

Indoor  
Strip light

# LFPA Luci Power FLEX α



# 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

# LFPA



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



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

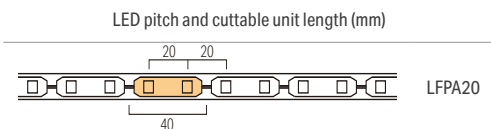


# Luci Power FLEX α

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

## Specifications

### Dimensions

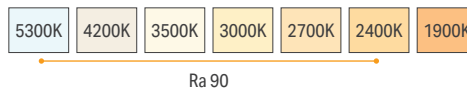


Cross section W 13.7 x H 13.4 mm  
Standard length 970 mm with both ends open end wire

### Electrical & Output

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

### Color temperature

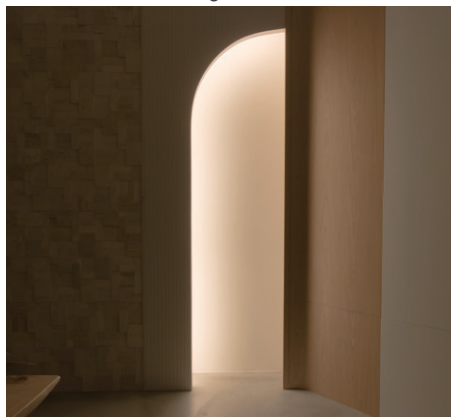


### Min Bending radius

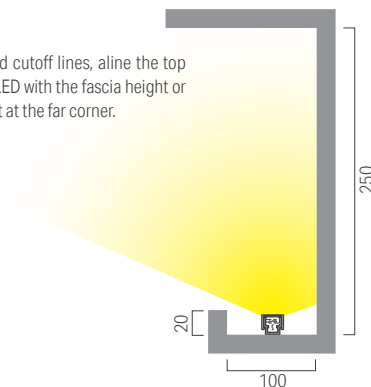
R 150mm in side (horizontal) bend direction



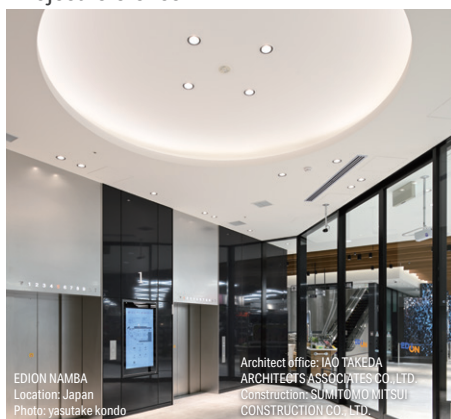
## TIPS: Curved cove light



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



## Project reference



# LFPA

Color management  
ANSI BIN



3 years  
warranty

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

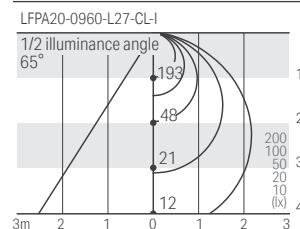


Model No.

**LFPA20 - 0960 - □ - CL - I**

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

Light Intensity Refer to P.87



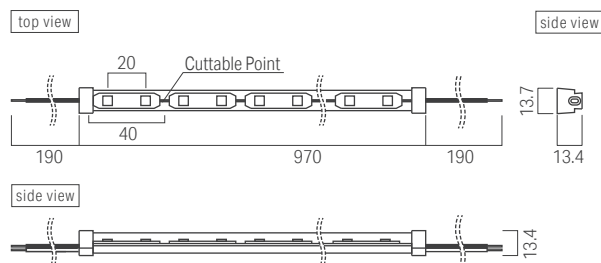
## Specification

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

## General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R150mm
Material (body)	Soft acrylic
Attachments	④ End cap 2pcs
Option parts	① Mounting rail ② Mounting parts ③ Mounting clip ④ End cap ⑤ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM, etc.)
Power Supplies	Required

