

Indoor
Strip light

LFPA Luci Power FLEX α

Color management
ANSI BIN



3 years
warranty



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-Mannegum GRID
Construction: Yoshichu-Mannegum
Lighting Design: Luminous





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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
- Cutable every 6 LEDs (125 mm)



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)
- Cutable 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



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.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 TH0F 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	○

LFPA



Color management
ANSI BIN

CE

3 years warranty

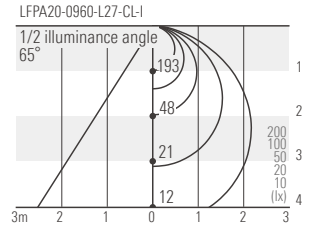
- Flexible strip with bending sideways suitable for curved light trough
- Cutable every 2 LEDs (40mm)
- Accessory for curved installation

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



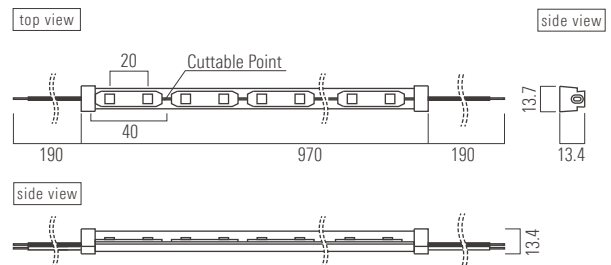
Specification

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 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	④ End cap 2pcs
Option parts	① Mounting rail ② Mounting parts ③ Mounting clip ④ End cap ⑤ Magnet
Certification	CE
Dimmable	○
Power Supplies	Required

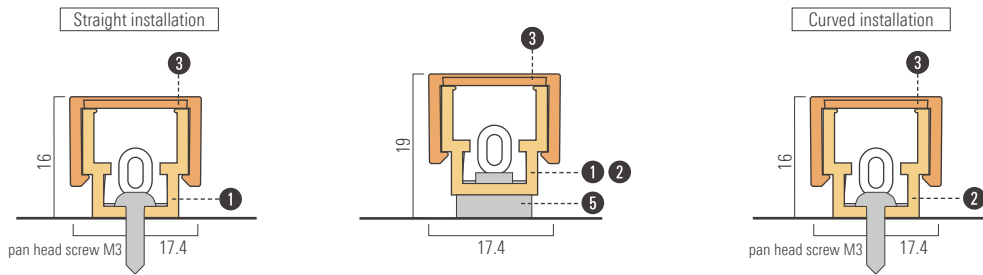
External dimentions



Max. connectable length per power supply

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

Cross sectional view when installing optional items



Option parts

1 Mounting rail 900 for Power FLEX α
 Model No : LFPA-RL0900
 ③ Mounting clip for rail (5 pcs) is included.

side view | front view

2 Mounting parts for Power FLEX α
 Model No : LFPA-RL0030
 5 pcs / bag
 ③ Mounting clip for rail (5 pcs) is included.

side view | front view

3 Mounting clip for rail **Attachments for 1 & 2**
 Model No : LFPA-PT
 For extra order, 5 pcs / bag

side view | front view

4 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

5 Magnet set for rail **New**
 Model No : MG-R
 4 pcs / bag

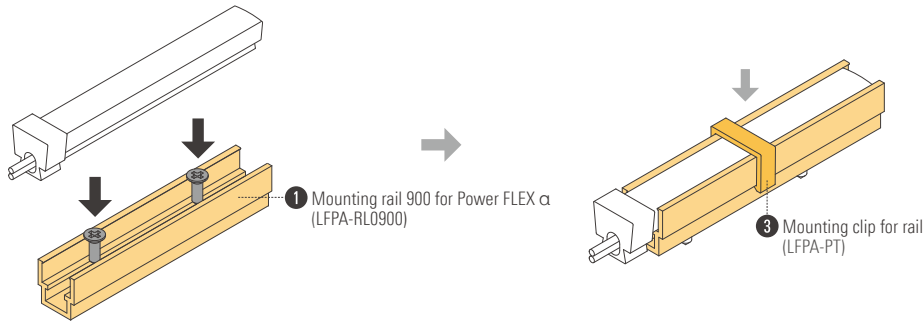
Used for installing LED fixture with mounting rail ① on metal plate.
 Metal plate is required by installer.
 Not available for Air Freight shipping.

