

Indoor
Strip light

LFPEX-I Luci Power FLEX EX Indoor



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.

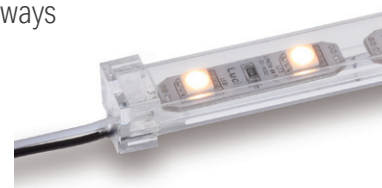
Side bend



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

LFPEX



TOKYO MIDTOWN HIBIYA
Location: Japan
Architect office: NOMURA Co., Ltd.

Lighting Design: Noosa Design Co., Ltd.
Construction: KAJIMA CORPORATION
Photo: Nacasa & Partners Inc.



Sun House
Location: Hong Kong
Client: The Sun Company Limited
Architect: Shadow Design

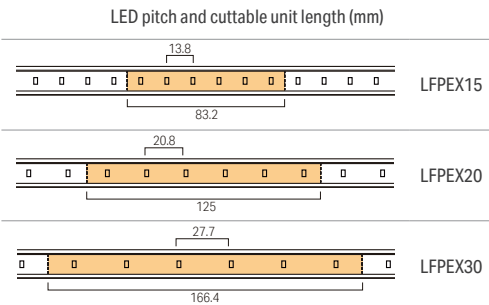


Luci Power FLEX EX

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 open end wire

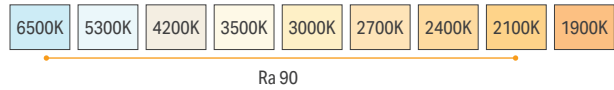
Custom order up to 5m lengths at every unit length with both ends or one end feed cable

Cuttable luminaire at site at scissor mark. If a luminaire with a both side feed cable is cut, the left and right sides of the luminaire can be used separately, as if the luminaire were one side feed.

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



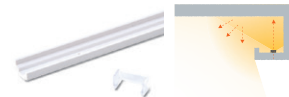
Min Bending radius

R 50mm in top (vertical) bend direction

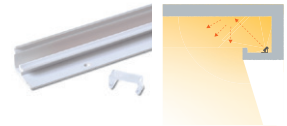


Accessories

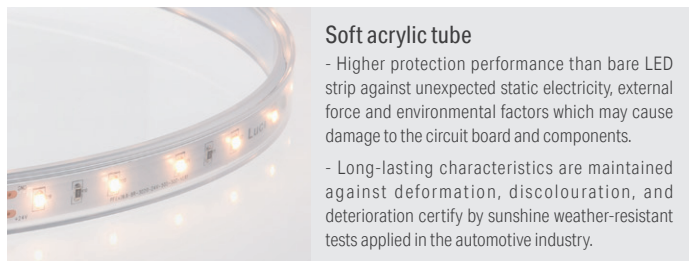
Mounting rail 1000 for Power FLEX



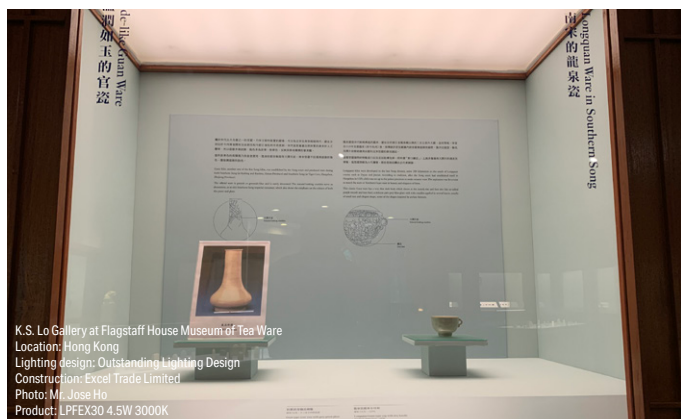
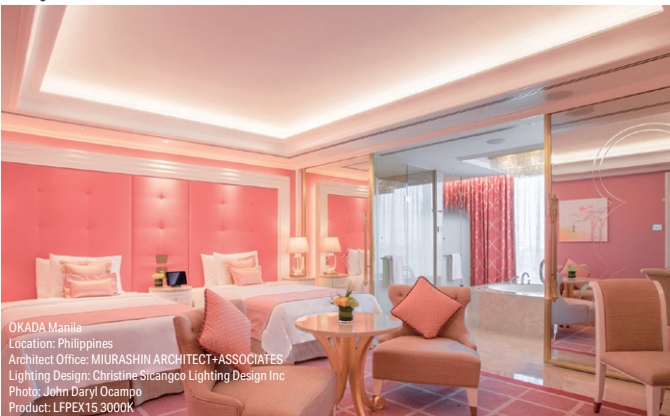
45° Mounting rail 1000 for Power FLEX



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



Project reference



LFPEX

Color management
MacAdam 3 step



3 years
warranty

- High-energy efficacy achieving up to 92lm/W
- 5 types of wattage and lumen output in 3 kinds of LED pitch
- Covered by soft acrylic tube



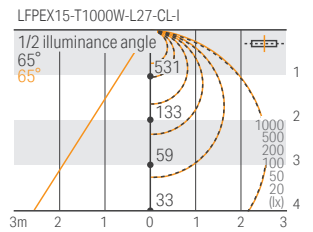
Model No.

