

Outdoor  
Strip light

# LFP-0 Luci Power FLEX IP65



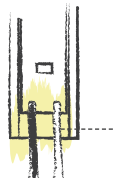
# Luci FLEX IP65 series

3 years warranty



Soft acrylic tube

Good heat dissipation comes the non-fully encapsulated structure.



Special sealing material and treatment with primer strongly fix the tube and cable with high airtightness to prevent water intrusion.

IP65 connector



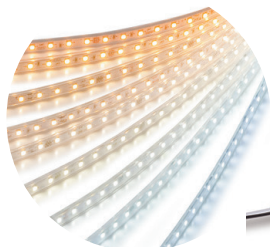
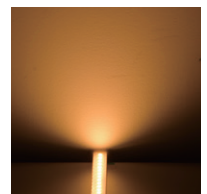
## Top bend



### Luci Power FLEX EX IP65

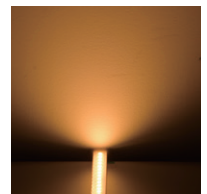
Our next FLEX standard with preferable price

- 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



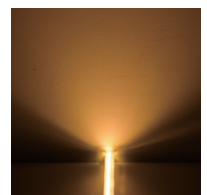
### Luci Power FLEX IP65

- 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



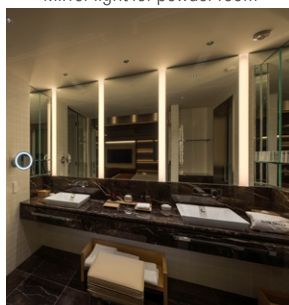
## Application

### Top bend

Facade indirect light



Mirror light for powder room

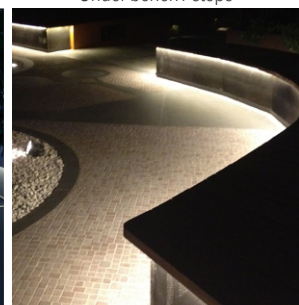


### Side bend

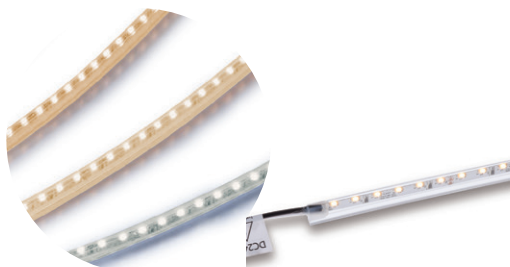
Handrail



Under bench / steps

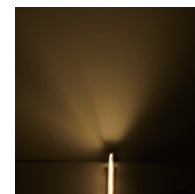


## Side bend



## 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	
						Max. length	Diffser Tube
Top bend	Luci Power FLEX EX IP65 LFPEX P.190	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	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.196	LFP15	15.4 W/m	790 lm/m	Ra 90	4.5m	
		LFP20	10.5 W/m	563 lm/m		5m	
	Luci Flat FLEX IP65 LFTF P.202	LFTF10	3.9 W/m	282 lm/m	Ra 87	5m	
		LFTF16	2.5 W/m	176 lm/m			
	Luci FLEX α IP65 LFXF P.208	LFXF10	3.9 W/m	252 lm/m	Ra 71	5m	

## Side bend





# LFP-0



19 Balmoral Road  
Location: Singapore  
Photo: Robert Such



ROKU KYOTO, LXR Hotels & Resorts  
Location: Japan  
Owner: TOKYU LAND CORPORATION  
Architect office: Tokyu Architects & Engineers INC.

Interior design: BLINK Design Group Pte Ltd  
Landscape Design: 10 LANDSCAPE ASSOCIATES  
Lighting design: WORKTECHT&Co.  
Construct: TAKENAKA CORPORATION





## Luci Power FLEX IP65

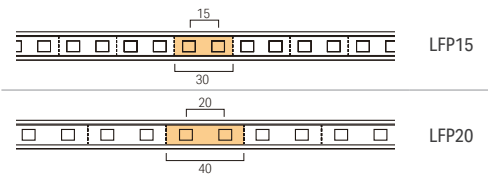
Luci's longest selling IP65 strip light best use for exterior furniture and facade concealed cove

Short unit lengths for delicate designs, with easy custom length order

### Specifications

#### Dimensions

LED pitch and unit length (mm)



Cross section W 15 x H 4.5 mm  
 Standard length 1m with both ends IP67 connector  
 Custom order up to 4.5m (LFP15) or 5m (LFP20) length at every unit length with both ends or one end feed cable with IP67 connector

Do not allow to cut the LED fixture and cable at site.