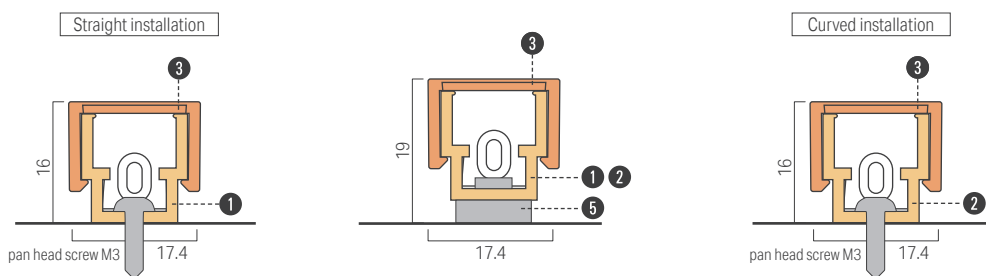
## External dimensions



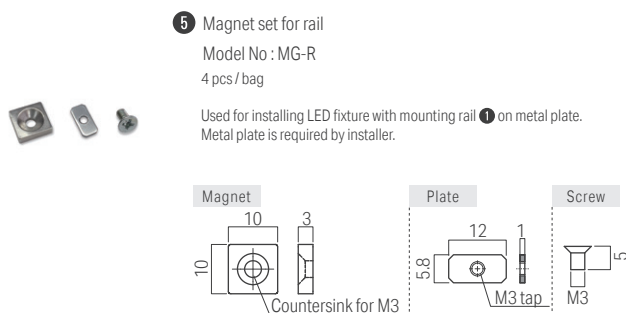
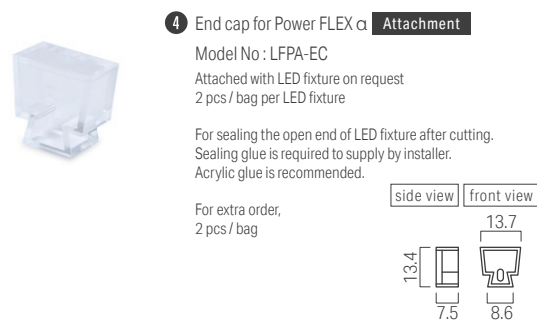
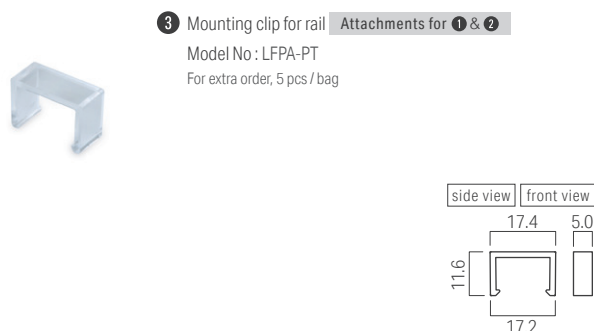
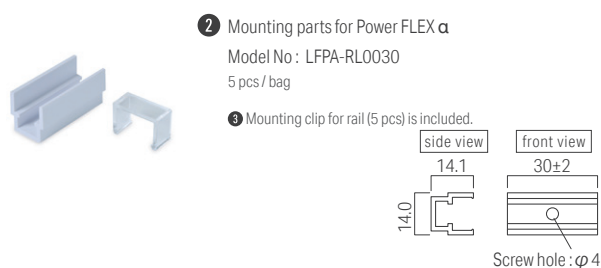
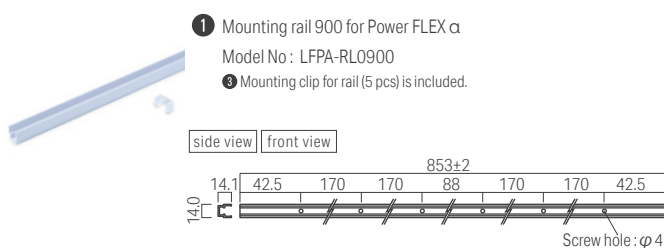
## Max. connectable length per power supply

