

| LFXF10 | Custom order length P.201 | 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.146

LFXF10-T1000W-L27-CL-O

Specification @ Clear cover

LED pitch	10mm pitch
Model No.	LFXF10-T1000W-▢-CL-O
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.

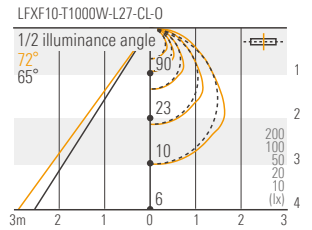|				
D	7100K	Ra 74	✳	311 lm*
N	5300K			-
W	4200K	Ra 70	◯	330 lm*
WW	3500K	Ra 75	✳	281 lm*
L30	3000K	Ra 70	◯	302 lm*
L27	2700K	Ra 71	◯	252 lm
L24	2400K	Ra 65	✳	245 lm*
L19	1900K			-

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	In & Outdoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	❶Mounting rail ❷Mounting parts ❸❹Mounting clip ❺Power supply cable
Certification	CE
Dimmable	◯
Power Supplies	Required

Max. connectable length per power supply

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

External dimentions

10mm pitch top view

10.4
1010   190

side view
4

16mm pitch top view

16.7
1010   190

side view
4

Prohibited installation places:
- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chroline or chemicals fall on
- 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

14 / 26.5 / pan head screw M3

Curved installation

14 / 26.5 / pan head screw M3

Curved installation

14 / 18.5 / 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.

7.2 / 970 / 7.4

❷ Mounting parts for FLEX α
Model No : LFT-RL0015
10 pcs / bag
❹ Mounting clip for FLEX α rail (10 pcs / bag) is included.

For curved installation

7.2 / 15 / 7.4

❸ Mounting clip B for FLEX α
Model No : LFX-RC-B
10 pcs / bag

Narrower clip used with rail ❶ or parts ❷

8.5 / 5 / 9.5
Screw hole : φ 4.5
1.8 / 1.5 / 14 / 1.5 7.5 1.5

❹ Mounting clip 1000 for FLEX α rail Attachments for ❶ & ❷
Model No : LFX-RC
for extra order, 10 pcs / bag

17.5 / 9.5
Screw hole : φ 4 / 1.5
14 / 9.5 7.5 9.5

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.

8.1 / 25.8 / 3000±20 / 16.5 / 1.5/5.5 / 7.0 / 6.7

Luci FLEX α F IP65

Straight installation

④ Mounting clip 1000 for FLEX α rail
(LFX-RC)

❶

Pan head screws M3 recommended.

❶ Mounting rail 1000 for FLEX α
(LFX-RL1000)

❸ Mounting clip B for FLEX α
(LFX-RC-B)

Curved installation

④ Mounting clip 1000 for FLEX α rail
(LFX-RC)

Pan head screws M3 recommended.

Minimum bending radius
R50mm

② Mounting clip for FLEX α
(LFX-RL0015)

❸ Mounting clip B for FLEX α
(LFX-RC-B)

System configuration diagram

③ Max. distance 10m
② LED fixture max. 5m

PSU DC24V	LED fixture	LED fixture	LED fixture	Circuit 1
	LED fixture		LED fixture	Circuit 2

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)

Luci FLEX α F IP65 -Custom order-

Model No.

LFXF10 - T☐☐☐☐ ☐ - ☐ - ☐ - O

| Length | Lead Wire | Light source color | Tube type | Environment |

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
W	White	4200K
WW	Warm white 3500K	3500K
L30	Warm white 3000K	3000K
L27	Warm white 2700K	2700K
L24	Warm white 2400K	2400K

Tube type:
- **CL** Clear
- **DF** Diffuser

Environment:
- **O** Outdoor

External dimension

Luci FLEX α F IP65 / **W** Both ends lead wire

LFXF10 -T☐☐☐☐W - ☐ - ☐ - O

Length / Color / Tube

10 | Length | Length +10 | 190

Luci FLEX α F IP65 / **S** One end lead wire
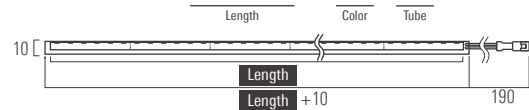
LFXF10 -T☐☐☐☐S- ☐ - ☐ - O

Length / Color / Tube

10 | Length | Length +10 | 190

- 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)

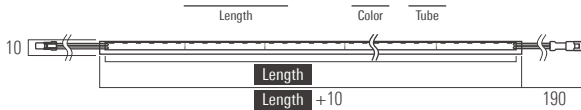Corresponds to **Length** of Model No. and External dimensions

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%.ÐThe lumen output value of diffuser tube type is 20~30% less than clear tube type.

Clear tube

Diffuser tube

Luci FLEX α KINU IP65

LFXK

- Max.distance from power supply to end of the LED fitting is 80M long, which is suitable for landscap lighitng.
- Flexible strip with bending sideways with bendable aluminium channel
- Customised length available up to 5m per roll, 50mm increments

Model No.

LFXK	- T□□□□	□	-	□	-	DF	-	O
Product Name	Length	Lead wire		Light source color		Tube type		Environment
LFXK	Refer to Custom order length	W: Both ends lead wire S：One end lead wire		W ：White WW ：Warm white 3500K L30 ：Warm white 3000K L27 ：Warm white 2700K		DF : Diffuser		O : Outdoor

Light Intensity   Refer to P.206

LFXK-T1000W-L27-DF-O

1/2 illuminance angle
68°
62°
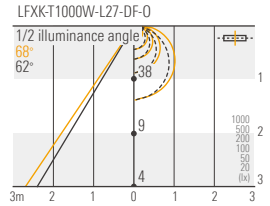
Specification

Model No.	LFXK-T1000S/W-＊-DF-O
Power consumption	4.8 W/m
Fitting length(L)	1026mm(W) / 1021mm(S)
Weight	-
Luminaire efficacy(2700K)	46.5 lm/W (Equivalent)
Light source color	○ = Device inventory ＊ = Equivalent ＊ = Please contact us since it is made-to-order products and has MOQ.

D	7100K		＊	
N	5300K		＊	
W	4200K	Ra 87	○	270 lm*
WW	3500K		＊	
L30	3000K	Ra 87	○	260 lm*
L27	2700K	Ra 87	○	223 lm*
L24	2400K	Ra 77	○	243 lm*
L21	2100K		＊	
L19	1900K		＊	

Luci FLEX α KINU IP65 (4.8 W/m)

| Corresponds to [Length] of Model No. and External dimensions				
50	1048	2046	3044	4042
100	1098	2096	3094	4092
150	1148	2146	3144	4142
200	1198	2196	3194	4192
250	1248	2246	3244	4242
299	1297	2295	3293	4291
349	1347	2345	3343	4341
399	1397	2395	3393	4391
449	1447	2445	3443	4441
499	1497	2495	3493	4491
549	1547	2545	3543	4541
599	1597	2595	3593	4591
649	1647	2645	3643	4641
699	1697	2695	3693	4691
749	1747	2745	3743	4741
798	1796	2794	3792	4790
848	1846	2844	3842	4840
898	1896	2894	3892	4890
948	1946	2944	3942	4940
1000	1996	2994	3992	4990

Color temperature of diffuser tube type

Nominal light source color temperature	Color temperature through diffuser tube *1
W	4000 K	4000 K
L30	3000 K	2800 K
L27	2700 K	2400 K
L24	2400 K	2200 K

*1:
Color temperature through diffuser tube
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.

