

Outdoor  
Strip light

# LFTF-0 Luci Flat FLEX F IP65



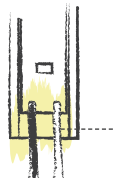
# Luci FLEX IP65 series

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



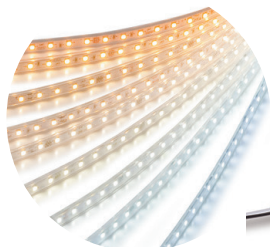
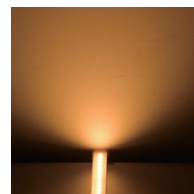
## Top bend



### Luci Power FLEX EX IP65

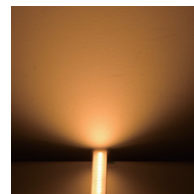
Our next FLEX standard with preferable price

- 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



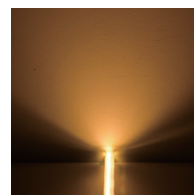
### Luci Power FLEX IP65

- 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

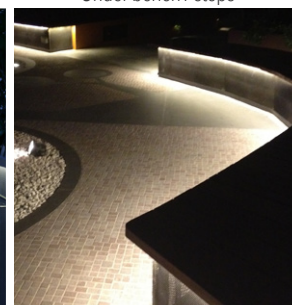


### Side bend

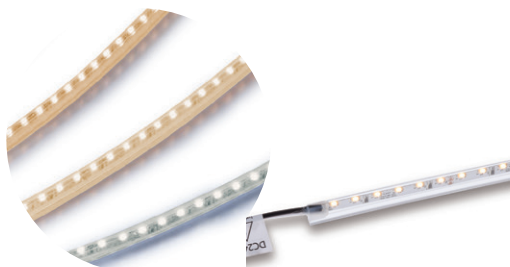
Handrail



Under bench / steps

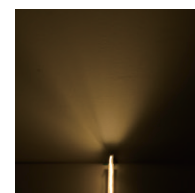


## Side bend



## 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	○	N/A
		LFPEX30(6.5W)	6.5 W/m	516 lm/m	Ra 92	5m	
		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			
Side bend	Luci FLEX α IP65 LFXF P.208	LFXF10	3.9 W/m	252 lm/m	Ra 71	○	5m ○



Luci Flat FLEX F IP65

# LFTF-0



Kanazawa Castle Park Nezumitamom Bridge Slope at OYAMA shrine side  
Location: Japan  
Client: Ishikawa Prefecture

Lighting design: Reiko Chikada Lighting Design Inc.  
Construction: NAKA CORPORATION  
Photo: NAKA CORPORATION



Gardens by the Bay, Cloud Forest  
Location: Singapore  
Lighting Design: Lighting Planners Associates





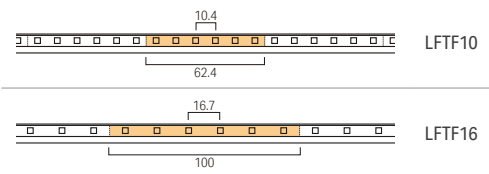
## Luci Flat FLEX F IP65

Low power IP65 strip light with narrow LED pitch  
ideal for concealed light in low lux level  
High transparency soft acrylic tube for high efficiency,  
easy installation and maintenance

### Specifications

#### Dimensions

LED pitch and unit length (mm)

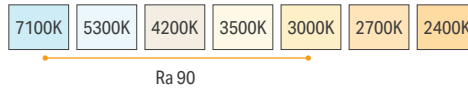


Cross section W 10 x H 4 mm  
Standard length 1m with both ends IP67 connector  
Custom order up to 5m length at every unit length with both ends or one end feed cable with IP67 connector  
Do not allow to cut the LED fixture and cable at site

#### Electrical & Output

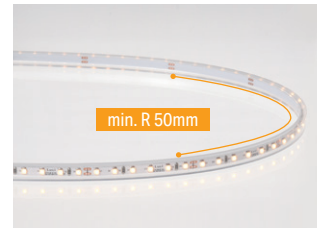
Model	LFTF10	LFTF16
Power Consumption (W/m)	3.9	2.5
Luminous flux @ 3000K (lm/m)	300	187

#### Color temperature



#### Min Bending radius

R 50mm in top (vertical) bend direction



### Project reference



# LFTF-0

Color management  
ANSI BIN



3 years  
warranty

- Customized length available up to 5m per roll
- 2 types of wattage and LED pitch: 3.9W/m (LFTF10), 2.5W/m (LFTF16)
- Covered with soft acrylic tube



Model No.