#### Electrical & Output

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

#### Color temperature



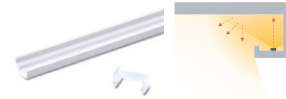
#### Min Bending radius

R 50mm in top (vertical) bend direction

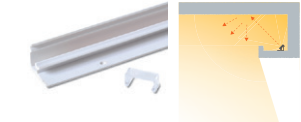


#### Accessories

Mounting rail 1000 for Power FLEX



45° Mounting rail 1000 for Power FLEX



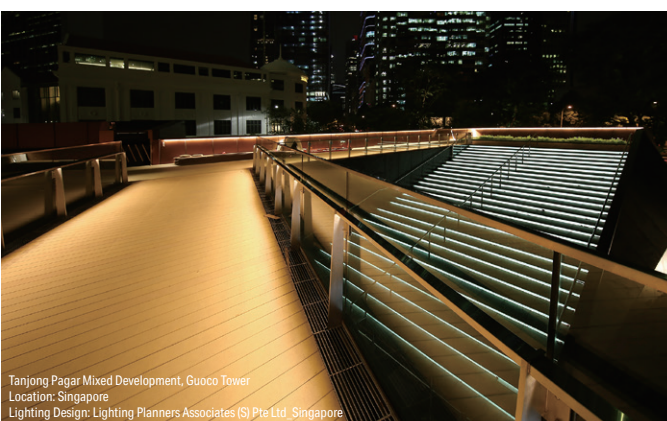
Easy to cut these rails at site as it's made by AES material



#### 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 proved by sunshine weather-resistant tests applied in the automotive industry.

### Project reference



# LFP-0

Color management  
ANSI BIN



3 years  
warranty

- 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

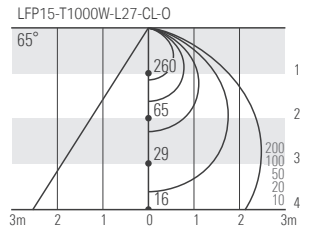


Model No.

**LFP**   - **T**     -  -  - **O**

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFP15: 15mm pitch	Custom order length P.201	<b>D</b> : Daylight white <b>N</b> : Natural white <b>W</b> : White <b>WW</b> : Warm white 3500K <b>L30</b> : Warm white 3000K <b>L27</b> : Warm white 2700K <b>L24</b> : Warm white 2400K <b>L19</b> : Warm white 1900K <b>B</b> : Blue	<b>CL</b> : Clear <b>DF</b> : Diffuser	<b>O</b> : Outdoor
LFP20: 20mm pitch				
	<b>W</b> : Both ends <b>S</b> : One ends			

Light Intensity Refer to P.66



## Specification @ Clear cover

LED pitch	15mm pitch	20mm pitch
Model No.	LFP15-T0900W-□-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 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	* -lm	* 512lm
B	*	*

## General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	In/Outdoor (no condensation) IP65
Max. length per circuit	15 mm pitch : 4.5m 20 mm pitch : 5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	① ② ③ ④ Mounting rail ⑤ ⑥ Mounting clip ⑦ Power supply cable
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	50W power supply
~2.2m	~3.3m	100W power supply
~4.5m	~6.6m*	150W power supply
~6.8m*	~10m*	

