



Indoor Strip Light

LFPA

Luci Power FLEX α

Color management
CIE

CE

3 years warranty

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



Product Series	Series code	Wattage/m	Lumen/m	CRI	Cuttable unit	Custom order		IP65 available	
						Max. length	Diffuser Tube		
Luci Power FLEX EX LFPEX	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	○	2m	N/A	○
	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 LFP	LFP15	15.4 w/m	790 lm/m	Ra 90	30 mm	○	4.5m	○	○
	LFP20	10.5 w/m	563 lm/m		40 mm		5m		
Luci Power FLEX THOF LFPTH Dynamic White	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	LFTF10	3.9 w/m	282 lm/m	Ra 87	62.4 mm	○	5m	○	○
	LFTF16	2.5 w/m	176 lm/m		100 mm				
Luci Power FLEX α LFPA	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	LFXF10	3.9 w/m	252 lm/m	Ra 71	62.4 mm	○	5m	○



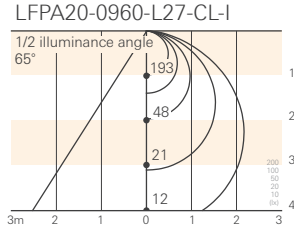


Model No.

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 : Indoors

Light Intensity



Specification

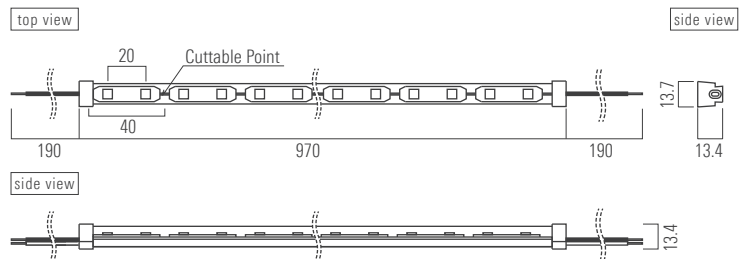
LED pitch	20mm pitch	
Model No.	LFPA20-0960-*-CL-I	
Power consumption	10.4W/m	
Fitting length(L)	970mm	
Weight	60g	
Cutttable unit	40mm (2 LED)	
Luminaire efficacy(2700K)	74.1 lm/W	
Light source color	○ = Device inventory * = Equivalent * = Please contact us since it is made-to-order products and has MOQ.	
D 7100K	-	
N 5300K Ra90	* 613 lm	
W 4200K Ra90	○ 640 lm	
WW 3500K Ra90	○ 613 lm	
L30 3000K Ra90	○ 555 lm	
L27 2700K Ra90	○ 540 lm	
L24 2400K Ra90	○ 440 lm	
L19 1900K Ra70	* 482 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	R300mm
Material (body)	Soft acrylic
Attachments	③ End cap 2pcs
Option parts	① Mounting rail ② Mounting parts ③ End cap
Certification	CE
Dimmable	○
Power Supplies	Required

External dimensions



Max. connectable length per power supply

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

Optional parts

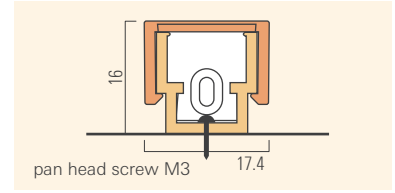
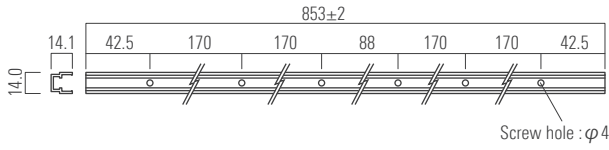
for straight

1 Mounting rail 900 for Power FLEX α **Option Parts**

Model No : LFPA-RL0900

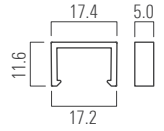
For straight installation.

side view front view



Attachment

Mounting clip for rail
Model No : LFPA-PT
5 pcs / 1 bag is included



for curved

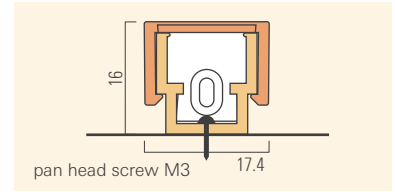
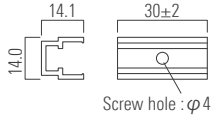
2 Mounting parts for Power FLEX α **Option Parts**

Model No : LFPA-RL0030

5 pcs/1 bag

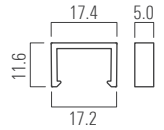
For curved installation.

side view front view



Attachment

Mounting clip for rail
Model No : LFPA-PT
5 pcs / 1 bag is included



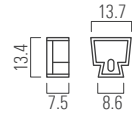
3 End cap for Power FLEX α **Attachment** **Option Parts**