General Specification
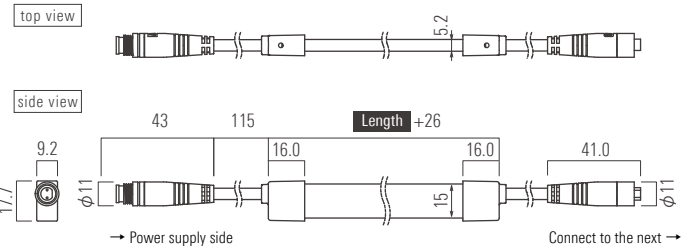
Input voltage	DC24V
Environment	Outdoors (no condensation) IP65
Max. length per circuit	5m
Min. bending range	R150mm
Material (body)	Soft acrylic
Attachments	-
Option parts	❶Mounting rail ❷Mouting clip ❸Power supply cable ❹End cap for power supply cable
Certification	CE
Dimmable	○
Power Supplies	Required

Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits	Power supply
～7.3m*	50W power supply
～12.6m*	100W power supply
～18.9m*	150W power supply

External dimentions

Luci FLEX α KINU IP65 / both ends lead wire

top view

side view

43 115 Length +26

9.2 16.0 16.0 41.0

17.7 φ11 15 φ11

→ Power supply side Connect to the next →

Luci FLEX α KINU IP65 / one end lead wire
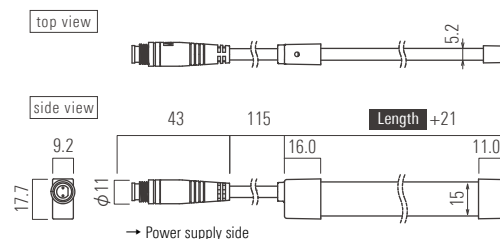
top view

side view

43 115 Length +21

9.2 16.0 11.0

17.7 φ11 15

→ Power supply side

Luci FLEX α KINU IP65

Outdoor

Strip Light

LFXK

UO FLEX IP67

Power FLEX EX IP65

Power FLEX IP65

Flat FLEX F IP65

FLEX α F IP65

FLEX α KINU IP65

Cross sectional view when installing optional items

Straight / curved installation

φ5(cable)
pan head screw M5
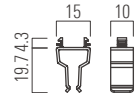φ11(connector)
17.2

25.0

6.0

❶

❷
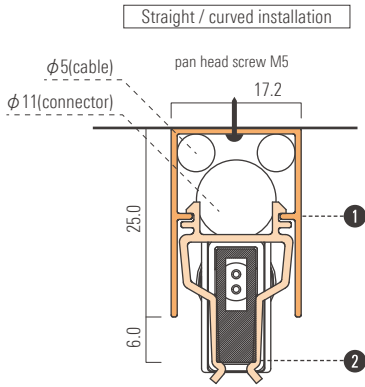
Option parts

❶ Mounting lift rail 1000 for FLEX α KINU

Model No : LFXK-RL1000AL-A
❷ Mounting clip for FLEX α KINU AL rail (LFXK-PT-A 10 pcs / bag) is attached.

Bendable aluminum rail
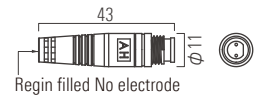The connector can be stored in this mounting rail.

11   13x72   Screw hole：13xφ3

8.6

11.6   958

18

40x22 39x2
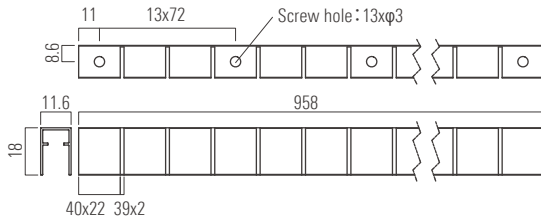
❷ Mounting clip for FLEX α KINU lift rail   Attachment for ❶

Model No : LFXK-PT-A
10 pcs / bag

Mounting Clip is used for assembling rail and light fixture.

for extra order, 10 pcs / bag

15   10

19.7 4.3

❸ Power supply cable 10m for AH1 connector OD 5.0   Required

Model No : CAD-VB010M-FJNN-O
1 pc per circuit for connecting the LED fixture
to power supply or dimmer driver.

41.0   10,000

φ11
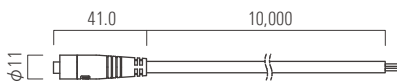
❹ End cap for power supply cable

Model No : CAC-MJ-O

43

φ11

Regin filled No electrode

Prohibited installation places

When using FLEX α KINU in semi-outdoor, it must be installed with the aluminum rail for FLEX α KINU. Please installed the LED fixture and the cable within the range of 45˚ eaves of the roof and 150 mm or more away from the ground or the floor. Please do not install the LED fixture and cables in the following place:

- water directly fall on or pooled
- the sunlight directly shines on
- liquids including chlorine or chemicals fall on
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

45˚

150 mm or more

Ground / Floor

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.

Luci FLEX α KINU IP65

Installing the product

For horizontal installation

① Fix Mounting rail with screws supplied by installer (Pan head screws M5).
   LED fixture and Mounting rail can be bent horizontally at minimum radius 150mm.
※ Please fix with the same number of screws as the number of screw holes.
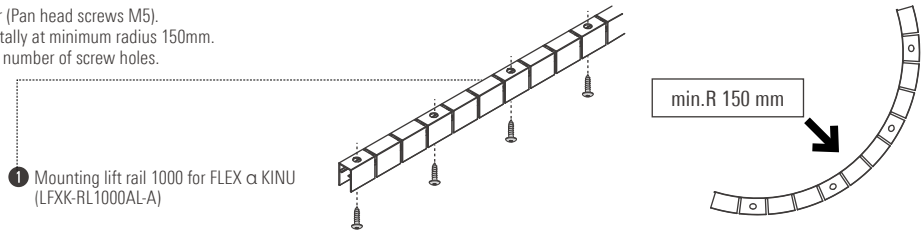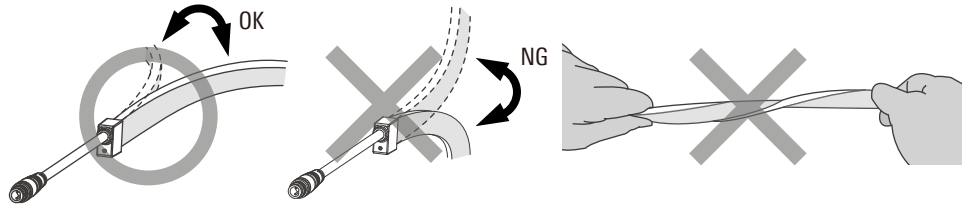
min.R 150 mm

❶ Mounting lift rail 1000 for FLEX α KINU
   (LFXK-RL1000AL-A)

Caution:

Do not bend LED fixture and Mounting rail vertically and do not twist the LED fixture. LED fixture and Mounting rail might be damaged when it is twisted and bent improperly.