LFPEX - T - - CL - I -

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment	Wattage
LFPEX15 : 15mm pitch	Custom order length P.51	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	I : Indoor	only for LFPEX30 9 : 9.5W 6 : 6.5W 4 : 4.5W
LFPEX20 : 20mm pitch					
LFPEX30 : 30mm pitch					
W : Both ends S : One ends					

Light Intensity

Refer to P.52



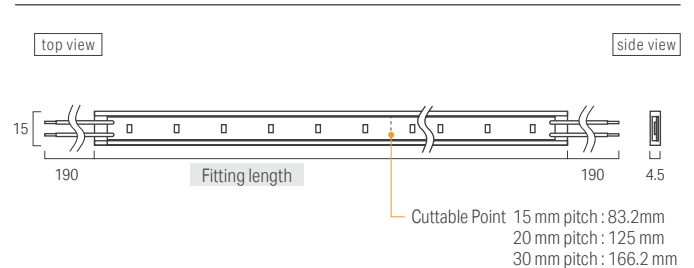
Specification @ Clear cover

LED pitch	15mm pitch			20mm pitch			30mm pitch									
Model No.	LFPEX15-T1000W-□-CL-I			LFPEX20-T1000W-□-CL-I			LFPEX30-T1000W-□-CL-I-9		LFPEX30-T1000W-□-CL-I-6		LFPEX30-T1000W-□-CL-I-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									
Cutttable unit	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

General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachments	⑥ End cap 2pcs
Option parts	① ② ③ Mounting rail ④ ⑤ Mounting clip ⑥ End cap ⑦ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