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

## Cross sectional view when installing optional items



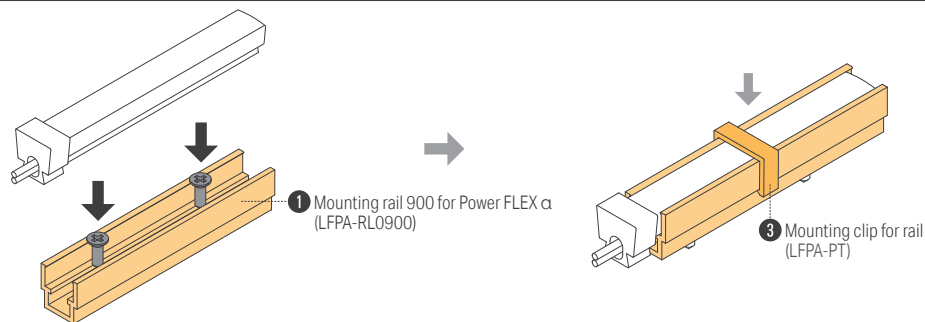
## Option parts



# Luci Power FLEX α

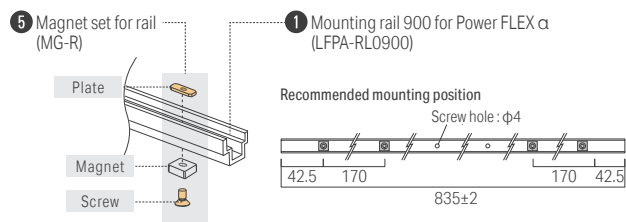
## Installing the product

### Straight installation

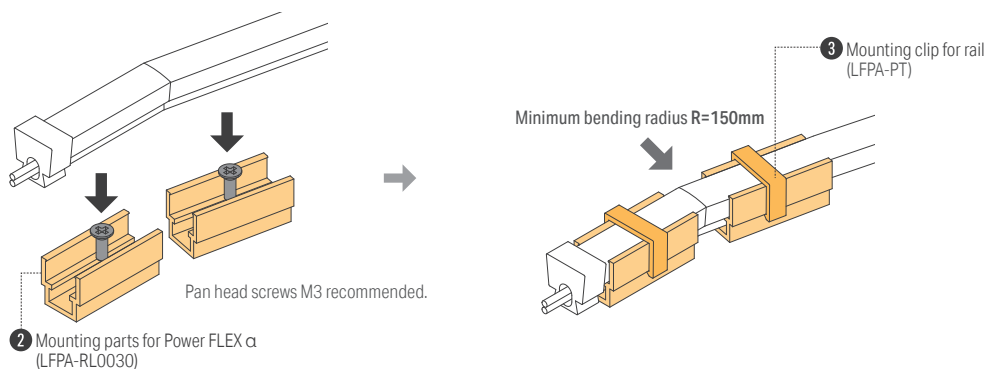


#### Magnet Installation

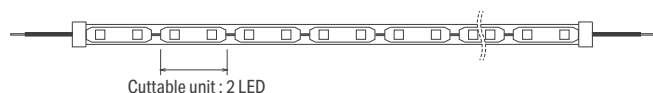
Mounting rail 1000 for Power FLEX



### Curved installation



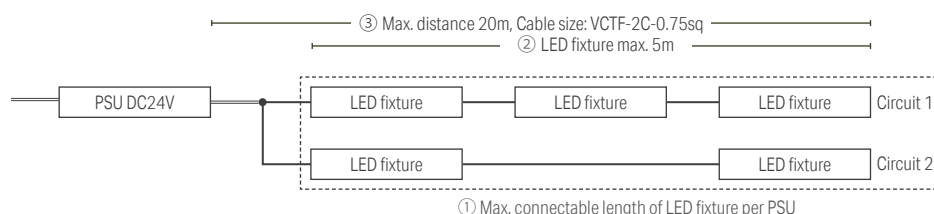
### Cutting of lamp fitting



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

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

### System configuration diagram



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

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

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

