

Indoor
Strip light

LFP-I Luci Power FLEX Indoor



Luci FLEX series

3 years warranty

Top bend



Luci Power FLEX EX

Our next FLEX standard with preferable price

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



Luci Power FLEX Spect C

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



Luci Power FLEX THOF

RENEWAL Dynamic White

Dynamic white strip light

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



Luci Power FLEX

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



Luci Flat FLEX F

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



Why we use soft acrylic tube

-Maintain high transparency

Silicon is not contained in tube of Luci FLEX series.

Luci original soft acrylic prevents yellowing and preserves the original LED colors.

-High durability

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

-Protection against dust and external force

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

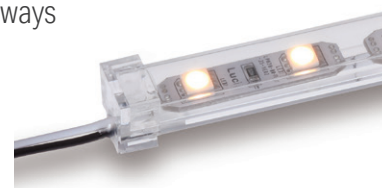
Side bend



Luci Power FLEX α

High-powered LED strip with bending sideways

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



Luci FLEX α F

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



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

LFP

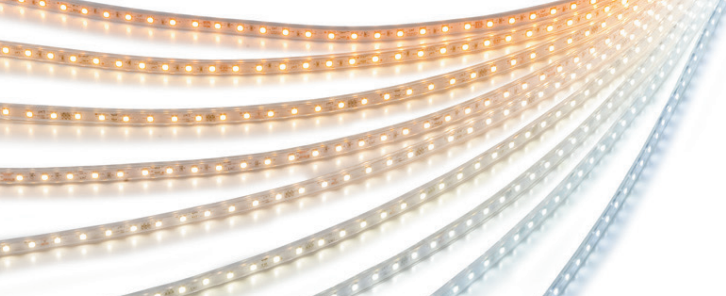


Ritz Carlton Langkawi
Location: Malaysia
Architect office: Light moment
Photo: Zoom



Raikouji
Location: Japan
Architect office: Atelier Sotaro Yamamoto

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



Luci Power FLEX

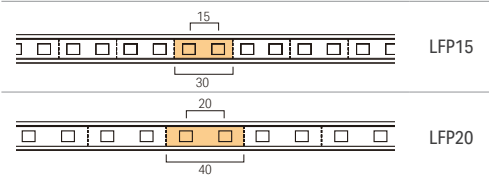
Luci's long-selling strip light best use for concealed light, furniture and ceiling cove

Short unit lengths for delicate designs, with easy custom length order and on-site adjustment

Specifications

Dimensions

LED pitch and cuttable unit length (mm)



Cross section W 15 x H 4.5 mm

Standard length 1m with both ends open end wire

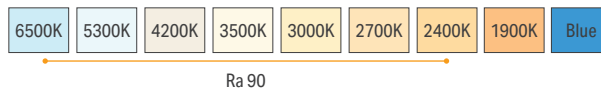
Custom order up to 4.5m in LFP15 and 5m in LFP20 length at every the unit length with both ends or one end feed cable.

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

Electrical & Output

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

Color temperature



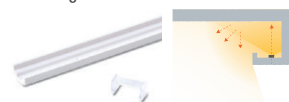
Min Bending radius

R 50mm in top (vertical) bend direction

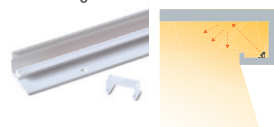


Accessories

Mounting rail 1000 for Power FLEX



45° Mounting rail 1000 for Power FLEX



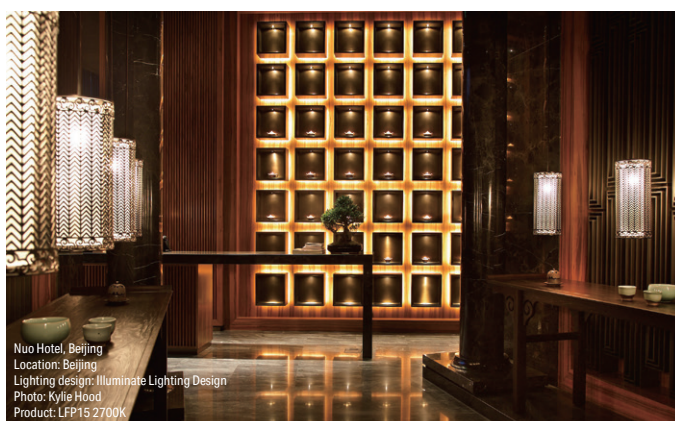
Easy to cut these rails at site as it's made by AES material