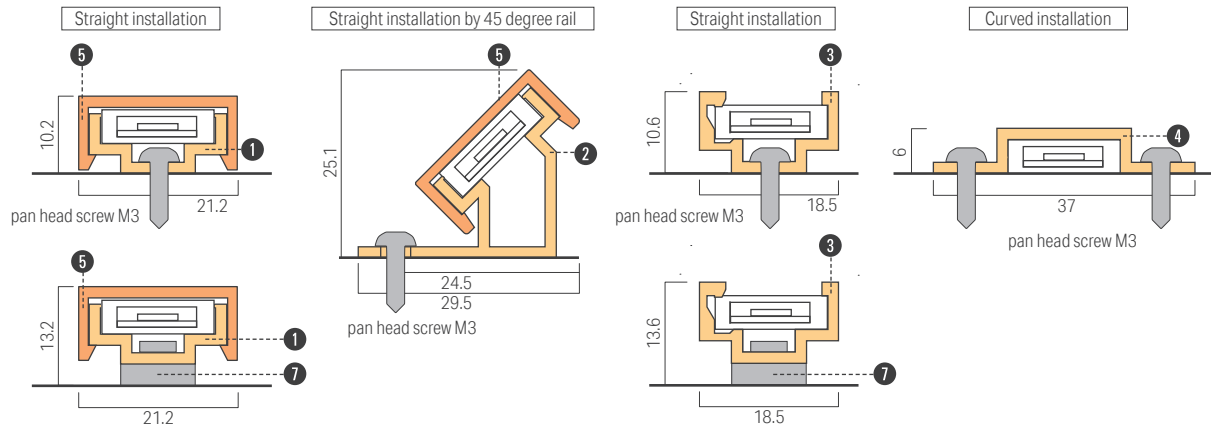
External dimensions



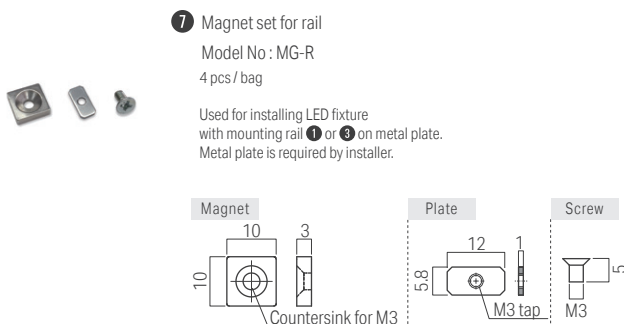
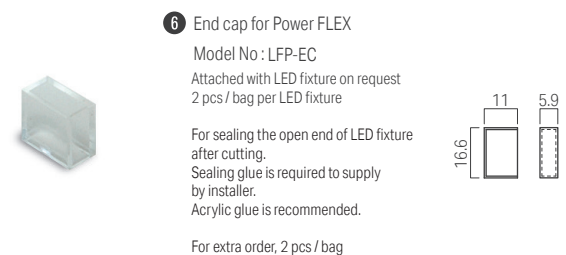
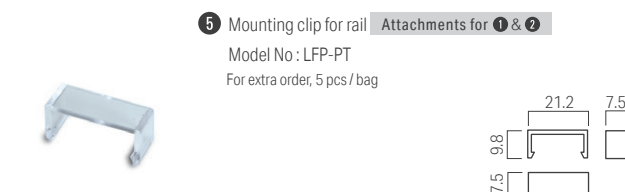
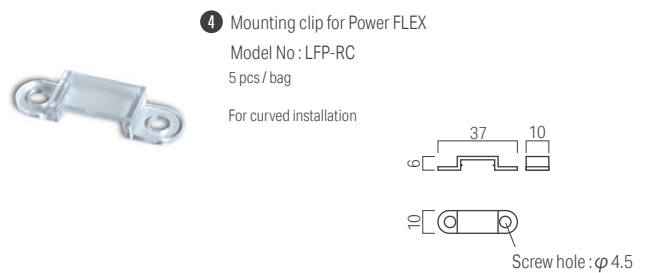
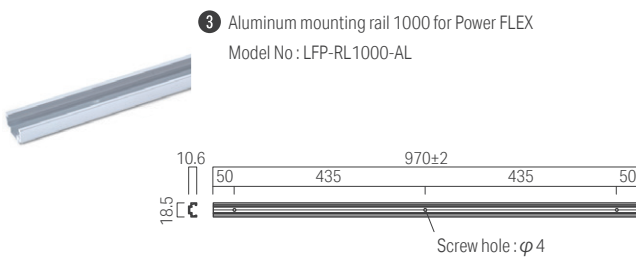
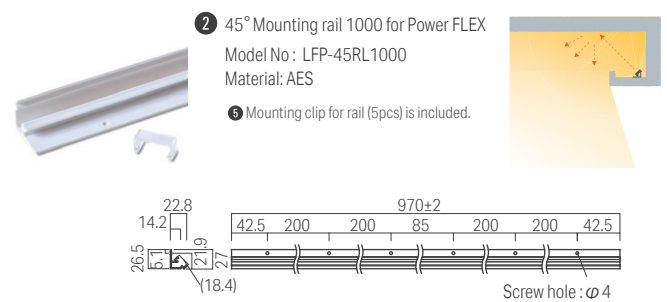
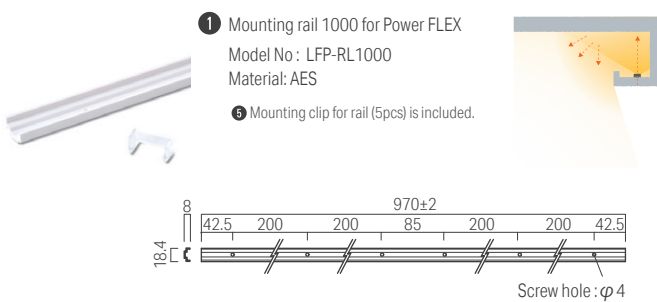
Max. connectable length per power supply

Length of LED fixture (70% loading factor) *: split into multiple circuits					
15mm pitch	20mm pitch	9.5W	30mm pitch	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