OK

NG

② Attach Mounting clips for rail to Mounting rail every 100mm as below picture.
   (Recommended number of clips: 3pcs for 300mm, 6pcs for 600mm, 10pcs for 1000mm)

100 mm   100 mm
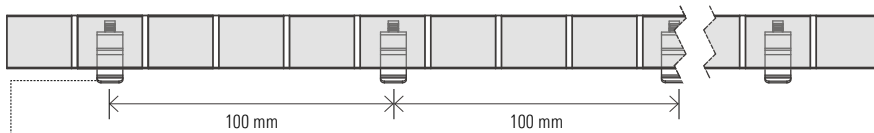
❷ Mounting clip for FLEX α KINU lift rail
   (LFXK-PT-A)

Installation of Mounting clip

Tilt and hook one side of Mounting clip to Mounting rail, rotate clips and insert another side of clip until click sounds.

Click!
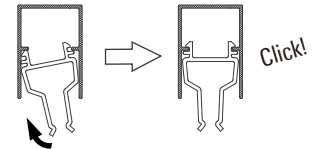
③ Check the direction of emitting surface and insert LED fixture into Mounting clips.

Installation of LED fixture in Mounting clip

Insert LED fixture until the position as below.
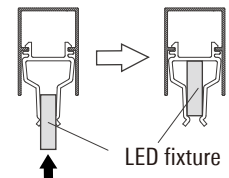
LED fixture

Caution:

Please be careful not to push LED fixture hardly and damage LED fixture, electric parts, circuit board by finger or tools. It might cause a defect.

④ Connect the connector attached with LED fixture and the connector of power supply cable in proper position.
   Make sure to rotate the fastening part until no longer can rotate.
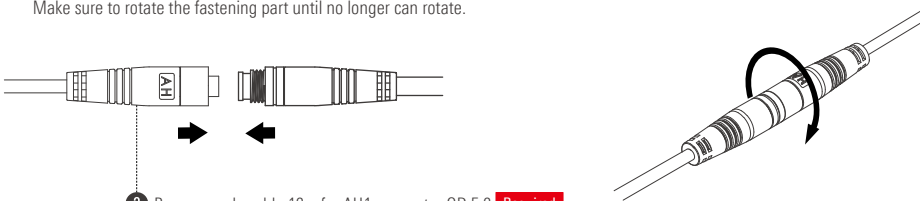
❸ Power supply cable 10m for AH1 connector OD 5.0 `Required`
   (CAD-VB010M-FJNN-O)

Luci FLEX α KINU IP65

Outdoor

Strip Light

LFXK

U0 FLEX IP67

Power FLEX EX IP65

Power FLEX IP65

Flat FLEX F IP65

FLEX α F IP65

FLEX α KINU IP65

For installing on sloping surface

① Fold the side of Mounting rail under Mounting clip by hand.

Fold by hand

Push

Push
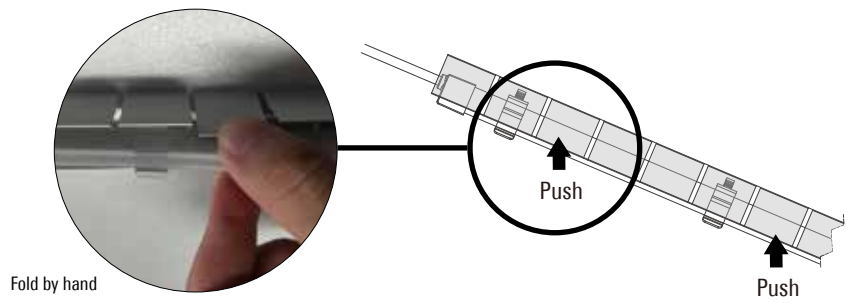
Make sure to do this procedure.
Otherwise, it may cause slipping and falling of LED fixture from Mounting rail and clips.

② Adjust the position of Mounting clips being hooked at the folded part of Mounting rail to avoid falling.

Mounting clip is hooked
at the folded rail
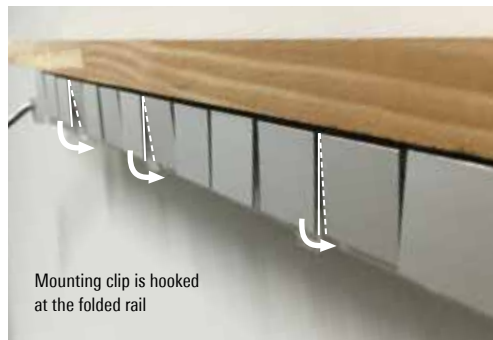
This product cannot be used
in vertical installation.
Do not install LED fixture and
Mounting rail more than 45 degree.
The mounting clip might slip and
LED fixture might drop from Mounting rail.
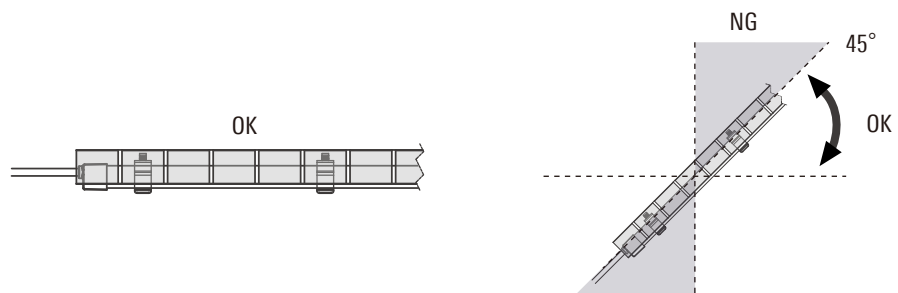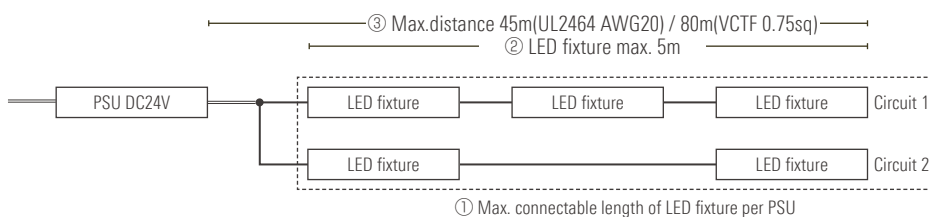
OK