Magnet | Plate | Screw

Luci Power FLEX α

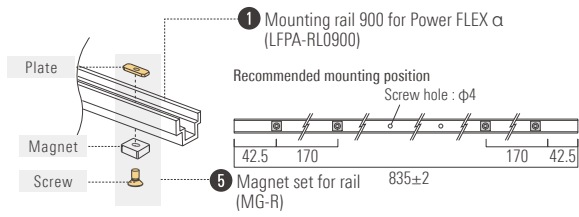
Installing the product

Straight installation

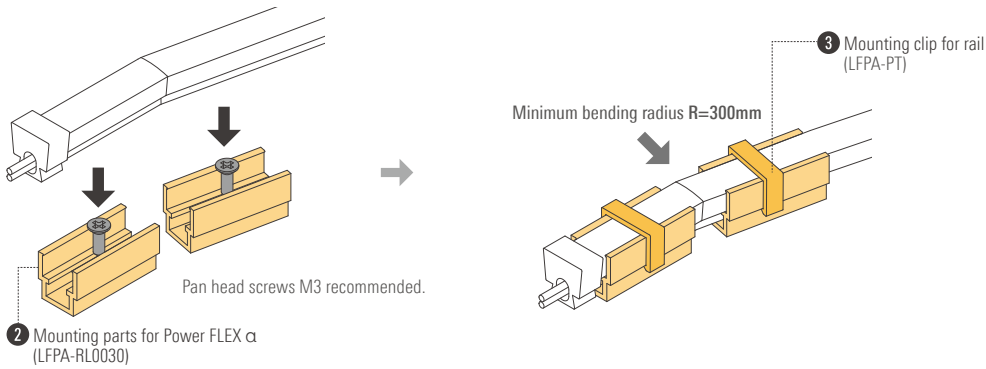


Magnet Installation

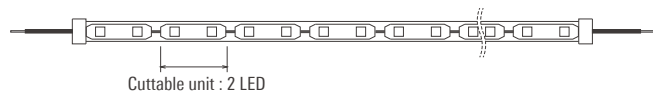
Mounting rail 1000 for Power FLEX



Curved installation



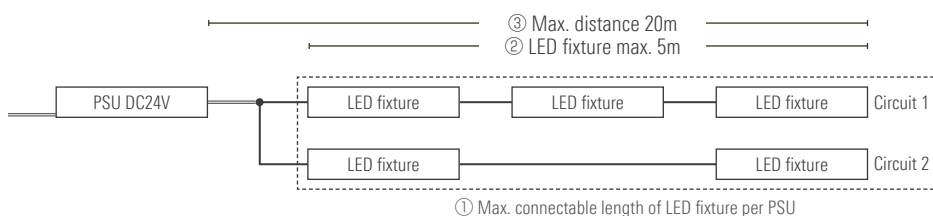
Cutting of lamp fitting



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

Failure will be 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



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

Illuminance data



LFPA20
Luci Power FLEX α

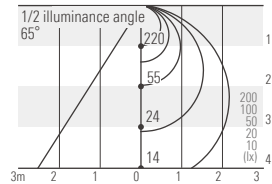
Color temperature

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

Direct horizontal surface light intensity distribution chart

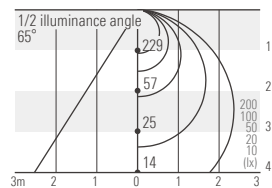
LFPA20-0960-N-CL-I

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