## External dimensions

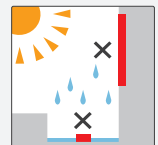


## Prohibited installation places:

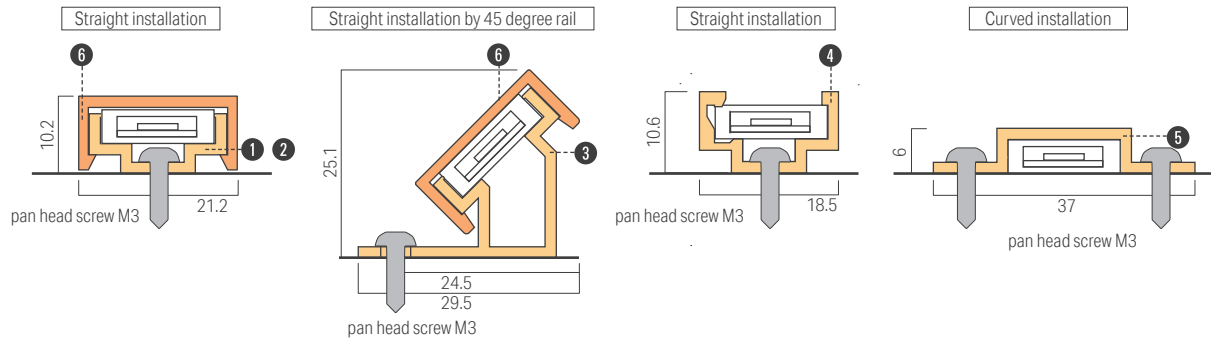
- direct expose to water / pooling of water
- direct sunlight
- liquids including choline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

## 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.


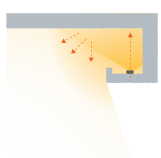
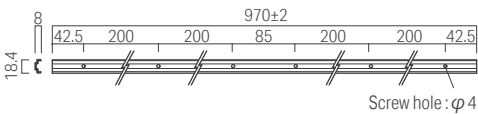


## Cross sectional view when installing optional items




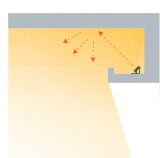
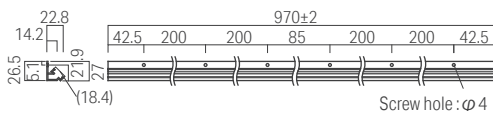
## Option parts

**1** Mounting rail 1000 for Power FLEX  
Model No : LFP-RL1000  
Material: AES  
⑥ Mounting clip for rail (5pcs) is included.


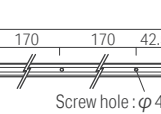
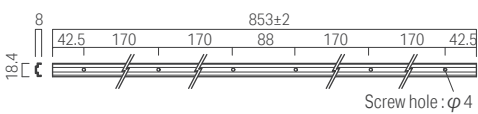
Screw hole :  $\phi 4$

**3** 45° Mounting rail 1000 for Power FLEX  
Model No : LFP-45RL1000  
Material: AES  
⑥ Mounting clip for rail (5pcs) is included.

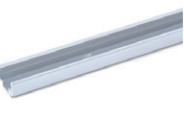
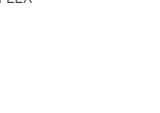
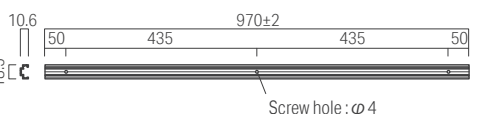
Screw hole :  $\phi 4$

**2** Mounting rail 900 for Power FLEX  
Model No : LFP-RL0900  
⑥ Mounting clip for rail (5pcs) is included.


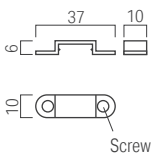
Screw hole :  $\phi 4$

**4** Aluminum mounting rail 1000 for Power FLEX  
Model No : LFP-RL1000-AL


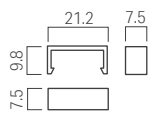
Screw hole :  $\phi 4$

**5** Mounting clip for Power FLEX  
Model No : LFP-RC  
5 pcs / bag  
For curved installation






Screw hole :  $\phi 4.5$

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

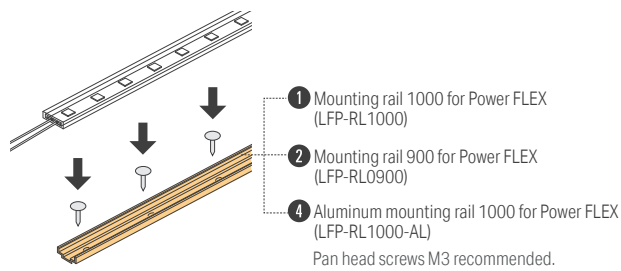
**7** Outdoor cable 3M TR connector for FLEX **Required**  
Model No : CAD-3000-MEFE-O  
1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.