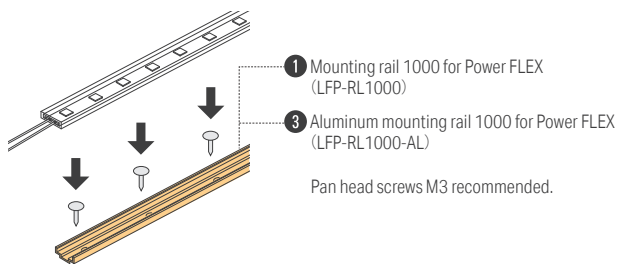
Option parts



Luci Power FLEX EX

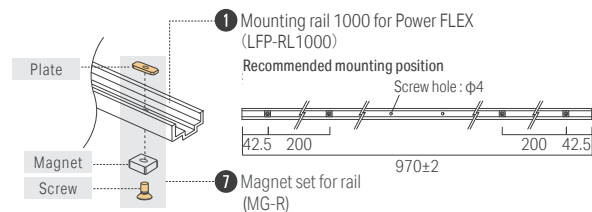
Installing the product

Straight installation

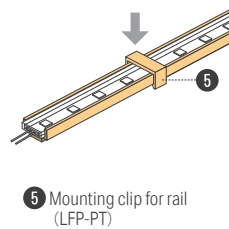


Magnet Installation

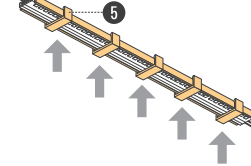
Mounting rail 1000 for Power FLEX



Cove lighting

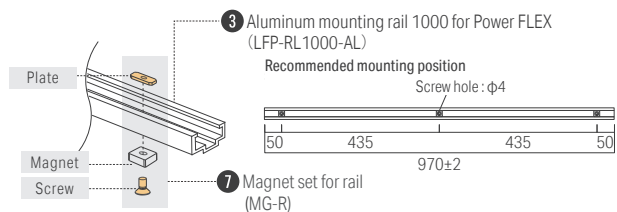


Cornice lighting

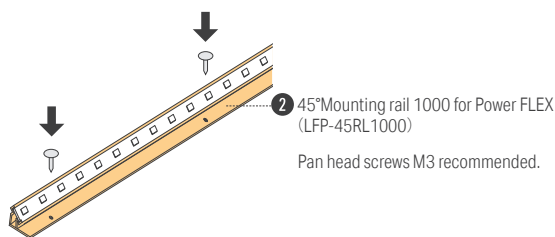


For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m
* In case of Aluminum mounting rail 1000 for Power FLEX, Mounting clip for rail is not necessary.

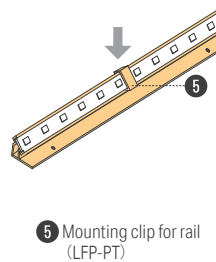
Aluminum mounting rail 1000 for Power FLEX



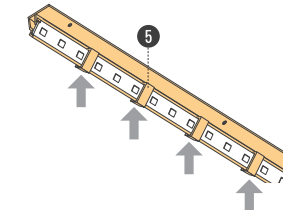
Straight installation by 45 degree rail



Cove lighting

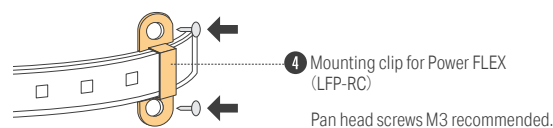


Cornice lighting



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

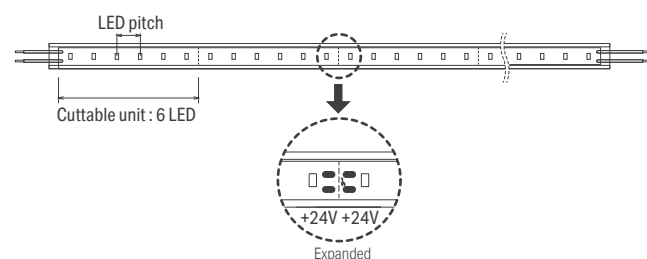
Curved installation



Minimum bending radius



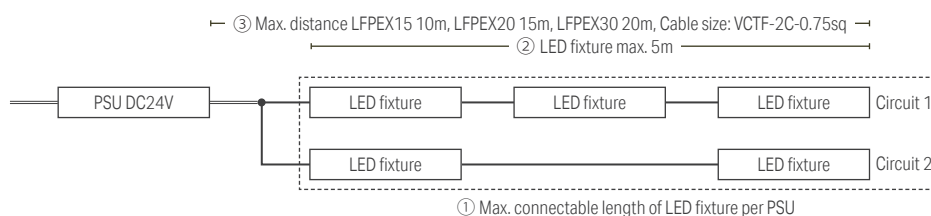
Cutting of lamp fitting



The cutable unit of Luci Power FLEX EX is 6 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)



LFPEX15 Luci Power FLEX EX 15mm pitch

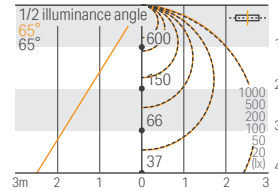
Color temperature

5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

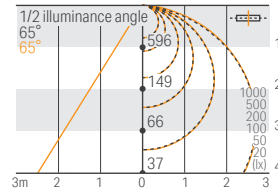
LFPEX15-T1000W-N-CL-I

Light source color 5300K
Brightness 600 cd
Luminous flux 1692 lm
Color rendering index Ra 92



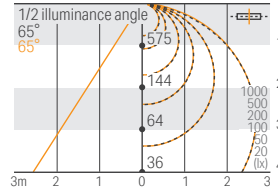
LFPEX15-T1000W-W-CL-I

Light source color 4200K
Brightness 596 cd
Luminous flux 1680 lm
Color rendering index Ra 93



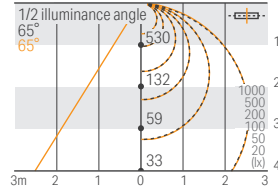
LFPEX15-T1000W-WW-CL-I

Light source color 3500K
Brightness 575 cd
Luminous flux 1620 lm
Color rendering index Ra 93



