

Outdoor
Strip light

LFPEX-0

Luci Power FLEX EX IP65



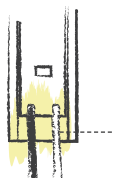
Luci FLEX IP65 series

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



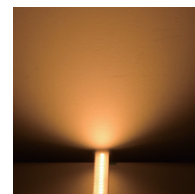
Top bend



Luci Power FLEX EX IP65

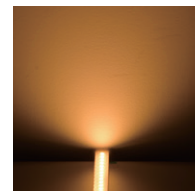
Our next FLEX standard with preferable price

- 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



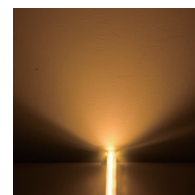
Luci Power FLEX IP65

- 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



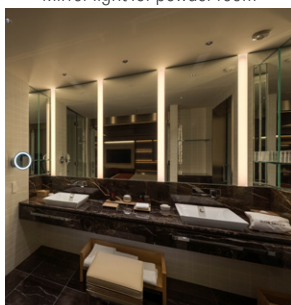
Application

Top bend

Facade indirect light



Mirror light for powder room

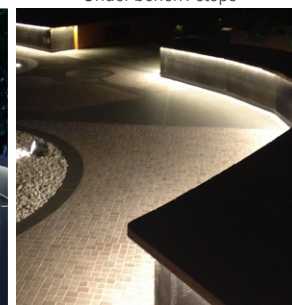


Side bend

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			
Side bend	Luci FLEX α IP65 LFXF P.208	LFXF10	3.9 W/m	252 lm/m	Ra 71	5m	



Luci Power FLEX IP65

LFPEX-0



9 Penang Road
Location: Singapore
Lighting Design: Arup Singapore



Kanazawa Tokyu Hotel
Location: Japan
Owner: TOKYU HOTELS CO., LTD.
Architect office: ILVA Corporation

Lighting Design: sola associates
Construction: Tokyu Construction Co., Ltd.
Photo: Nacasa & Partners Inc.

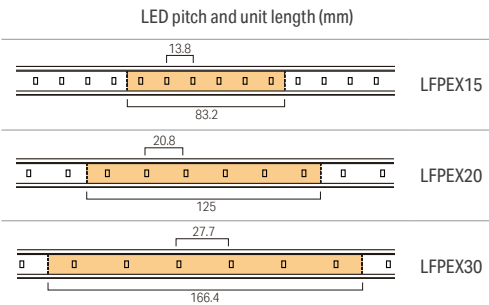


Luci Power FLEX EX IP65

Best - selling strip light with superb price-performance
ideal for large scale projects.
Application is ideal for concealed lighting
with sufficient depth, backlit for light box

Specifications

Dimensions

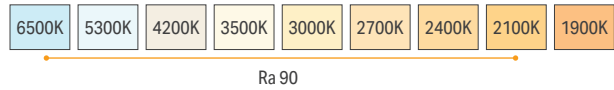


Cross section W 15 x H 4.5 mm
Standard length 1m with both ends IP67 connector
Custom order up to 5m (LFPEX20/30) or 3.5m (LFPEX15) length at every unit length
with both ends or one end feed cable with IP67 connector
Do not allow to cut the LED fixture and cable at site.

Electrical & Output

Model	LFPEX15	LFPEX20	LFPEX30	LFPEX30	LFPEX30
Power Consumption (W/m)	18.2	12.1	9.5	6.5	4.5
Luminous flux @ 3000K (lm/m)	1493	1008	644	408	308

Color temperature



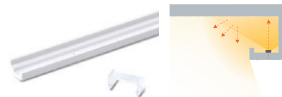
Min Bending radius

R 50mm in top (vertical) bend direction

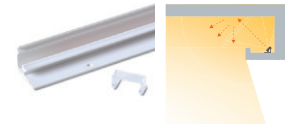


Accessories

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

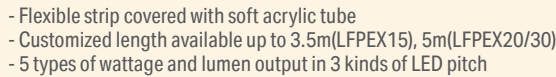
- Higher protection performance than bare LED strip against unexpected static electricity, external force and environmental factors which may cause damage to the circuit board and components.
- Long-lasting characteristics are maintained against deformation, discolouration, and deterioration certify by sunshine weather-resistant tests applied in the automotive industry.