Soft acrylic tube

- Higher protection performance than bare LED strip against unexpected static electricity, external force and environmental factors which may cause damage to the circuit board and components.

- Long-lasting characteristics are maintained against deformation, discolouration, and deterioration certify by sunshine weather-resistant tests applied in the automotive industry.

Project reference



LFP

Color management
ANSI BIN



3 years
warranty

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

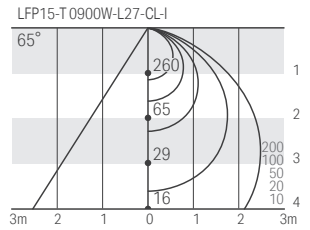


Model No.

LFP - **T** - - - **I**

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

Light Intensity Refer to P.66



Specification @ Clear cover

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

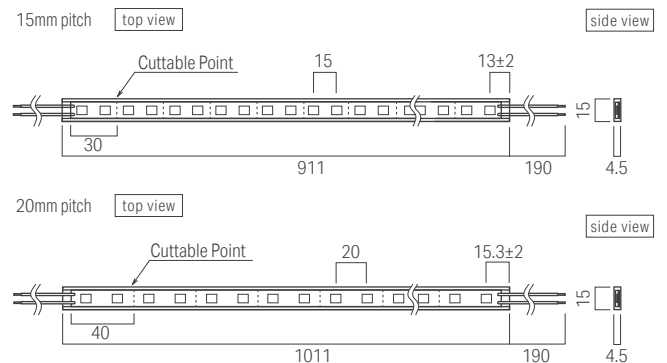
General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	15 mm pitch : 4.5m 20 mm pitch : 5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachment	⑦ End cap 2pcs
Option parts	① ② ③ ④ Mounting rail ⑤ ⑥ Mounting clip ⑦ End cap ⑧ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

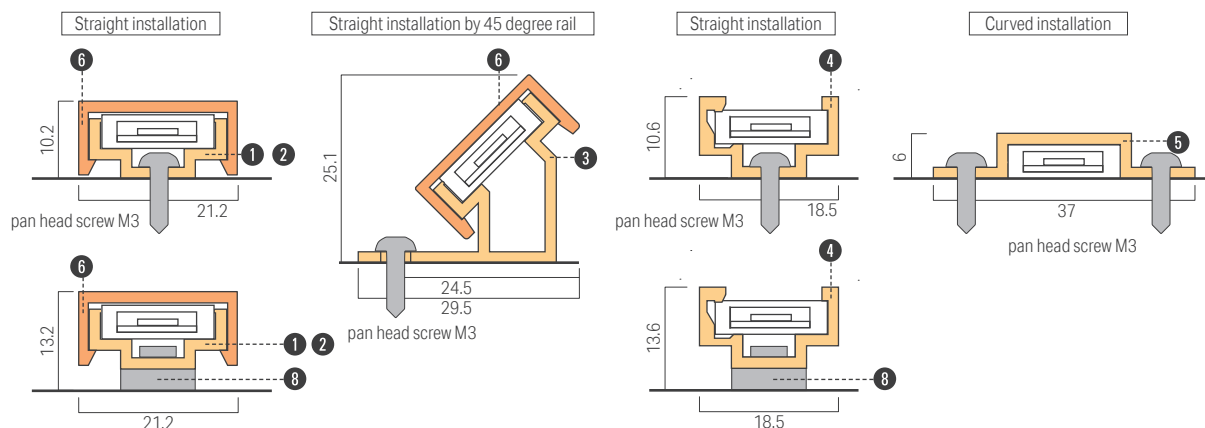
Max. connectable length per power supply