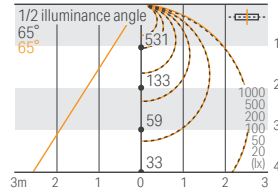
LFPEX15-T1000W-L30-CL-I

Light source color 3000K
Brightness 530 cd
Luminous flux 1493 lm
Color rendering index Ra 94



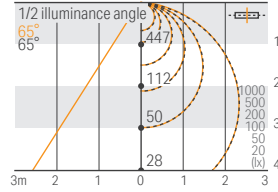
LFPEX15-T1000W-L27-CL-I

Light source color 2700K
Brightness 531 cd
Luminous flux 1496 lm
Color rendering index Ra 93



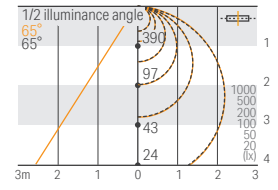
LFPEX15-T1000W-L24-CL-I

Light source color 2400K
Brightness 447 cd
Luminous flux 1260 lm
Color rendering index Ra 93



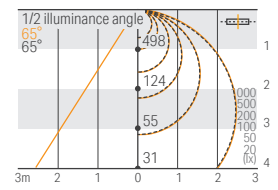
LFPEX15-T1000W-L21-CL-I

Light source color 2100K
Brightness 390 cd
Luminous flux 1100 lm
Color rendering index Ra 93



LFPEX15-T1000W-L19-CL-I

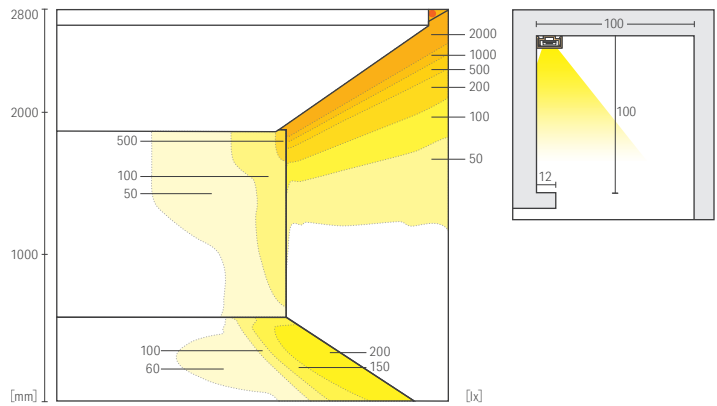
Light source color 1900K
Brightness 498 cd
Luminous flux 1405 lm
Color rendering index Ra 63



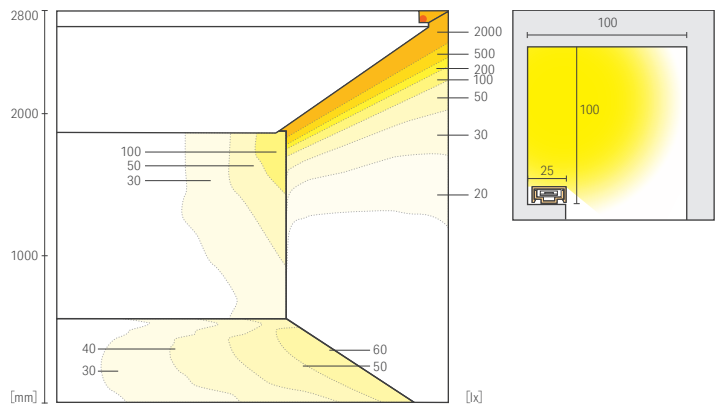
Recommend dimensions and illumination distributions

@2700K

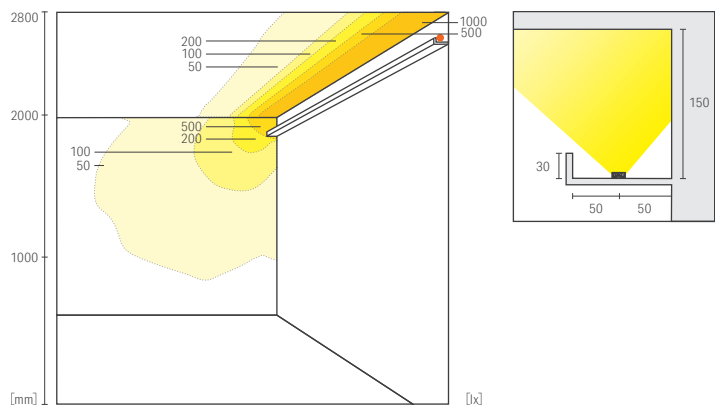
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data