Project reference

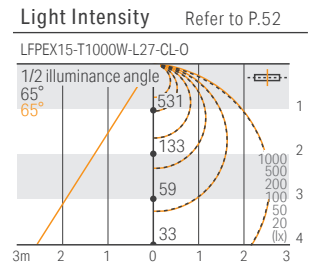


Tanah Merah Country Club / Location : Singapore / Photo : Robert Such

LFPEX-0



Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment	Wattage
LFPEX15 : 15mm pitch	Custom order length P.195	N : Natural white W : White WW : Warm white 3500K L30 : Warm white 3000K L27 : Warm white 2700K L24 : Warm white 2400K L21 : Warm white 2100K L19 : Warm white 1900K	CL : Clear	O : Outdoor	only for LFPEX30 9 : 9.5W 6 : 6.5W 4 : 4.5W
LFPEX20 : 20mm pitch	W : Both ends S : One ends				
LFPEX30 : 30mm pitch					



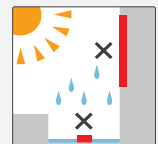
LED pitch	15mm pitch	20mm pitch	30mm pitch		
Model No.	LFPEX15-T1000W-□-CL-O	LFPEX20-T1000W-□-CL-O	LFPEX30-T1000W-□-CL-O-9	LFPEX30-T1000W-□-CL-O-6	LFPEX30-1000-□-CL-O-4
Power consumption	18.2W/m	12.1W/m	9.5W/m	6.5W/m	4.5W/m
Fitting length	1011mm	1011mm	1011mm		
Weight	60g	60g	60g		
Unit length	83.2mm (6 LED)	125mm (6 LED)	166.2mm (6 LED)		
Luminaire efficacy (2700K)	86.6 lm/W	88.2 lm/W	85.2 lm/W	89.6 lm/W	92 lm/W

Light source color		○ = Device inventory * = Please contact us since it is made-to-order products and has MOQ. * = Equivalent															
D	6500K	-				-				-				-			
N	5300K	Ra 92	*	1692 lm	Ra 92	*	1150 lm	Ra 92	*	847 lm	Ra 92	*	536 lm	Ra 92	*	405 lm	
W	4200K	Ra 93	○	1680 lm	Ra 93	○	1125 lm	Ra 93	○	812 lm*	Ra 93	○	514 lm*	Ra 93	○	388 lm*	
WW	3500K	Ra 93	○	1620 lm	Ra 93	○	1101 lm	Ra 93	○	704 lm*	Ra 93	○	446 lm*	Ra 93	○	337 lm*	
L30	3000K	Ra 94	○	1493 lm	Ra 94	○	1008 lm	Ra 94	○	644 lm	Ra 94	○	408 lm	Ra 94	○	308 lm	
L27	2700K	Ra 93	○	1496 lm	Ra 92	○	1016 lm	Ra 92	○	643 lm	Ra 92	○	407 lm	Ra 92	○	307 lm	
L24	2400K	Ra 93	○	1260 lm	Ra 93	○	856 lm	Ra 93	○	592 lm	Ra 93	○	375 lm	Ra 93	○	283 lm	
L21	2100K	Ra 93	*	1100 lm	Ra 96	*	748 lm	Ra 96	*	550 lm	Ra 96	*	348 lm	Ra 96	*	263 lm	
L19	1900K	Ra 63	*	1405 lm	Ra 63	*	955 lm	Ra 63	*	703 lm	Ra 63	*	445 lm	Ra 63	*	336 lm	

Input voltage	DC24V
LED beam angle	120°
Environment	In/Outdoor (no condensation) IP65
Max. length per circuit	LFPEX15: 3.5m, LFPEX20/30: 5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	-
Option parts	<div> <div> <div>1</div> <div>2</div> <div>3</div> </div> <div>Mounting rail</div> <div> <div>4</div> <div>5</div> </div> <div>Mounting clip</div> </div> <div> <div>6</div> <div>Power supply cable</div> </div>
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

Technical drawing of the 15m cable assembly. The drawing includes a top view and a side view. The top view shows a cable with a length of 15m, divided into sections of 16.5m, 185m, and 185m. The side view shows the cable's profile with a diameter of 4.5mm. The cable is labeled 'Fitting length'.