**LFTF**   - **T**     -  -  - **O**

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFTF10 : 10mm pitch	Custom order length P.207	<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>CL</b> : Clear <b>DF</b> : Diffuser	<b>O</b> : Outdoor
LFTF16 : 16mm pitch				
<b>W</b> : Both ends <b>S</b> : One ends				

## Specification @ Clear cover

LED pitch	10mm pitch	16mm pitch
Model No.	LFTF10-T1000W-CL-O	LFTF16-T1000W-L27-CL-O
Power consumption	3.9W/m	2.5W/m
Fitting length	1010mm	1010mm
Weight	40g	40g
Unit length	62.4mm (6 LED)	100mm (6 LED)
Luminaire efficacy (2700K)	72.3 lm/W	70.4 lm/W
Light source color	○ = Device inventory * = Equivalent * = Please contact us since it is made-to-order products and has MOQ.	
D 7100K Ra94	* 324lm	* -lm
N 5300K Ra94	* 329lm*	* -lm
W 4200K Ra90	○ 294lm	○ -lm
WW 3500K Ra90	○ 305lm	○ -lm
L30 3000K Ra90	○ 300lm	○ 187lm*
L27 2700K Ra87	○ 282lm	○ 176lm*
L24 2400K Ra83	○ 229lm*	○ 143lm*
L19 1900K	-	-

## General Specification

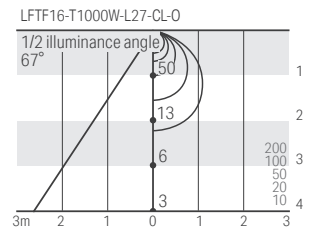
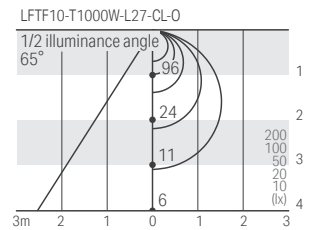
Input voltage	DC24V
LED beam angle	120°
Environment	In/Outdoor (no condensation) IP65
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	① Mounting rail ② ③ Mounting clip ④ Power supply cable
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

## Max. connectable length per power supply

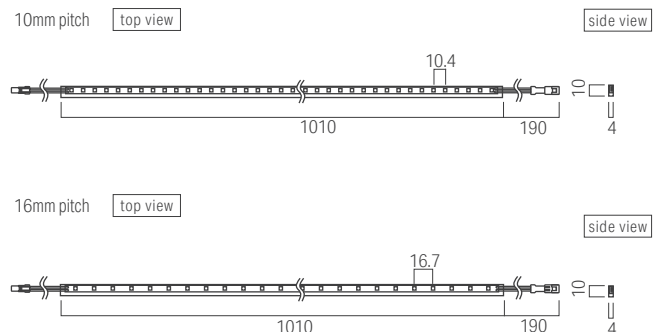
Length of LED fixture (70% loading factor) *: split into multiple circuits		Power supply
10mm pitch	16mm pitch	
~9m*	~14m*	50W power supply
~18m*	~28m*	100W power supply
~27m*	~42m*	150W power supply