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

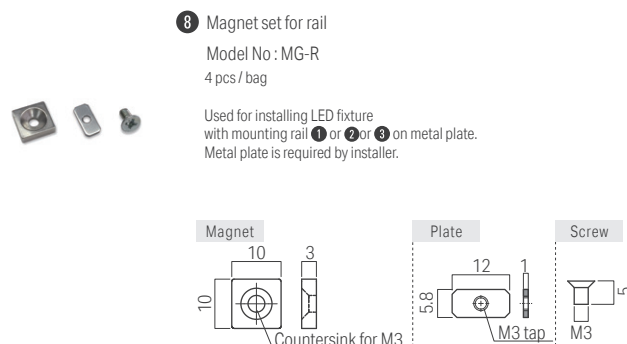
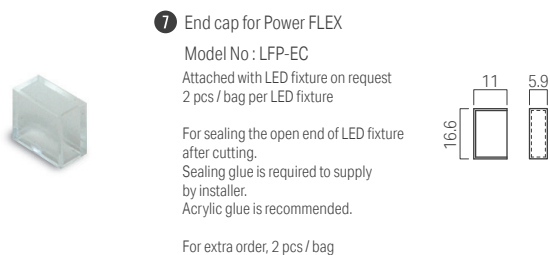
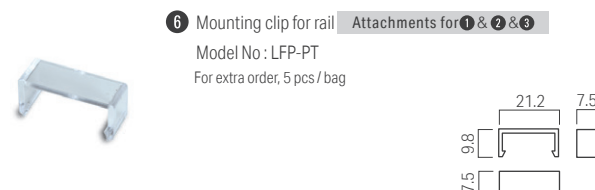
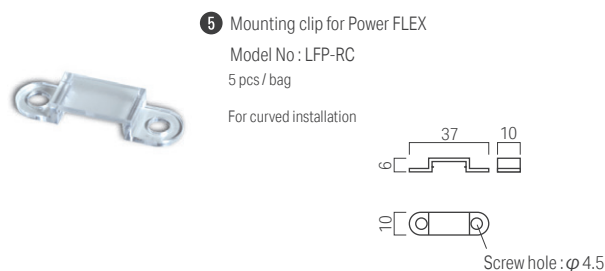
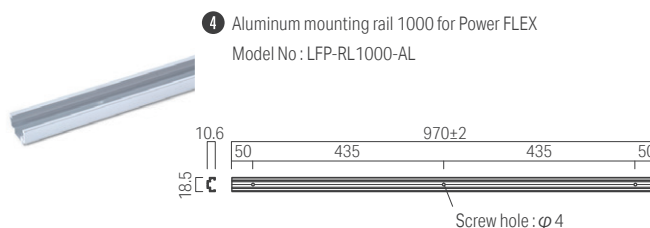
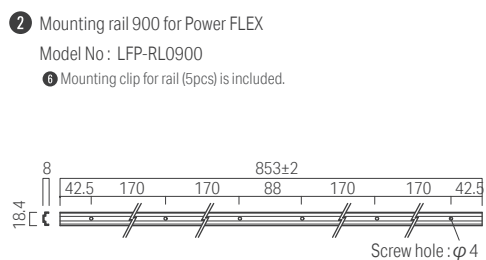
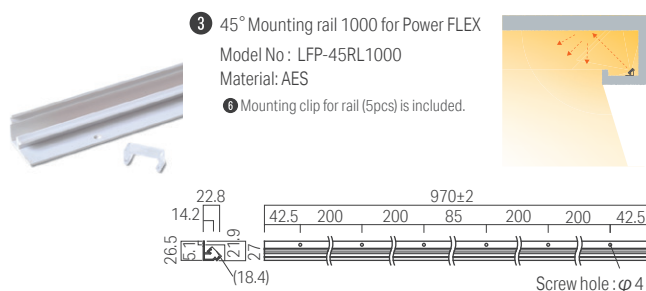
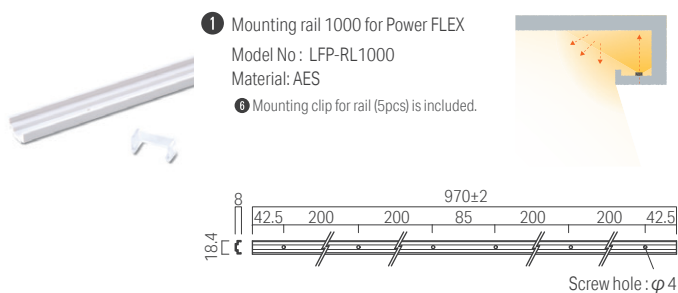
External dimensions