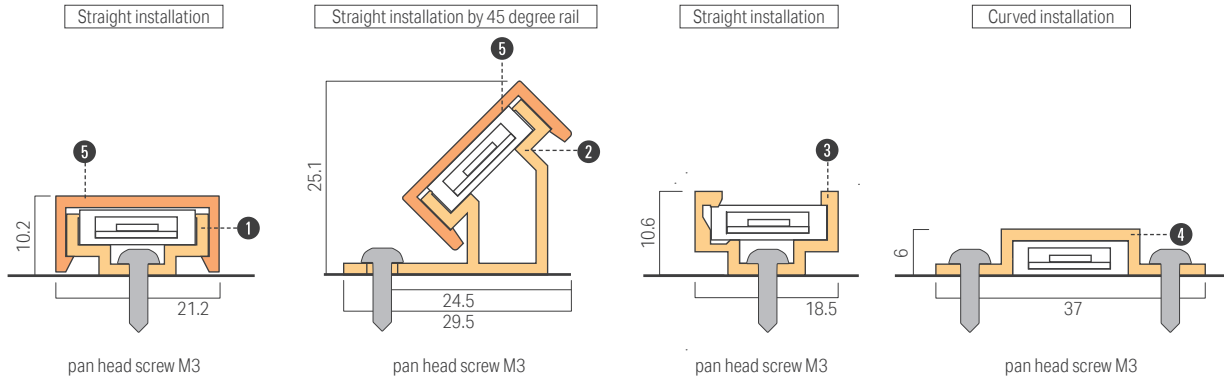
- direct expose to water / pooling of water
- direct sunlight
- liquids including choline or chemicals
- high temperature and high humidity such as saunas
- coastal areas which are affected by sea spray



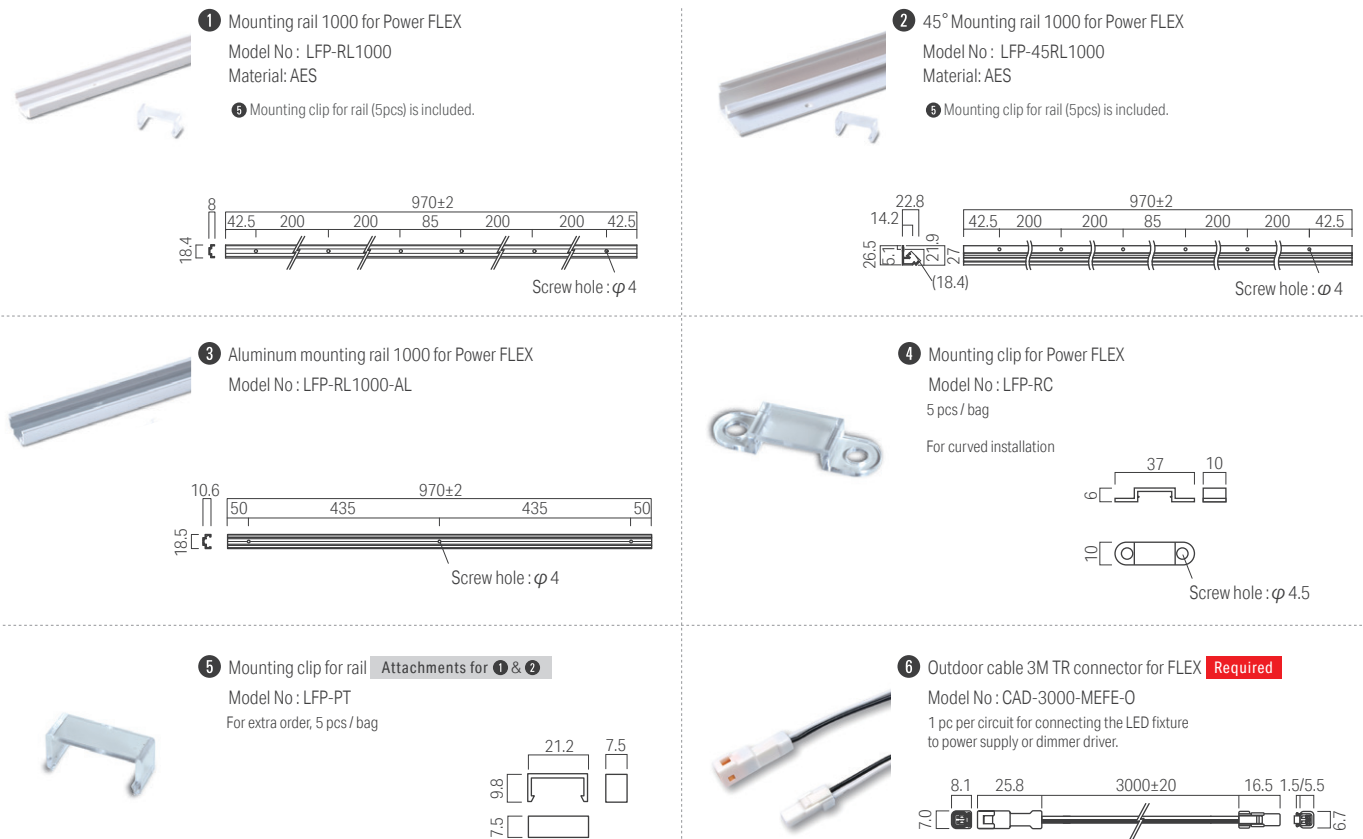
Do not cut the LED fixture and the lead wire of outdoor product at a job site.
Please do appropriate treatment for the lead wire and connector of the terminal of outdoor LED fixture.