NG

45°

OK

System configuration diagram

③ Max.distance 45m(UL2464 AWG20) / 80m(VCTF 0.75sq)
② LED fixture max. 5m

| PSU DC24V | | LED fixture | LED fixture | LED fixture | Circuit 1 |
| | | LED fixture | | LED fixture | Circuit 2 |

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)

Cable	Max.distance
UL2464 AWG20	45m
VCTF 0.75sq	80m

Luci FLEX α KINU IP65

LFXK
Luci FLEX α KINU

Color temparature

4200K 3000K 2700K 2400K

Direct horizontal surface light intensity distribution chart

LFXK-T1000∗-W-DF-O

Light source color	4200K
Brightness	47 cd
Luminous flux	270 lm
Color rendering index	Ra 87

1/2 illuminance angle
68°
62°
47
11
5

LFXK-T1000∗-L30-DF-O
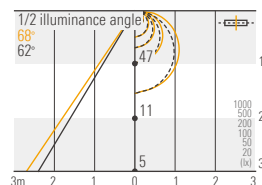
Light source color	3000K
Brightness	45 cd
Luminous flux	260 lm
Color rendering index	Ra 87

1/2 illuminance angle
68°
62°
45
11
5

LFXK-T1000∗-L27-DF-O
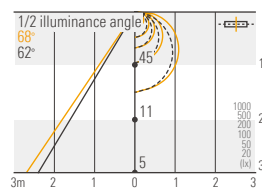
Light source color	2700K
Brightness	38 cd
Luminous flux	223 lm
Color rendering index	Ra 87

1/2 illuminance angle
68°
62°
38
9
4

LFXK-T1000∗-L24-DF-O
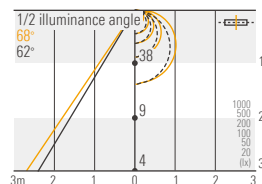
Light source color	2400K
Brightness	42 cd
Luminous flux	243 lm
Color rendering index	Ra 77

1/2 illuminance angle
68°
62°
42
10
4

Recommendend dimensions and illumination distribuitions

Steps

300mm
18mm
170mm

Handrail

100mm
40mm
18mm
700mm

Outdoor

Strip Light

LFXK

U0 FLEX IP67

Power FLEX EX IP65

Power FLEX IP65

Flat FLEX F IP65

FLEX α F IP65

FLEX α KINU IP65
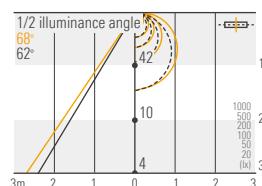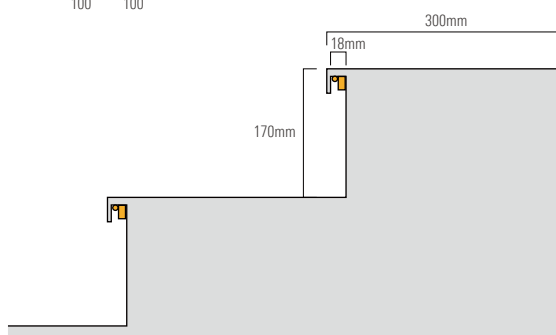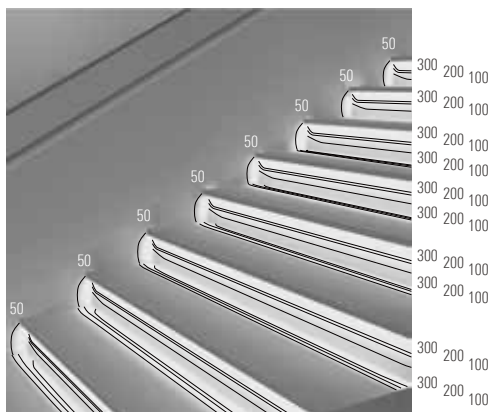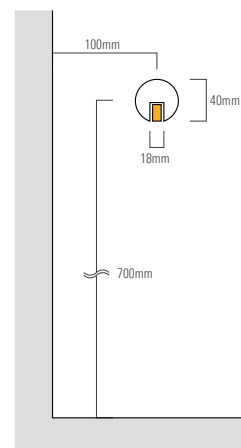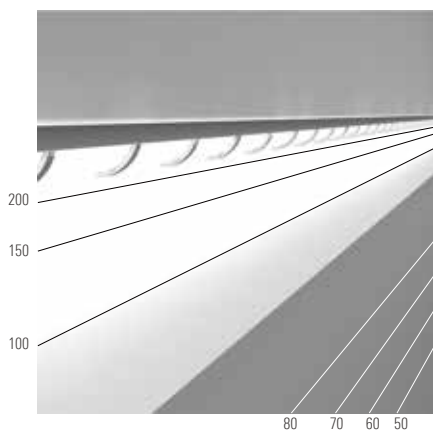
Dimmer

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	-	PX24606	P.209	-
				DALI	-	DALI6010	P.209	-
				0-10V/1-10V	-	DIM-S1L10V-0	P.210	Walldim 103E1
			AC	0-10V	IP67	PWM-120-24	P.211	-
Dynamic white series	2ch		DC	0-10V/1-10V	-	DIM-S2L8V-0	P.212	Walldim 22
Vivoxy Graze	1ch	C.C	AC	0-10V	IP67	HVGC-*-*B	P.213	-