Cross sectional view when installing optional items



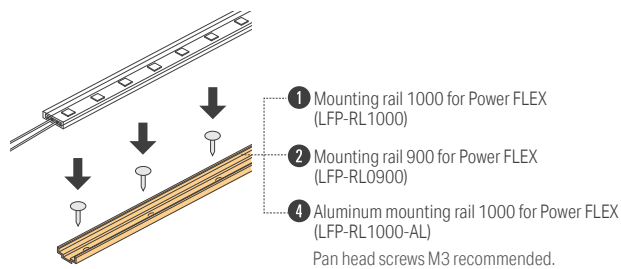
Option parts



Luci Power FLEX

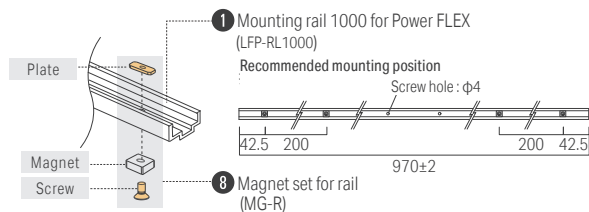
Installing the product

Straight installation

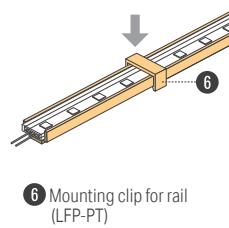


Magnet Installation

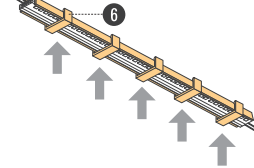
Mounting rail 1000 for Power FLEX



Cove lighting

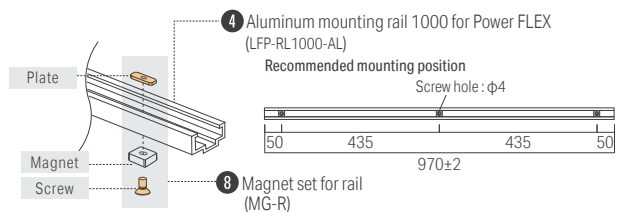


Cornice lighting

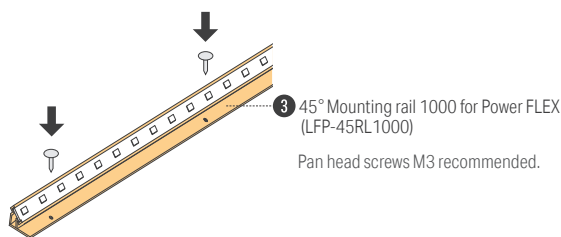


For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m
* In case of Aluminum mounting rail 1000 for Power FLEX, Mounting clip for rail is not necessary.

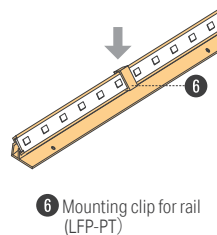
Aluminum mounting rail 1000 for Power FLEX