Length of LED fixture (70% loading factor) *: split into multiple circuits					Power supply
15mm pitch	20mm pitch	9.5W	6.5W	4.5W	
~1.9m	~2.8m	~3.6m	~5.3m*	~7.7m*	50W power supply
~3.8m*	~5.7m*	~7.3m*	~10.7m*	~15.5m*	100W power supply
~5.7m*	~8.6m*	~11m*	~16.1m*	~23.3m*	150W power supply

Cross sectional view when installing optional items



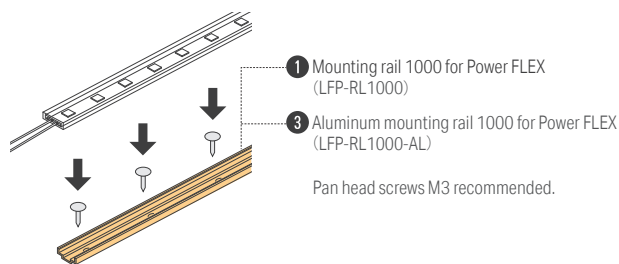
Option parts



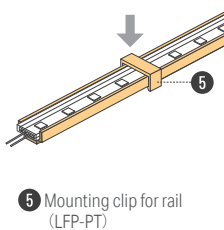
Luci Power FLEX EX IP65

Installing the product

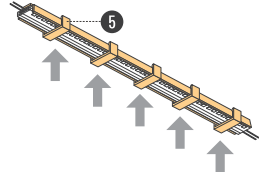
Straight installation



Cove lighting

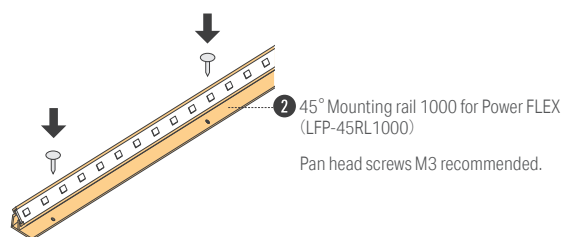


Cornice lighting

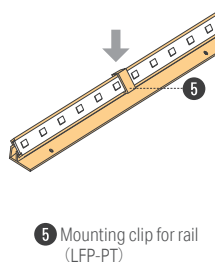


For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m
* In case of Aluminum mounting rail 1000 for Power FLEX, Mounting clip for rail is not necessary.