## Light Intensity

Refer to P.78



## External dimensions

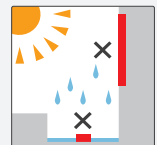


## Prohibited installation places:

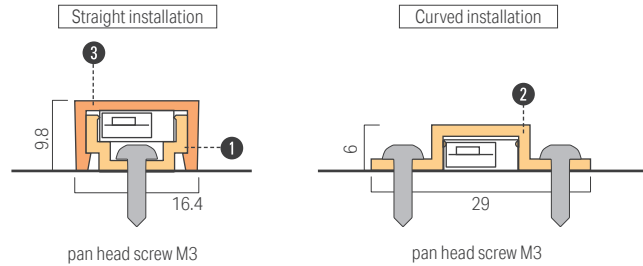
- direct expose to water / pooling of water
- direct sunlight
- liquids including choline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray

## Caution:

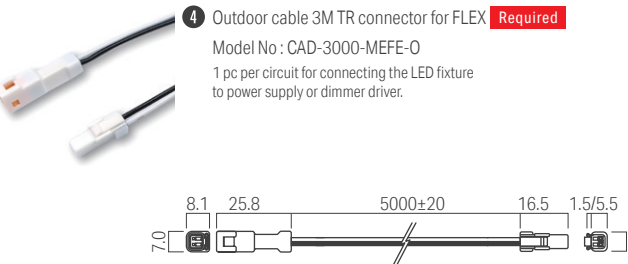
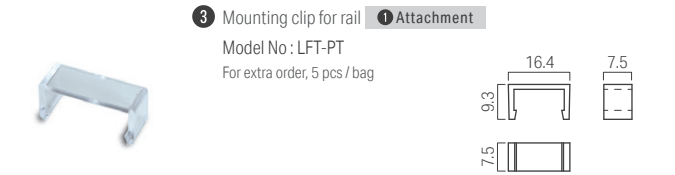
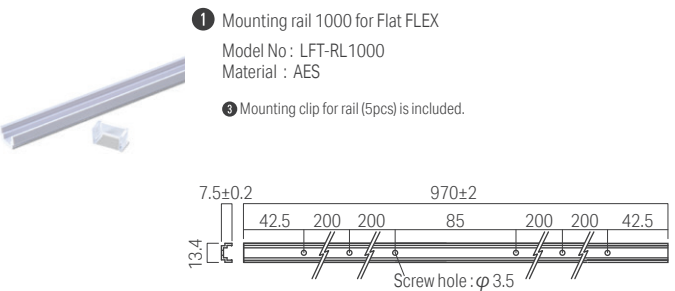
Do not cut the LED fixture and the lead wire of outdoor product at a job site. Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.



Cross sectional view when installing optional items



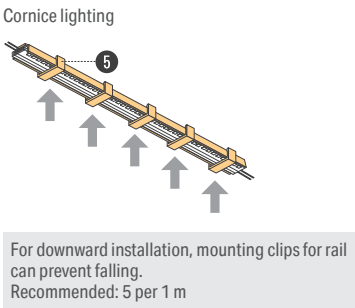
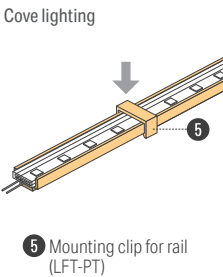
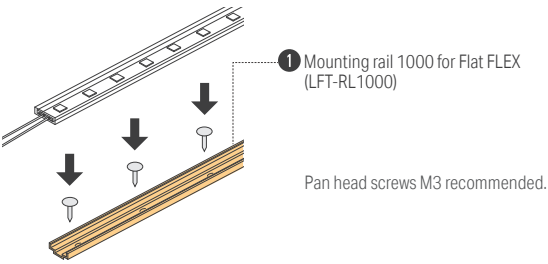
Option parts



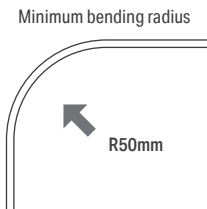
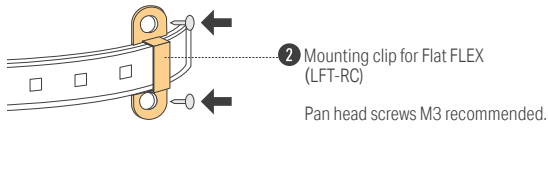
# Luci Flat FLEX F IP65