Connectable length per dimmerble driver

Model No.	Output (W/m)	Max. length per circuit (m)	PX24606 (3A x 1ch)		DALI6010 (10A x 1ch) DIM-S1L10V-0 (10A x 1ch)		PWM-120-24	
			*connectable up to 2.4A, when using 100W DC24V PSU as 60% load factor		*connectable up to 3.75A, when using 150W DC24V PSU as 60% load factor		*connect up to 108W as 90% load	
			Connectable length per one driver (m)	W (VA)	Connectable length per one driver (m)	W (VA)	Connectable length per one driver (m)	W (VA)
LRE-1003-*DF-I	31.2	3.3	1.8	56.2	2.8	87.4	3.4*	106.1
LCEL or LCEF-0880-*-DF-I	20.6	5	2.7	55.7	4.3	88.6	5.2*	107.1
LSWK or LSXK-1008-*-DF-I-13	13.1	6	4.3	56.4	6.8	89.1	8.2*	107.4
LSWK or LSXK-1008-*-DF-I-8	8.1	6	7.1*	57.6	11.1*	89.9	13.3*	107.7
LSWK or LSXK-1008-*-DF-I-4	4.3	6	13.3*	57.2	20.9*	89.9	25.1*	107.9
LNL-0980-*DF-I	7.2	5	8*	57.6	12.5*	90	15*	108
LSM-T1000W-*-DF-I	15.4	5	3.7*	57	5.8*	89.3	7*	107.8
LFPEX15-T1000W-*-CL-*	18.2	5.0 m (I), 3.5 m(O)	3.1	56.5	4.9	89.2	5.9*	107.4
LFPEX20-T1000W-*-CL-*	12.1	5	4.7	56.9	7.4	89.5	8.9*	107.7
LFPEX30-T1000W-*-CL-*-9	9.5	5	6*	57	9.4*	89.3	11.3*	107.4
LFPEX30-T1000W-*-CL-*-6	6.5	5	8.8*	57.2	13.8*	89.7	16.6*	107.9
LFPEX30-T1000W-*-CL-*-4	4.5	5	12.8*	57.6	20*	90	24*	108
LFPSC20-1000-*-CL-I	14.2	5	4	56.8	6.3*	89.5	7.6*	108
LFP15-T0900W-*-CL-*	15.4	4.5	3.7	57	5.8*	89.3	7*	107.8
LFP20-T1000W-*-CL-*	10.5	5	5.4	56.7	8.5*	89.3	10.2*	107.1
LFPA20-0960-*-CL-*	10.4	5	5.5*	57.2	8.6*	89.4	10.3*	107.1
LFTF10 or LFTXF10-T1000W-*-CL-*	3.9	5	14.7*	57.4	23*	89.7	27.6*	107.6
LFTF16-T1000W-*-CL-*	2.5	5	23*	57.5	36*	90	43.2*	108
LRO-1142-*-DF-IW	8.4	4.5	6.8*	57.2	10.7*	89.9	12.8*	107.5
L-ELA9K2-096***-24C-P	19.2	9	3	57.6	4.6	88.3	5.6*	107.5
L-ELS7K1-098***-24	7.7	6.9	7.4*	57	11.6*	89.3	14*	107.8
L-ELR9K2-098***-M-24	7.7	6.9	7.4*	57	11.6*	89.3	14*	107.8
LFU -T1000WS-*-DF-O-15	15.8	5	3.6	56.9	5.6	88.5	6.8	107.4
LFU -T1000WS-*-DF-O-12	12	10	4.8	57.6	7.5	90	9	108
LFU -T1000WS-*-DF-O-8	8	10	7.2	57.6	11.2	89.6	13.5*	108
LFXK-T1000W-*-DF-O	4.8	10	12*	57.6	18.7*	89.8	22.5*	108

*Split into multiple circuit
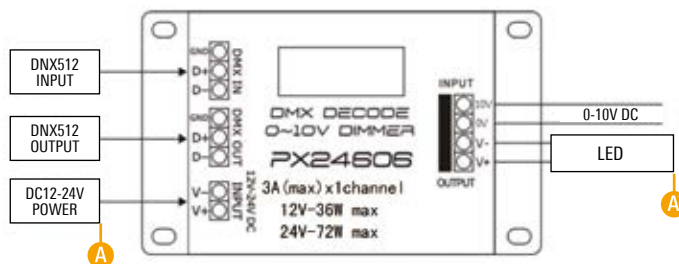
| For DC24V single color series | PX24606series | Constant Voltage - Dimmable driver (DC input) - 1ch | DMX Driver 3A x 1chDimmable driver (DC input) - 1ch | EUCHIPS |

- Meets DMX512/1990
- 1 output CH.,can drive 3A
- With control system,can express perfect effect
- Can set the DMX512 addess freely
- Modularizing,can be combined with LED module neatly

Wiring Diagram

DNX512 INPUT
DNX512 OUTPUT
DC12-24V POWER

DMX DECODE
0~10V DIMMER
PX24606
3A (max) x1channel
12V~36W max
24V~72W max

0-10V DC
LED

A

A'

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.

Specification

Product name	DMX Driver 3A*1ch
Model number	PX24606
Input voltage	12V - 24V
Output channel	1ch 3A
Size	86*51*17.8(mm)
Weight	110g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temprature	-20℃ ～ 70℃

| 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

Wiring Diagram

EUCHIPS PWM LED Dimmer
DALI6010
INPUT 12-24V DC
SEC
Uout:12-24VDC
Iout:10Amax
ta:-20℃...+50℃ tc:80℃
TouchDim & DALI<2mA Dimming Control

DC12-24V POWER

A

DALI or Touch DIM
LED

A'

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℃

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.
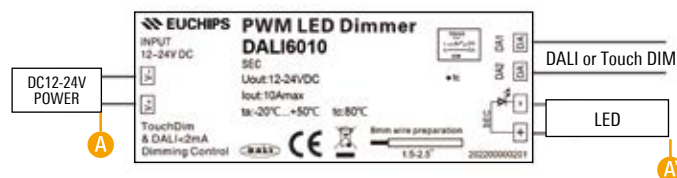Twist shield cable is recommended to use as a signal cable.

* 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 & Power supply

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

Wiring Diagram

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	-

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.

Wiring Diagram

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℃
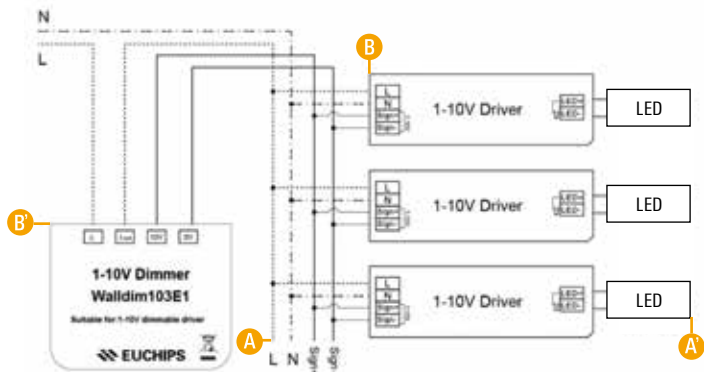
Maximum wiring distance from (A) - (A') is 20m.
Maximum wiring distance from (B) - (B') is 20m.
Please check the maximum of connectable LED length in one series referring to the catalog page of each product. When the LED total length exceeds the maximum length in series, please connect by separating 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.