LFPEX20 Luci Power FLEX EX 20mm pitch

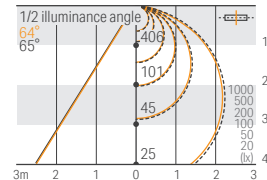
Color temperature

5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

Direct horizontal surface light intensity distribution chart

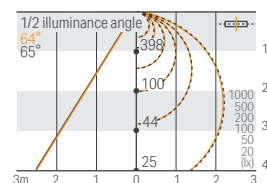
LFPEX20-T1000W-W-CL-I

Light source color 5300K
Brightness 406 cd
Luminous flux 1150 lm
Color rendering index Ra 93



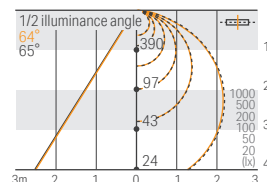
LFPEX20-T1000W-W-CL-I

Light source color 4200K
Brightness 398 cd
Luminous flux 1125 lm
Color rendering index Ra 93



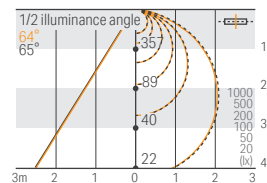
LFPEX20-T1000W-WW-CL-I

Light source color 3500K
Brightness 390 cd
Luminous flux 1101 lm
Color rendering index Ra 93



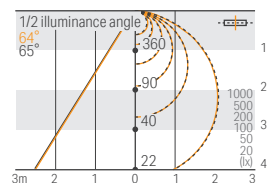
LFPEX20-T1000W-L30-CL-I

Light source color 3000K
Brightness 357 cd
Luminous flux 1008 lm
Color rendering index Ra 94



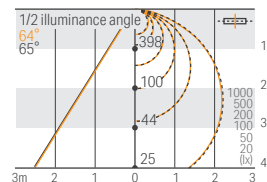
LFPEX20-T1000W-L27-CL-I

Light source color 2700K
Brightness 360 cd
Luminous flux 1016 lm
Color rendering index Ra 92



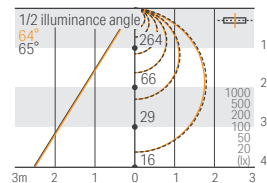
LFPEX20-T1000W-L24-CL-I

Light source color 2400K
Brightness 398 cd
Luminous flux 856 lm
Color rendering index Ra 93



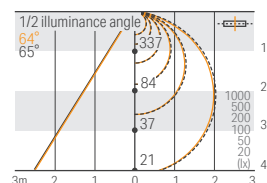
LFPEX20-T1000W-L21-CL-I

Light source color 2100K
Brightness 264 cd
Luminous flux 748 lm
Color rendering index Ra 96



LFPEX20-T1000W-L19-CL-I

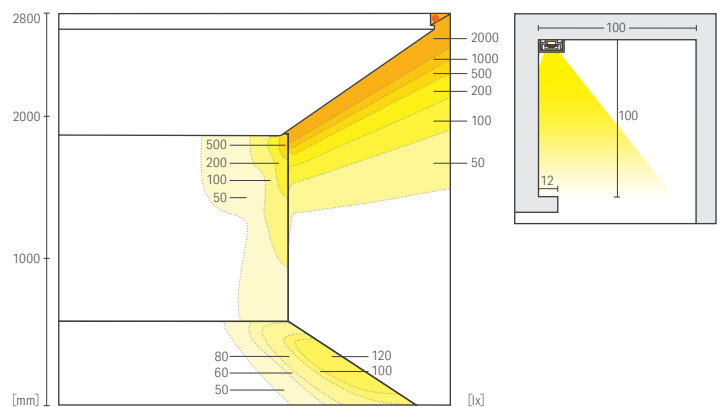
Light source color 1900K
Brightness 337 cd
Luminous flux 955 lm
Color rendering index Ra 63



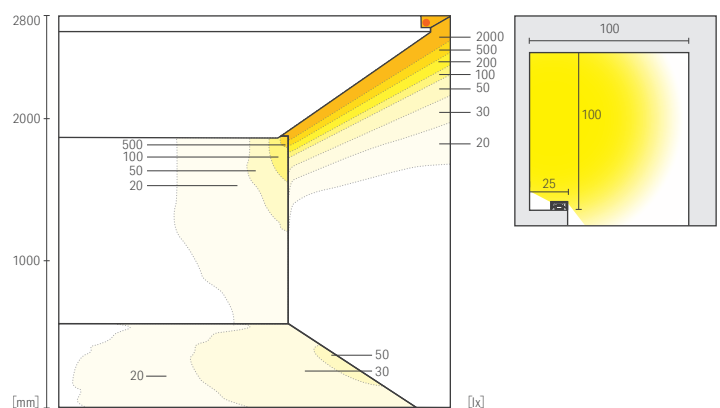
Recommend dimensions and illumination distributions