## Installing the product

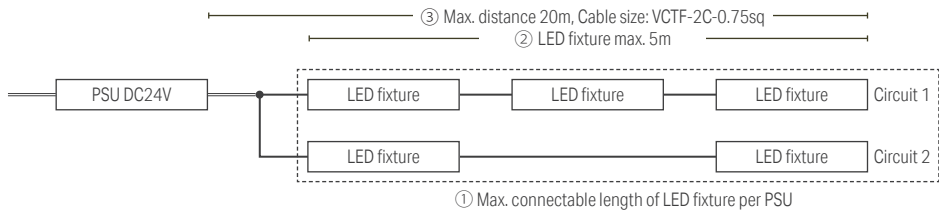
### Straight installation



### Curved installation



## 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 Flat FLEX F IP65 -Custom order-

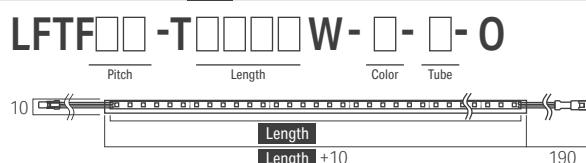
Model No.

**LFTF**   - **T**      -  -  -  - **O**

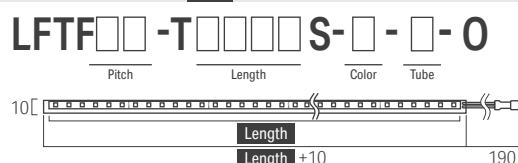
LED Pitch	Length	Lead Wire	Light source color	Tube type	Environment
<b>10</b> 10mm Pitch <b>16</b> 16mm Pitch	Refer to "Custom order products size"	<b>W</b> Both ends lead wire <b>S</b> One end lead wire	<b>D</b> Daylight white 7100K <b>N</b> Natural white 5300K <b>W</b> White 4200K <b>WW</b> Warm white 3500K 3500K <b>L30</b> Warm white 3000K 3000K <b>L27</b> Warm white 2700K 2700K <b>L24</b> Warm white 2400K 2400K	<b>CL</b> Clear <b>DF</b> Diffuser	<b>O</b> Outdoor

External dimension

Luci Flat FLEX F IP65 / **W** Both ends lead wire



Luci Flat FLEX F IP65 / **S** One end lead wire



Custom order products size

Luci Flat FLEX F IP65 10mm pitch (3.9 W/m)				
Corresponds to <b>Length</b> of Model No. and External dimensions				
0063	1063	2063	3063	4063
0125	1125	2125	3125	4125
0188	1188	2188	3188	4188
0250	1250	2250	3250	4250
0313	1313	2313	3313	4313
0375	1375	2375	3375	4375
0438	1438	2438	3438	4438
0500	1500	2500	3500	4500
0563	1563	2563	3563	4563
0625	1625	2625	3625	4625
0688	1688	2688	3688	4688
0750	1750	2750	3750	4750
0813	1813	2813	3813	4813
0875	1875	2875	3875	4875
0938	1938	2938	3938	4938
1000	2000	3000	4000	5000

Luci Flat FLEX F IP65 16mm pitch (2.5 W/m)				
Corresponds to <b>Length</b> of Model No. and External dimensions				
0100	1100	2100	3100	4100
0200	1200	2200	3200	4200
0300	1300	2300	3300	4300
0400	1400	2400	3400	4400
0500	1500	2500	3500	4500
0600	1600	2600	3600	4600
0700	1700	2700	3700	4700
0800	1800	2800	3800	4800
0900	1900	2900	3900	4900
1000	2000	3000	4000	5000

Color temperature of diffuser tube type

Nominated Light source color (clear tube)		Color temperature through diffuser tube*1
D	7100 K	5200 K
N	5300 K	4400 K
W	4200 K	3700 K
WW	3500 K	3000 K
L30	3000 K	2700 K
L27	2700 K	2400 K
L24	2400 K	2100 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.