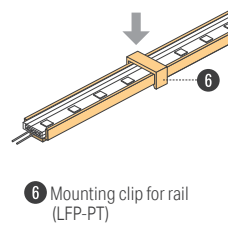
# Luci Power FLEX IP65

## Installing the product

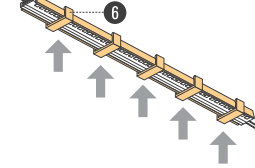
### Straight installation



#### Cove lighting

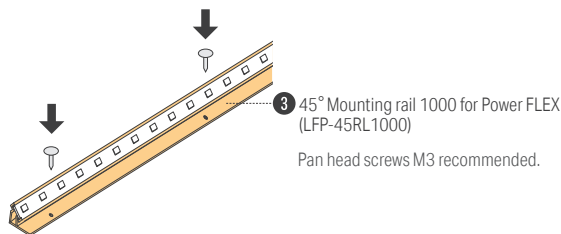


#### Cornice lighting

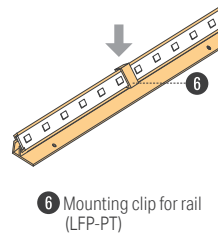


For downward installation, mounting clips for rail can prevent falling.  
Recommended: 5 pcs per 1 m  
\* In case of Aluminum mounting rail 1000 for Power FLEX, Mounting clip for rail is not necessary.

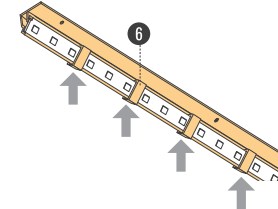
### Straight installation by 45 degree rail



#### Cove lighting

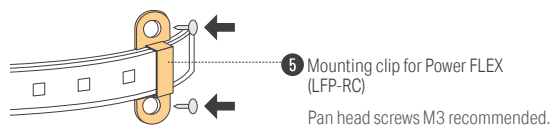


#### Cornice lighting



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

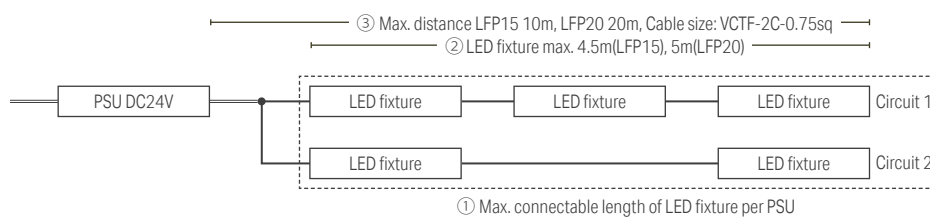
### Curved installation



#### Minimum bending radius



### 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 IP65 -Custom order-

Model No.

LFP

-

T

-

-

-

-

O

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

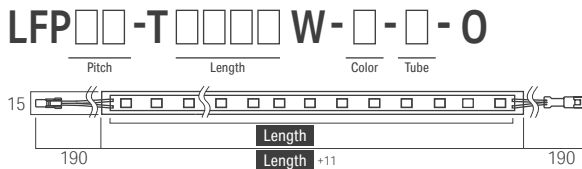
B Blue Blue

CL Clear  
DF Diffuser

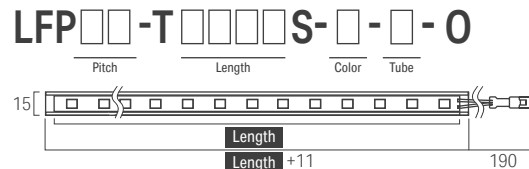
O Outdoor

## External dimension

Luci Power FLEX IP65 / W Both ends lead wire



Luci Power FLEX IP65 / S One end lead wire



## 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  $\pm 10\%$ . 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.