@2700K

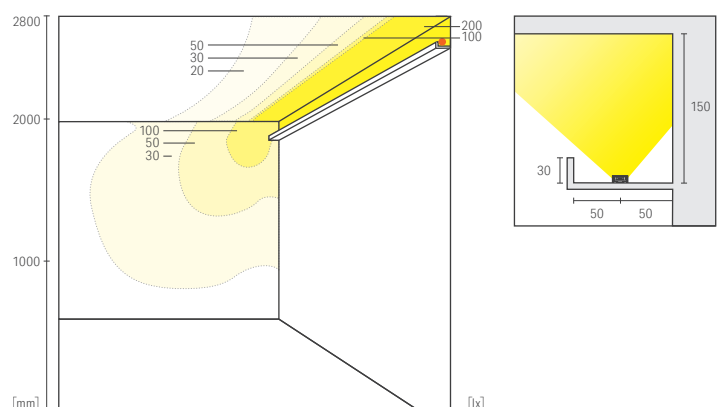
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800





LFPEX30 Luci Power FLEX EX 30mm pitch

Color temperature

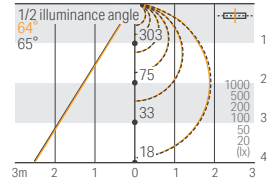
5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

9.5W

Direct horizontal surface light intensity distribution chart

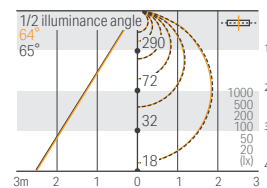
LFPEX30-T1000W-N-CL-I-9

Light source color 5300K
Brightness 303 cd
Luminous flux 847 lm
Color rendering index Ra 92



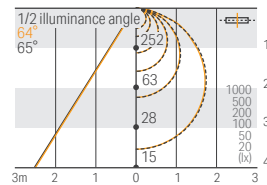
LFPEX30-T1000W-W-CL-I-9

Light source color 4200K
Brightness 290 cd
Luminous flux 812 lm
Color rendering index Ra 93



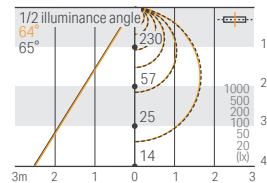
LFPEX30-T1000W-WW-CL-I-9

Light source color 3500K
Brightness 252 cd
Luminous flux 704 lm
Color rendering index Ra 93



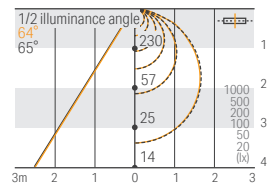
LFPEX30-T1000W-L30-CL-I-9

Light source color 3000K
Brightness 230 cd
Luminous flux 644 lm
Color rendering index Ra 94



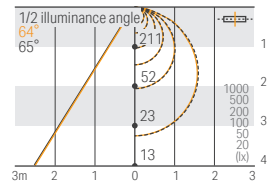
LFPEX30-T1000W-L27-CL-I-9

Light source color 2700K
Brightness 230 cd
Luminous flux 643 lm
Color rendering index Ra 92



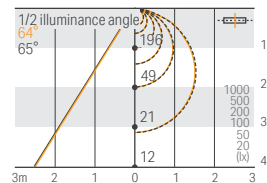
LFPEX30-T1000W-L24-CL-I-9

Light source color 2400K
Brightness 211 cd
Luminous flux 592 lm
Color rendering index Ra 93



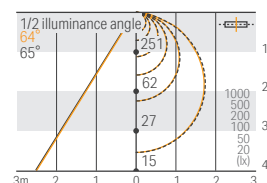
LFPEX30-T1000W-L21-CL-I-9

Light source color 2100K
Brightness 196 cd
Luminous flux 550 lm
Color rendering index Ra 96



LFPEX30-T1000W-L19-CL-I-9

Light source color 1900K
Brightness 251 cd
Luminous flux 703 lm
Color rendering index Ra 63

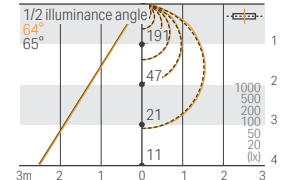


6.5W

Direct horizontal surface light intensity distribution chart

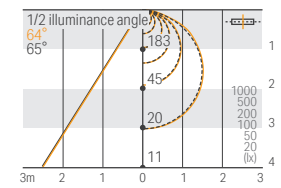
LFPEX30-T1000W-N-CL-I-6

Light source color 5300K
Brightness 191 cd
Luminous flux 536 lm
Color rendering index Ra 92



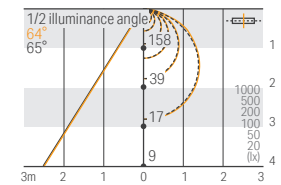
LFPEX30-T1000W-W-CL-I-6

Light source color 4200K
Brightness 183 cd
Luminous flux 514 lm
Color rendering index Ra 93