Model No : LFPA-EC

2 pcs included, 2 pcs/1 bag as option parts

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

side view front view



Installing the product

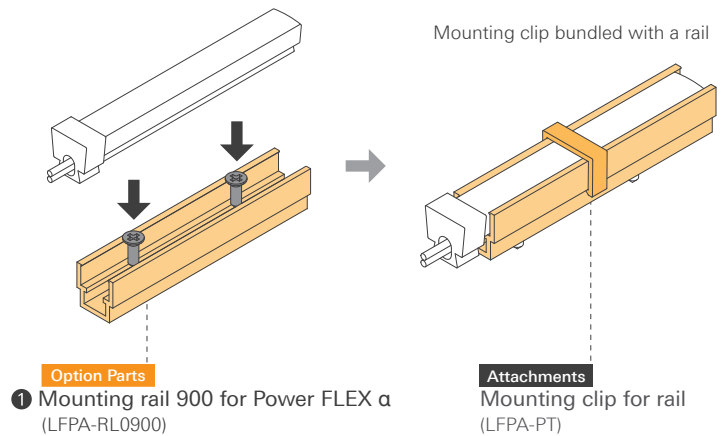
Straight installation

Screw fixing

The Mounting rail should be preset on the installation spot with screws supplied by installer.

(Pan head screws M3 recommended.)

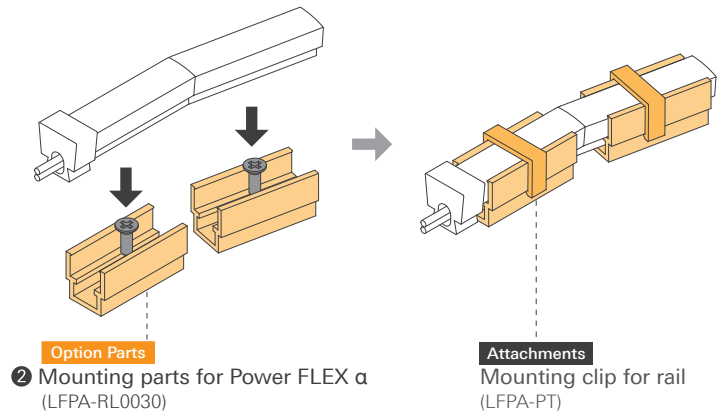
Install the LED fixture with mounting clips for rail to ensure the straight and flat installation.



Curved installation

Screw fixing

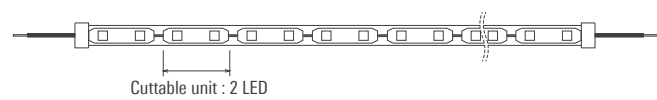
Fix the mounting parts and the mounting clips in the necessary location, depending on the processing condition.



Cutting of lamp fitting

The cuttable unit of Luci Power FLEX α is 2 LEDs.
Failure will be caused by cutting in 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.



Connecting to the power supply

■ Cables used for connecting LED fixtures and Power supply must be a suitable type and gauge.

■ Cables should be joined with suitable terminal block or methods as appropriate to the installation and operating environment.

Caution: When using a long cable with thin dimension, the resistance of cable will increase. Voltage drop and heat discharging may occur and result in brightness decreasing.

Caution: When separating one cable to multiple circuits in the same gauge, the current loading focuses on the junction of the branch circuit and high temperature will liberate on there. Please consider the loading of the power supply (quantity of LED fixture) and review the wiring system to avoid the above problem.

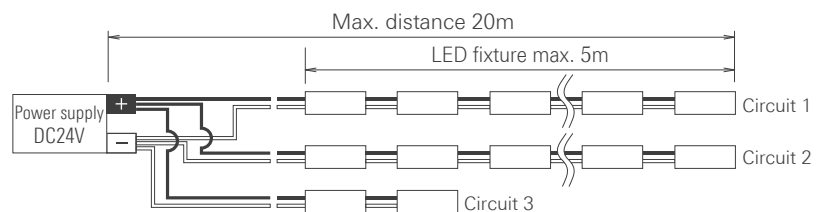
■ When connecting the dimmer driver with power supply, unpredicted noise might occur. It is a characteristic of electronic devices, not a malfunction of the LED fixture.
Please choose an appropriate power supply and consider a place to install. Reducing the loading factor of LED fixture might improve 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.

System configuration diagram

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

■ Max. length per circuit of Luci Power FLEX α is 5m.
If it exceeds 5m, please split into multiple circuits.