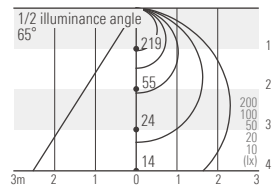
LFPA20-0960-W-CL-I

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



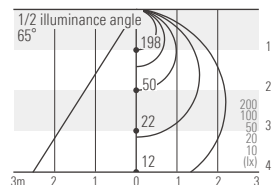
LFPA20-0960-WW-CL-I

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



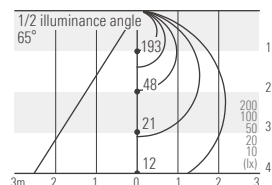
LFPA20-0960-L30-CL-I

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



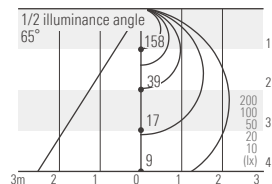
LFPA20-0960-L27-CL-I

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



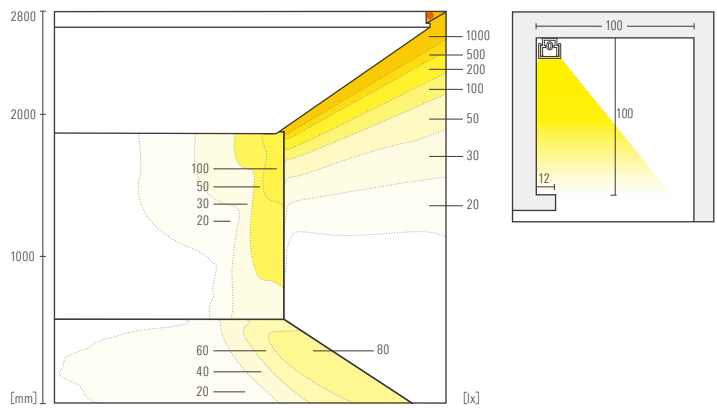
LFPA20-0960-L24-CL-I

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

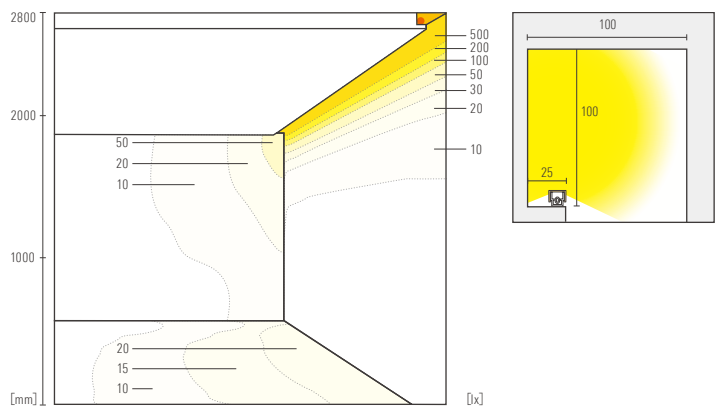


Recommend dimensions and illumination distributions @2700K

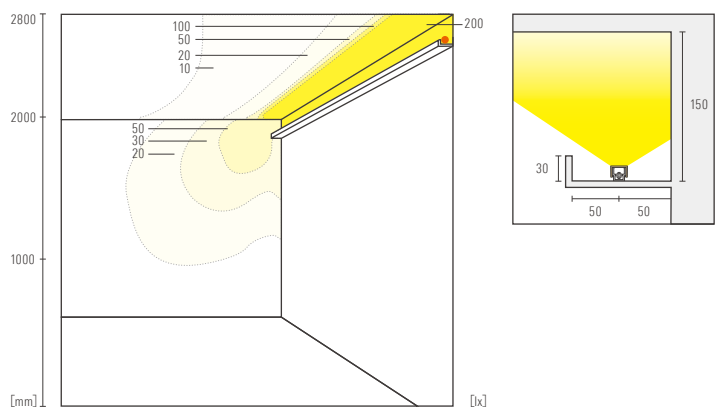
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



LFPA

Power FLEX EX

Power FLEX Spectic

Power FLEX

Power FLEX THOF

Flat FLEX F

Power FLEX α

FLEX α F