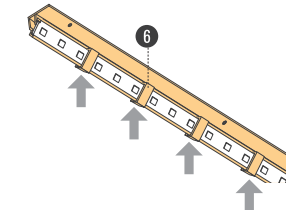
Straight installation by 45 degree rail



Cove lighting



Cornice lighting



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

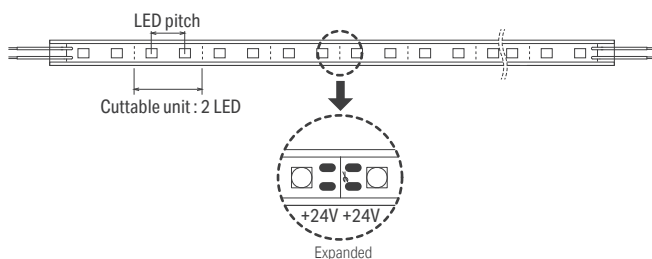
Curved installation



Minimum bending radius



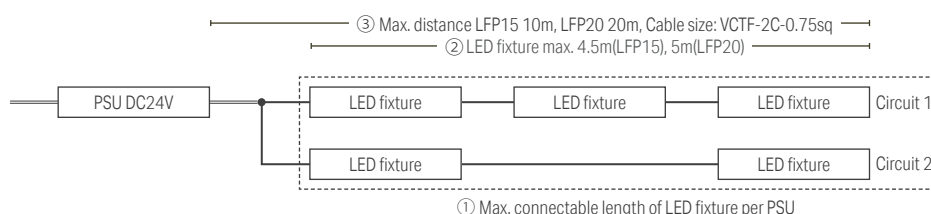
Cutting of lamp fitting



The cuttable unit of Luci Power FLEX is 2 LEDs.

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

System configuration diagram



- ① Max. connectable total length of LED fixture per power supply depends on capacity of power supply. Recommended loading factor: 70% (without dimming) or 60% (with dimming)
- ② If connectable length of LED fixture per circuit exceeds the maximum, please split into multiple circuit.
- ③ To avoid voltage drop, please consider the max. distance from power supply to the end of LED fixture. (i.e. total cable length plus LED fixture length)

Luci Power FLEX Indoor -Custom order-

Model No.

LFP - **T** - - - - **I**

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

External dimension

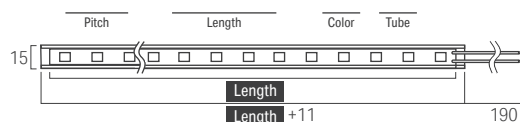
Luci Power FLEX Indoor / **W** Both ends lead wire

LFP - **T** **W** - - - **I**



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

LFP - **T** **S** - - - **I**



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

Custom order products size

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

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

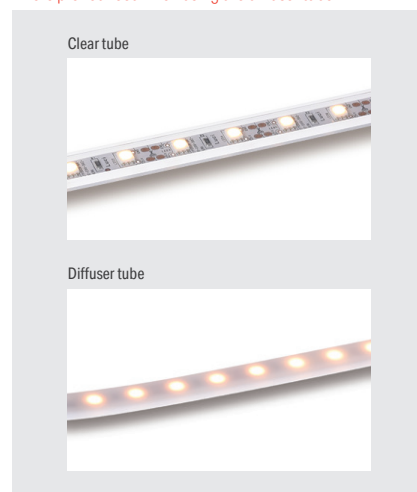
Color temperature of diffuser tube type

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

*1:

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

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



Illuminance data



LFP15

Luci Power FLEX 15mm pitch

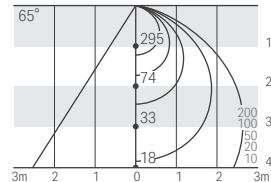
Color temperature

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

Direct horizontal surface light intensity distribution chart

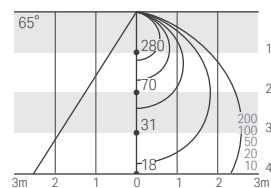
LFP15-T0900W-W-CL-I

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



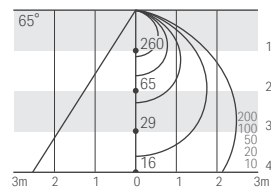
LFP15-T0900W-WW-CL-I

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



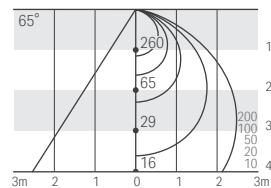
LFP15-T0900W-L30-CL-I

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



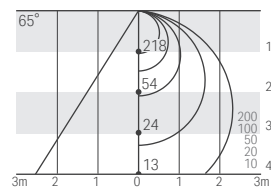
LFP15-T0900W-L27-CL-I

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



LFP15-T0900W-L24-CL-I

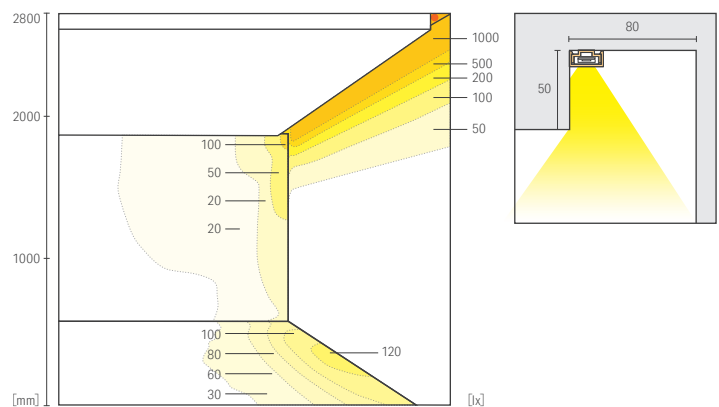
Light source color 2400K
Brightness 218 cd
Luminous flux 608 lm
Color rendering index Ra 90



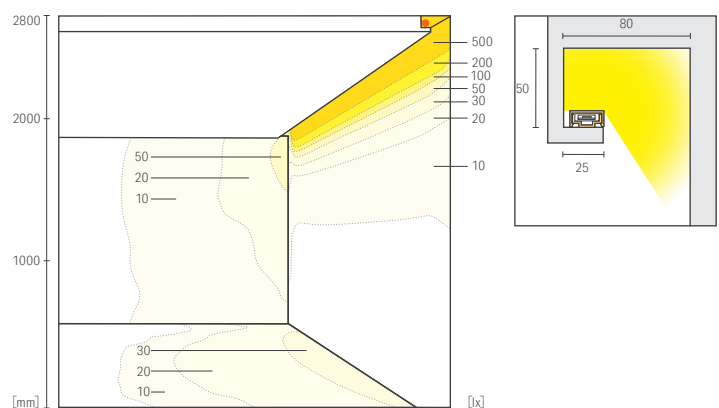
Recommend dimensions and illumination distributions

@2700K

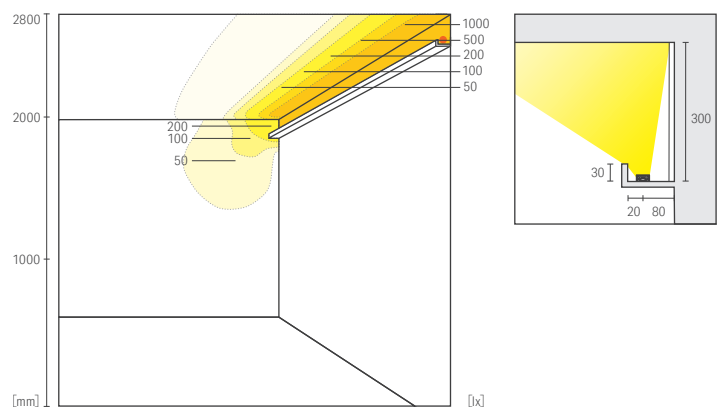
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data