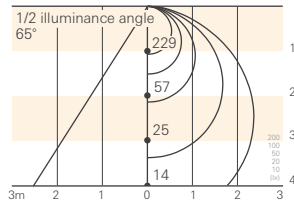
■ Max. distance from the power supply to the end of LED fixture is 20m.



Direct horizontal surface light intensity distribution chart

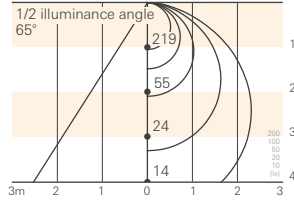
LFPA20-0960-W-CL-I

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



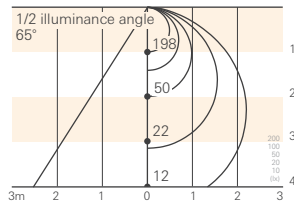
LFPA20-0960-WW-CL-I

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



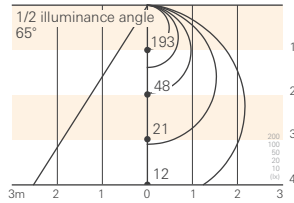
LFPA20-0960-L30-CL-I

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



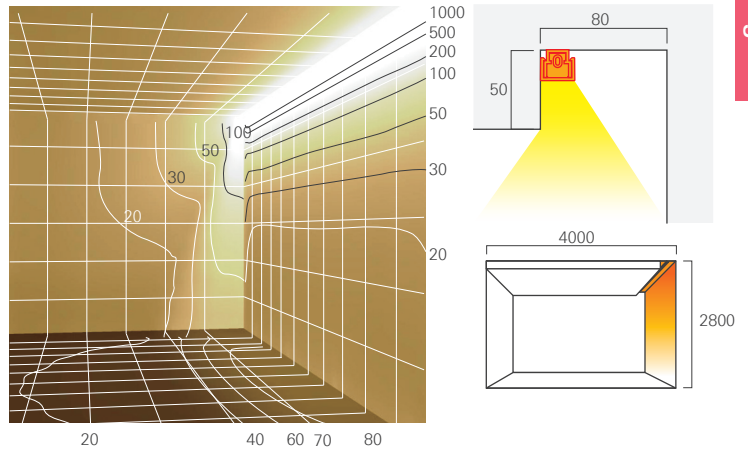
LFPA20-0960-L27-CL-I

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

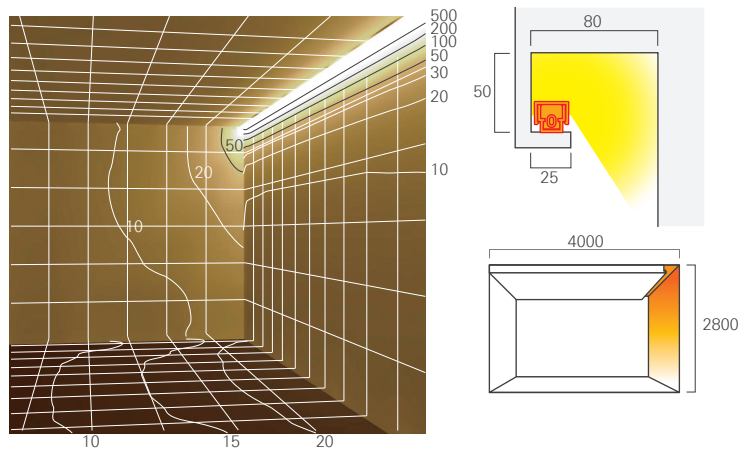


Recommend dimensions and illumination distributions

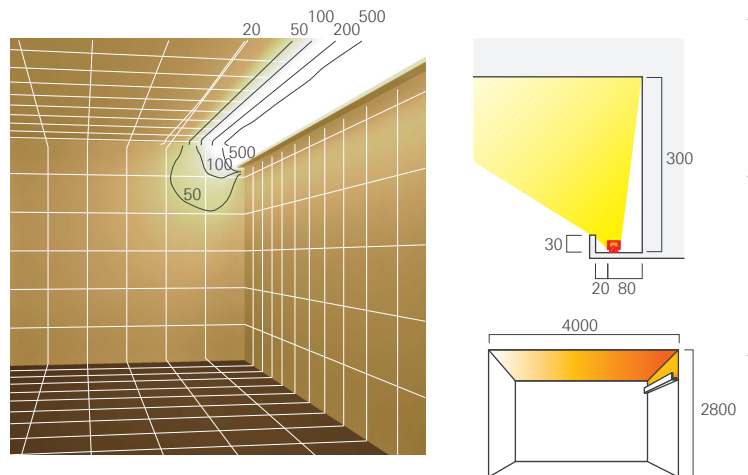
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



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