Dimmer & Power supply

| 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
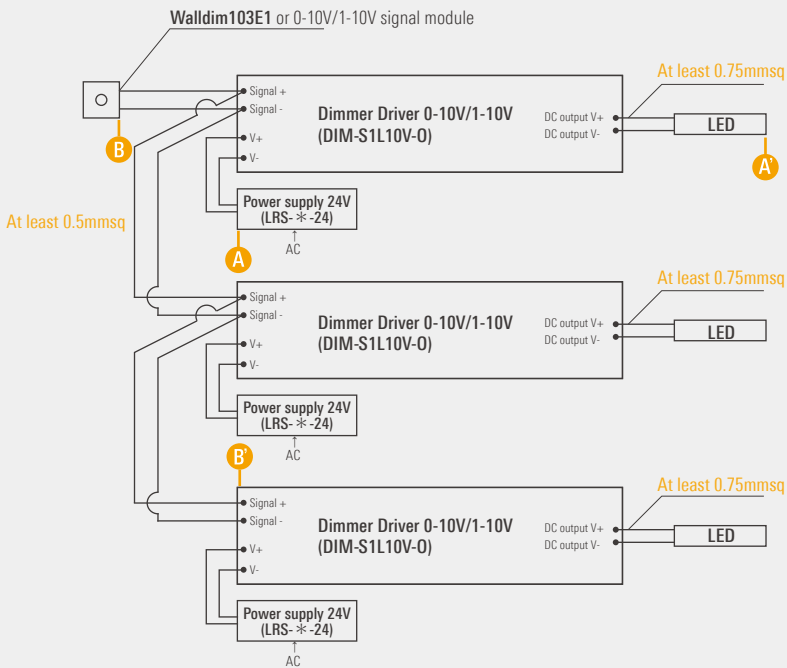
Wiring Diagram

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℃

-V(Black)
+V(Red)

AC/L(Brown)
AC/N(Blue)

DIM+(Blue)
DIM-(White)
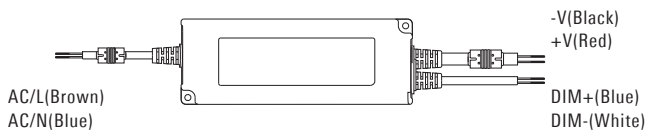
Twist shield cable is recommended to use as a signal cable.

- Dimmed manually by Walldim103E1 or Dimmed with Control System.

Cables → Supplied by the installer

Walldim103E1 or 0-10V/1-10V signal module

At least 0.75mmsq

Signal +
Signal -
Dimmer Driver 0-10V/1-10V
(DIM-S1L10V-O)
DC output V+
DC output V-
LED

B

V+
V-

Power supply 24V
(LRS-＊-24)
↑
AC

At least 0.5mmsq

A

A'

Signal +
Signal -
Dimmer Driver 0-10V/1-10V
(DIM-S1L10V-O)
DC output V+
DC output V-
LED

At least 0.75mmsq

V+
V-

Power supply 24V
(LRS-＊-24)
↑
AC

B'

Signal +
Signal -
Dimmer Driver 0-10V/1-10V
(DIM-S1L10V-O)
DC output V+
DC output V-
LED

At least 0.75mmsq

V+
V-

Power supply 24V
(LRS-＊-24)
↑
AC

Maximum wiring distance from Ⓐ power supply to Ⓐ' end of LED fixture is 10~20m,
please refer to the specification page of each product..

Maximum diming signal wiring distance from Ⓑ to Ⓑ' 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	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	-

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

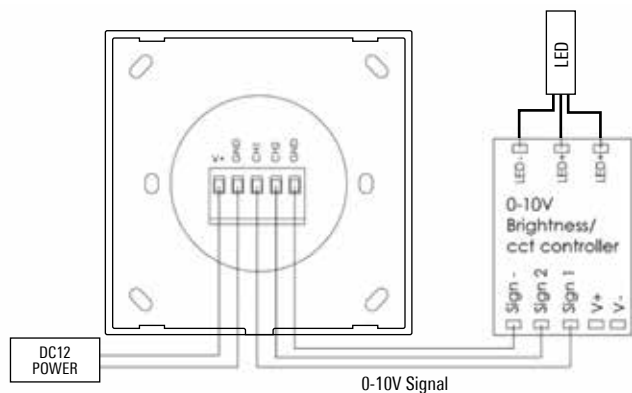| For Dynamic white series | Walldim 202 | Dimmer controller - 2ch | 2ch Multi Function Panel Controller | EUCHIPS |

- 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

HVGC-65

-V(Black)
+V(Red)

FG ⏚ (Green/Yellow)
AC/L(Brown)
AC/N(Blue)

DIM+(Blue)
DIM-(White)
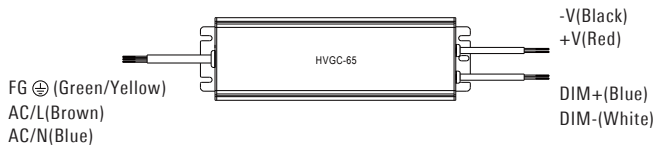
Twist shield cable is recommended to use as a signal cable.

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

Connectable length per dimmerble driver

Rated Current	Connectable length of LVV50	Driver model No.	Output - Constant current region
700mA	0.3~1.2m	HVGC-65-700B	9 ~ 93V
	0.6~1.6m	HVGC-100-700B	15 ~ 142V
	0.6~2.7m	HVGC-150-700B	21 ~ 215V
500mA	0.3~1.8m	HVGC-65-500B	13 ~ 130V
	0.9~4.2m	HVGC-150-500B	30 ~ 300V
350mA	0.6~2.7m	HVGC-65-350B	18 ~ 186V
	0.9~3.9m	HVGC-100-350B	29 ~ 285V
	1.2~6.0m	HVGC-150-350B	42 ~ 428V

* 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.

100V   242V

Ordinary LED driver used in Japan

100V～120V

ORILEGA
100V～242V
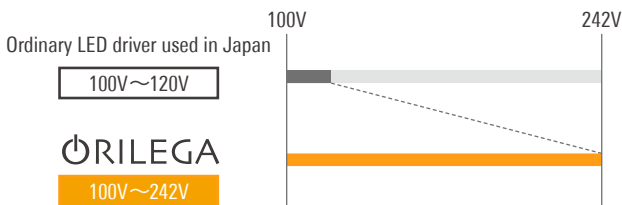
Quiet structure conforming to JIS

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.

Meets JIS C 8115 sound level requirements

Less than
25dB

ORILEGA

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   C E   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.

Ordinary LED power supply

ORILEGA
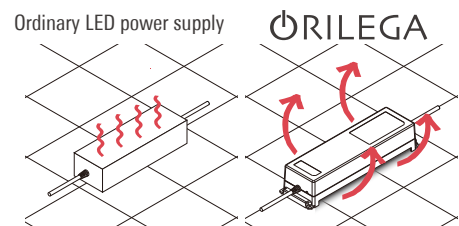
Maximum distance to the terminal of LED fixture: 35 m
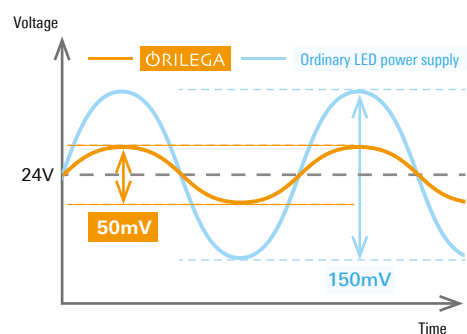
The distance from power supply to the terminal of LED fixture can be extended up to 35 m when the output cable is 1.25 sq mm.