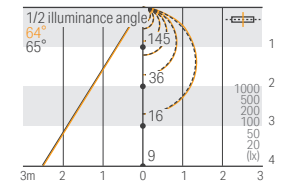
LFPEX30-T1000W-WW-CL-I-6

Light source color 3500K
Brightness 158 cd
Luminous flux 446 lm
Color rendering index Ra 93



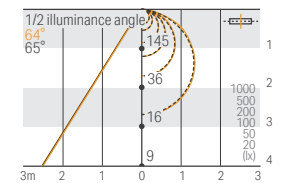
LFPEX30-T1000W-L30-CL-I-6

Light source color 3000K
Brightness 145 cd
Luminous flux 408 lm
Color rendering index Ra 94



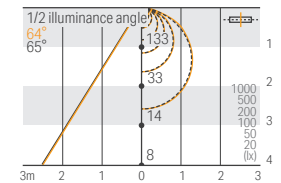
LFPEX30-T1000W-L27-CL-I-6

Light source color 2700K
Brightness 145 cd
Luminous flux 407 lm
Color rendering index Ra 92



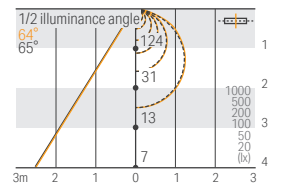
LFPEX30-T1000W-L24-CL-I-6

Light source color 2400K
Brightness 133 cd
Luminous flux 375 lm
Color rendering index Ra 93



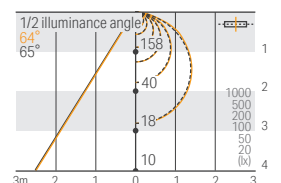
LFPEX30-T1000W-L21-CL-I-6

Light source color 2100K
Brightness 124 cd
Luminous flux 348 lm
Color rendering index Ra 96



LFPEX30-T1000W-L19-CL-I-6

Light source color 1900K
Brightness 158 cd
Luminous flux 445 lm
Color rendering index Ra 63



Illuminance data



LFPEX30

Luci Power FLEX EX 30mm pitch

Color temperature

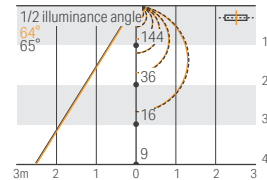
5300K 4200K 3500K 3000K 2700K 2400K 2100K 1900K

4.5W

Direct horizontal surface light intensity distribution chart

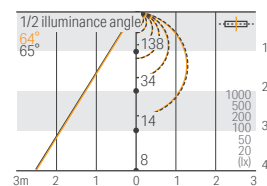
LFPEX30-T1000W-N-CL-I-4

Light source color 5300K
Brightness 144 cd
Luminous flux 405 lm
Color rendering index Ra 92



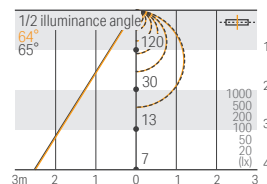
LFPEX30-T1000W-W-CL-I-4

Light source color 4200K
Brightness 138 cd
Luminous flux 388 lm
Color rendering index Ra 93



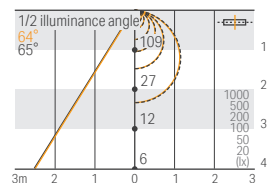
LFPEX30-T1000W-WW-CL-I-4

Light source color 3500K
Brightness 120 cd
Luminous flux 337 lm
Color rendering index Ra 93



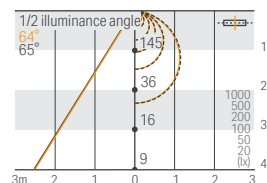
LFPEX30-T1000W-L30-CL-I-4

Light source color 3000K
Brightness 109 cd
Luminous flux 308 lm
Color rendering index Ra 94



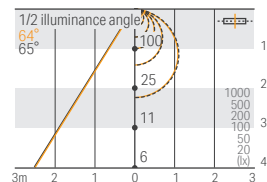
LFPEX30-T1000W-L27-CL-I-4

Light source color 2700K
Brightness 109 cd
Luminous flux 307 lm
Color rendering index Ra 92



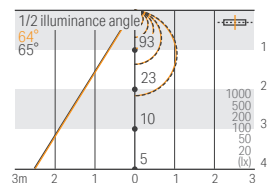
LFPEX30-T1000W-L24-CL-I-4

Light source color 2400K
Brightness 100 cd
Luminous flux 283 lm
Color rendering index Ra 93



LFPEX30-T1000W-L21-CL-I-4

Light source color 2100K
Brightness 93 cd
Luminous flux 263 lm
Color rendering index Ra 96



LFPEX30-T1000W-L19-CL-I-4

Light source color 1900K
Brightness 119 cd
Luminous flux 336 lm
Color rendering index Ra 63