LFP20 Luci Power FLEX 20mm pitch

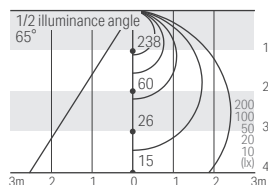
Color temperature

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

Direct horizontal surface light intensity distribution chart

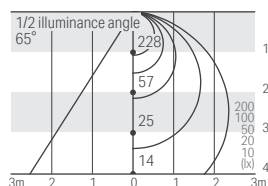
LFP20-T1000W-W-CL-I

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



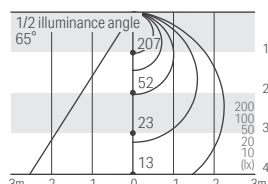
LFP20-T1000W-WW-CL-I

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



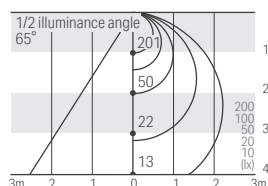
LFP20-T1000W-L30-CL-I

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



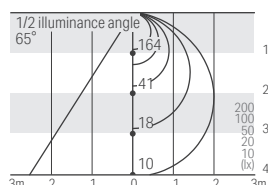
LFP20-T1000W-L27-CL-I

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



LFP20-T1000W-L24-CL-I

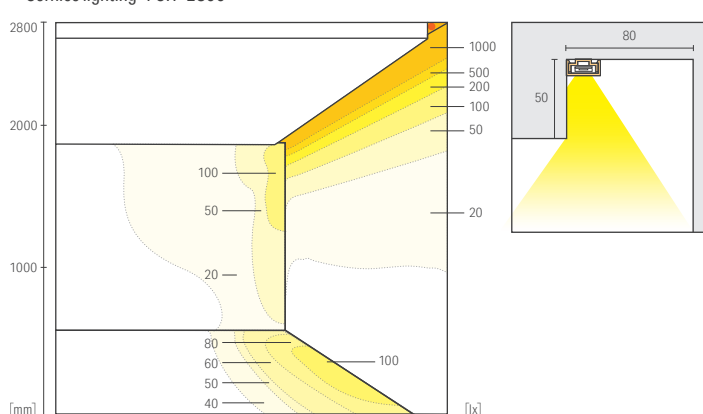
Light source color 2400K
Brightness 164 cd
Luminous flux 459 lm
Color rendering index Ra 90



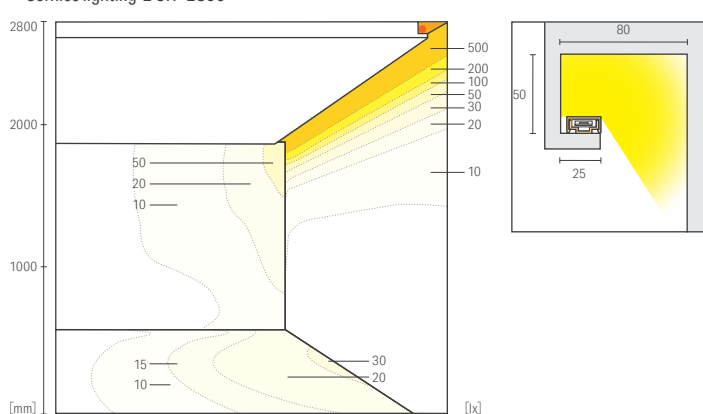
Recommend dimensions and illumination distributions

@2700K

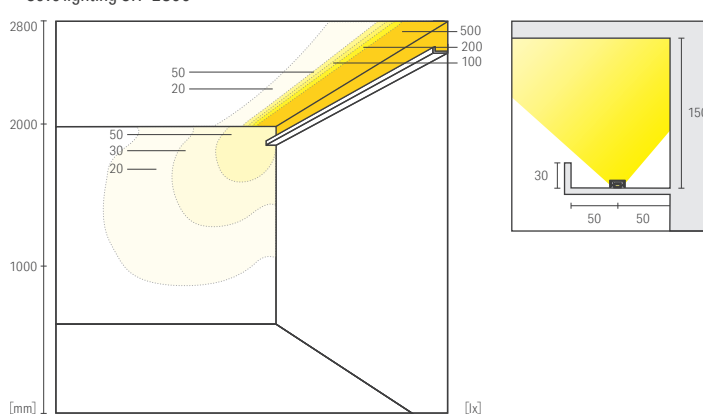
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



LFP

UQ FLEX / UQ FLEX α

Power FLEX EX

Power FLEX Spect C

Power FLEX

Power FLEX THOF

Flat FLEX F

Power FLEX α

FLEX α F