LED fixture

=1.25sq

up to 35 m*

Luci ORILEGA
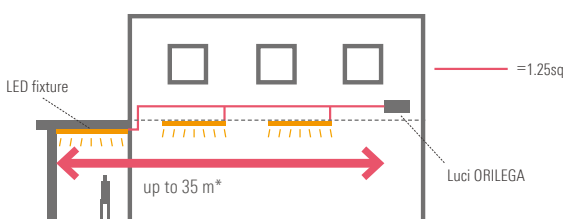
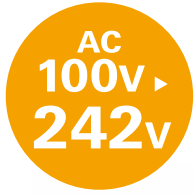*In case using LED fixture which maximum length per series is 5m.

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.

Voltage

ORILEGA Ordinary LED power supply

24V

50mV

150mV

Time

LPSOL-145/075/030

Luci ORILEGA 145W/75W/30W 24V

AC 100v ▶ 242v

PSE CE RoHS CCC

External dimensions

145W

top view

Input 302 Output Screw hole：φ4.5 side view 2

291±0.5

AC Black：L
AC White：N
Green：⏚

73±0.5 84

DC Black：＋
DC White：－

84

lenght of cable：450 lenght of cable：450 12.5

side view 1 Input Output

60.6

10 4.5

75W

top view

Input 258.6 Output Screw hole：φ4.5 side view 2

247±0.5

AC Black：L
AC White：N
Green：⏚

37±0.5 50

DC Black：＋
DC White：－

50

lenght of cable：150 lenght of cable：150 12

side view 1 Input Output

10 4.5 52

30W

top view

Input 250 Output Screw hole：φ4.5 side view 2

235±0.5

AC Black：L
AC White：N
Green：⏚

23±0.5 35

DC Black：＋
DC White：－

35

lenght of cable：150 lenght of cable：150 12

side view 1 Input Output

10 4.5 38

Product Naming

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

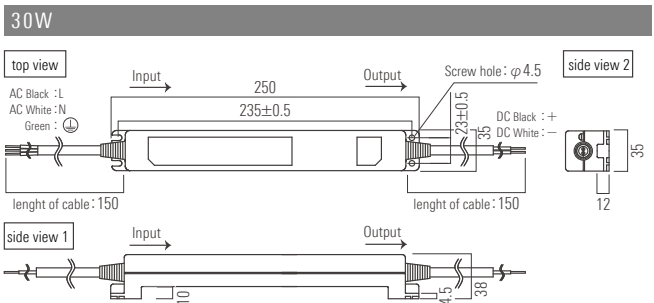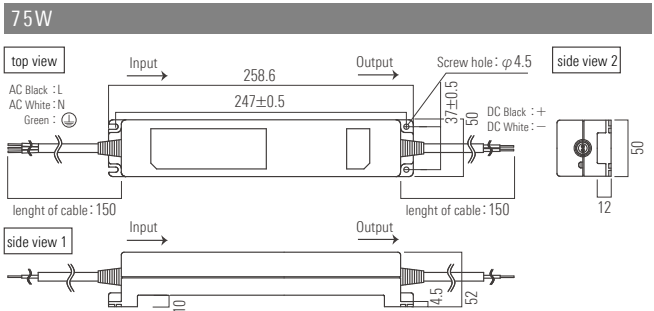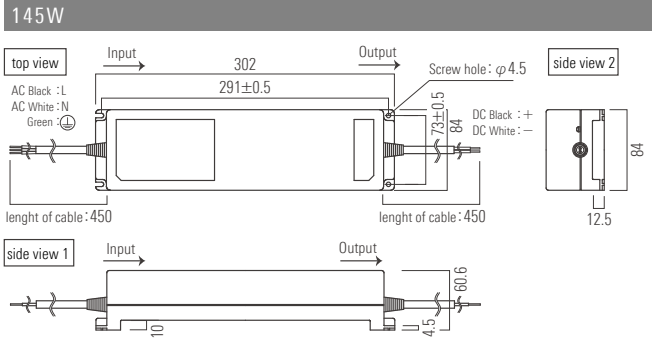## Certification

- PSE (AC100 ~242V)
- CE
- CCC
- RoHS
- IEC61000-3-2 Class C
- CISPR11, CISPR15
- JIS C 8115 Sound level requirement

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℃			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	84 × 60.6 × 302 mm	50 × 52 × 258.6 mm	35 × 38 × 250 mm	—
Weight *Excluding packing material	1030g	455g	215g	—
Output extension length	VCTF0.75sq：20m VCTF1.25sq：30m			
Environment	Indoors (no condensation)			—
Option parts	Terminal block for Output side			

Characteristic table

category	ITEM	conditions	145W			75W			30W			Unit
			MIN	TYP	MAX	MIN	TYP	MAX	MIN	TYP	MAX	
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	0.94	0.96	0.97	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	—	140	143	146	—	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-O1

Easy output side connection
Output box with built-in terminal block
Output branch (3 branch)

top view

side view 2

Terminal block

41.5

90

side view 1

25.4
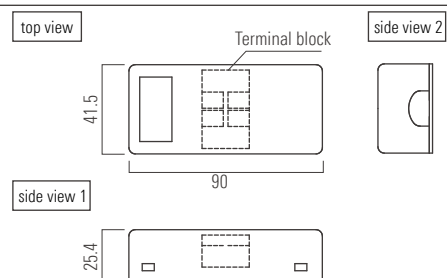
Dimmer & Power supply

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.

Luci ORILEGA DC24V power supply
(LPSOL-＊-24-ND-I)

AC input

VCTF0.75sq-1.25sq
DC24V

| LED (DC24V) | LED (DC24V) | LED (DC24V) |

(A)

(A')

Dimming

Maximum wiring distance from (A) to (A')
VCTF1.25sq：15m

*including extension cable length between LED fixtures.