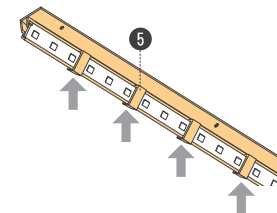
Straight installation by 45 degree rail



Cove lighting



Cornice lighting



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

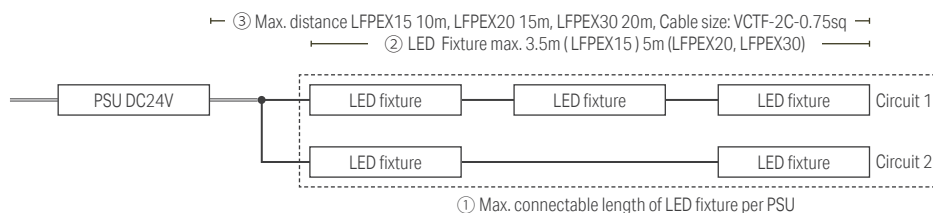
Curved installation



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 EX IP65 -Custom order-

Model No.

LFPEX

-

T

-

-

CL

-

O

-

LED Pitch

Length

Lead Wire

Light source color

Tube type

Environment

Wattage

15

15mm Pitch

20

20mm Pitch

30

30mm Pitch

Refer to

"Custom order

products size"

W

Both ends lead wire

S

One end lead wire

W

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

L21

Warm white 2100K

2100K

L19

Warm white 1900K

1900K

CL

Clear

O

Outdoors

only for LFPEX30

9

9.5W

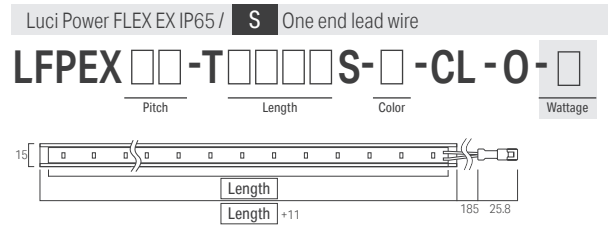
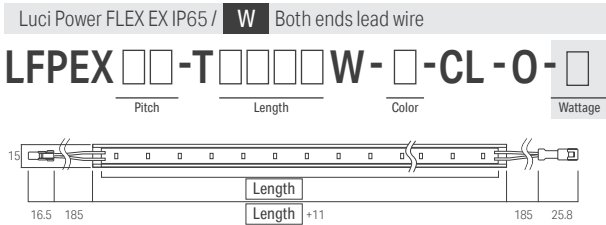
6

6.5W

4

4.5W

External dimension



- The lead wires are delivered without connectors. Contact us if indoor connectors are needed.

Custom order products size

Luci Power FLEX EX IP65 15mm pitch (18.2 W/m)				
Corresponds to <input type="text"/> Length of Model No. and External dimensions				
0083	1082	2080	3078	
0166	1165	2163	3162	
0250	1248	2246	3245	
0333	1331	2330	3328	
0416	1414	2413	3411	
0499	1498	2496	3494	
0582	1581	2579		
0666	1664	2662		
0749	1747	2746		
0832	1830	2829		
0915	1914	2912		
1000	2000	3000		

Luci Power FLEX EX IP65 20mm pitch (12.1 W/m)				
Corresponds to <input type="text"/> Length of Model No. and External dimensions				
0125	1123	2122	3120	4118
0250	1248	2246	3245	4243
0374	1373	2371	3370	4368
0499	1498	2496	3494	4493
0624	1622	2621	3619	4618
0749	1747	2746	3744	4742
0874	1872	2870	3869	4867
1000	2000	3000	4000	5000

Luci Power FLEX EX IP65 30mm pitch (9.5 W/m, 6.5 W/m, 4.5W/m)				
Corresponds to <input type="text"/> Length of Model No. and External dimensions				
0166	1165	2163	3162	4160
0333	1331	2330	3328	4326
0499	1498	2496	3494	4493
0666	1664	2662	3661	4659
0832	1830	2829	3827	4826
1000	2000	3000	4000	5000