Luci ORILEGA DC24V power supply
(LPSOL-＊-24-ND-I)

AC input

External dimming driver

VCTF0.75~1.25sq/2C
DC24V

| LED (DC24V) | LED (DC24V) | LED (DC24V) |

(A)

Dimming signal cable

(A')

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
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
Slim Light	LSM-1000-＊-DF-I	15.4W/m	5.0 m	6.6 m*	3.4 m	1.4 m
nano line	LNL-0984-＊-DF-I	7.2W/m	5.0 m	14.1 m*	7.3 m*	2.9 m
Power FLEX EX 15mm pitch	LFPEX15-T1000W-＊-CL-＊	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-＊	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-＊-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-＊-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-＊-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-＊	15.4W/m	4.5 m	6.6 m*	3.4 m	1.4 m
Power FLEX 20mm pitch	LFP20-T1000W-＊-CL-＊	10.5W/m	5.0 m	9.7 m*	5.0 m	2.0 m
Power FLEX α 20mm pitch	LFPA20-0960-＊-CL-＊	10.4W/m	5.0 m	9.8 m*	5.0 m	2.0 m
Flat FLEX F / FLEX α F 10mm pitch	LFTF10 or LFXF10-T1000W-＊-CL-＊	3.9W/m	5.0 m	26.0 m*	13.5 m*	5.4 m*
Flat FLEX F 16mm pitch	LFTF16-1000-＊-CL-＊	2.5W/m	5.0 m	40.6 m*	21.0 m*	8.4 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
UQ FLEX IP67 (15W)	LFU-T1000WS-＊-DF-O-15	15.8W/m	10.0 m	6.4 m*	3.3 m	1.3 m
UQ FLEX IP67 (12W)	LFU-T1000WS-＊-DF-O-12	12W/m	10.0 m	8.4m*	4.3m	1.7m
UQ FLEX IP67 (8W)	LFU-T1000WS-＊-DF-O-8	8W/m	10.0 m	12.6m*	6.5m*	2.6m
Flex α KINU	LFXK-T1000W-＊-DF-O	4.8W/m	5.0 m	21.1 m*	10.9 m*	4.3 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.
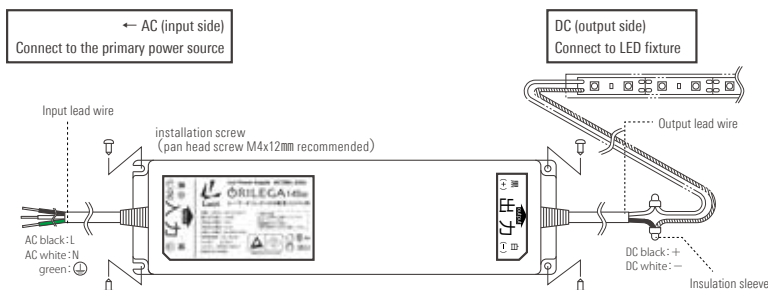
⚠ Cautions

■ 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.

← AC (input side)
Connect to the primary power source

DC (output side)
Connect to LED fixture

Input lead wire

installation screw
（pan head screw M4x12㎜ recommended）

Output lead wire

AC black：L
AC white：N
green：⏚

DC black：＋
DC white：－

Insulation sleeve

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.

Building materials etc.

15 mm or more

15 mm or more   15 mm or more
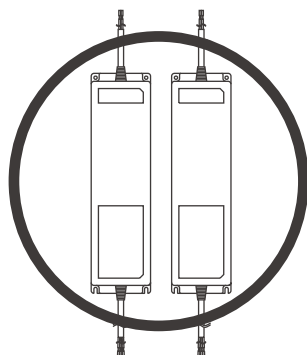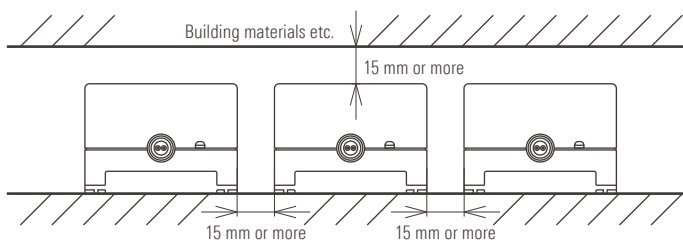
・It is possible to set up multiple devices in parallel on the wall if they are in vertical orientation!
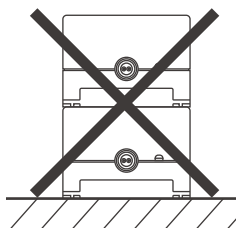
🚫 Do not stack the devices!
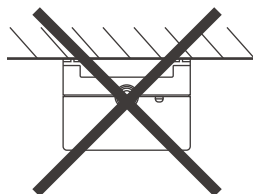
🚫 Do not install upside down on the ceiling surface!
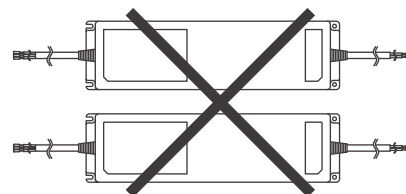
🚫 Do not install multiple devices in parallel if they are in horizontal orientation!

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.

Dimmer & Power supply

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 envioment 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

DC+ DC- FG AC(L) AC(N)

Polarity⊕ Polarity⊖
DC output side
(Connected to LED fixture)
AC input side
Ground⏚
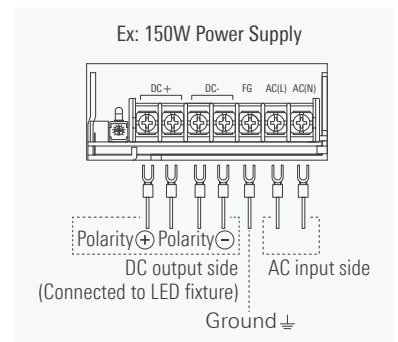
Luci Pte. Ltd.

Luci

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	LFPTH20-1000-*(4)-CL-I	
Luci Creide lens	LCEL-*(2)-*(4)-DF-I	
Luci Creide F	LCEF-*(2)-*(4)-DF-I	*(1) LED pitch
Luci silux K	LSXK-*(2)-*(4)-DF-I-*(7)	*(2) Length
Luci silux wide K	LSXWK-*(2)-*(4)-DF-I-*(7)	*(3) Lead wire specifications
Luci nano line	LNL-*(2)-*(4)-DF-I	*(4) Light source color
Luci Slim Light	LSM-*(2)-*(4)-DF-I	*(5) Tube type or Cover type
Luci Vivoxy Graze	LVV50-*(2)-*(4)-SP-I	*(6) Environment
Luci THOF	LTH-*(2)-NL27-DF-I	*(7) Power consumption
Luci EFRO	LRO-*(2)-*(4)-DF-IW	
Luci RECTA	LRE-*(2)-*(4)-DF-I	
Luci UQ FLEX	LFU-T*(2)*(3)S-*(4)-DF-O-*(7)	
Luci FLEX α KINU	LFXK-T*(2)*(3)-*(4)-DF-O	

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: 藤山順子

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 above stated data, 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 to 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:

LUCI Power FLEX EX series   LFPEX**(pitch)-T****(length)W/S-*(CCT)-CL-I/O
LUCI Power FLEX series LFP15/20-T****(length)W/S-*(CCT)-CL/DF-I/O
LUCI Flat FLEX series LFT10/16-T****(length)W/S-*(CCT)-CL/DF-I/O
LUCI Power FLEX α series LFPA20-0960-*(CCT)-CL-I
LUCI FLEX α series LFX10-T****(length)W/S-*(CCT)-CL/DF-I/O

Two (2) years: Other than the products mentioned in above.

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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