



Indoor Strip Light

LFPEX

Luci Power FLEX EX



- 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- No need to attach aluminum profile for heat sink



	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	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	○	2m	N/A ○
		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 LFP	LFP15	15.4 w/m	790 lm/m	Ra 90	30 mm	○	4.5m	○
		LFP20	10.5 w/m	563 lm/m		40 mm		5m	
	Luci Power FLEX THOF LFPTH Dynamic White	LFPTH	11 w/m	281 lm/m	Ra 86	83.2 mm	N/A	N/A	N/A N/A
	Luci Flat FLEX F LFTF	LFTF10	3.9 w/m	282 lm/m	Ra 87	62.4 mm	○	5m	○
		LFTF16	2.5 w/m	176 lm/m		100 mm			
Side bend	Luci Power FLEX α LFPA	LFPA20	10.4 w/m	586 lm/m	Ra 90	40 mm	N/A	N/A	N/A N/A
	Luci FLEX α F LFXF	LFXF10	3.9 w/m	252 lm/m	Ra 71	62.4 mm	○	5m	○

Indoor Strip Light

LFPEX / LFP / LFPA / LFTF / LFXF / LFPTH

Luci FLEX series

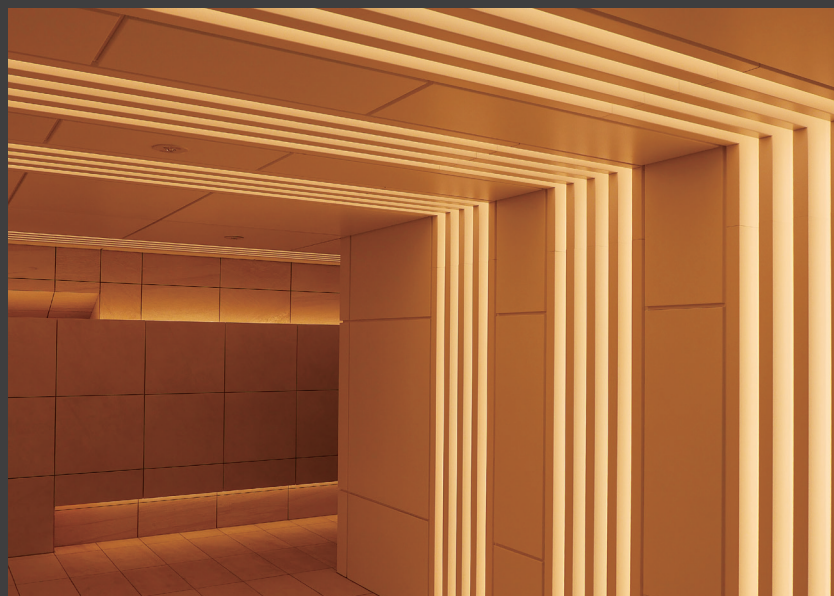


Sheraton Danang Resort
Location: Vietnam
Architectural : DP Singapore
Lighting design: Light Box
Lighting supplier: Long Khang Technology



Novotel Century Hong Kong, Wanchai
 Lighting designer: Lighting Workshop Company
 Location: Hong Kong
 Products: Luci Power FLEX THOF

Residence
 Location: Japan
 Architect office: GODA KOUMUTEN CO., LTD
 Lighting Design: FUMITA DESIGN OFFICE INC.
 Construction: GODA KOUMUTEN CO., LTD
 Product: Luci Power FLEX 20mm pitch Indoor Warm white 2700K



LFPEX / LFP / LFPA / LFTF / LFXF / LFPTH

Luci FLEX series

Top bend



Luci Power FLEX EX 3 years warranty

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



Luci Power FLEX THOF

Dynamic white strip light

- Change atmosphere by tuning the color temperature
- Arrange 2 colors of LED package alternately
- 2 types of color range (1900K to 3000K, 2700K to 5000K)
- Cutable every 4 LEDs (83.2mm)



Luci Power FLEX 3 years warranty

- 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)
- Customized length available up to 5m per roll



Luci Flat FLEX F 3 years warranty

- 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 ^{3 years warranty}

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 ^{3 years warranty}

- 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 Warm white 2700K	CRI	Cuttable unit	Custom order		IP65 available		
							Max. length	Diffser Tube			
Top bend 	Luci Power FLEX EX LFPEX P.106	LFPEX15	18.2 w/m	1496 lm/m	Ra 93	83.2 mm	○ P.110	2m	N/A	○ P.186	
		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					
		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 LFP P.114	LFP15	15.4 w/m	790 lm/m	Ra 90	30 mm	○ P.118	4.5m	○	○ P.190	
		LFP20	10.5 w/m	563 lm/m		40 mm		5m			
	Luci Power FLEX THOF LFPTH Dynamic White P.126	LFPTH	11 w/m	281 lm/m	Ra 86	83.2 mm	N/A	N/A	N/A	N/A	
		Luci Flat FLEX F LFTF P.130	LFTF10	3.9 w/m	282 lm/m	Ra 87	62.4 mm	○ P.134	5m	○	○ P.196
			LFTF16	2.5 w/m	176 lm/m		100 mm				
Side bend 	Luci Power FLEX α LFPA P.122	LFPA20	10.4 w/m	586 lm/m	Ra 90	40 mm	N/A	N/A	N/A	N/A	
	Luci FLEX α F LFXF P.136	LFXF10	3.9 w/m	252 lm/m	Ra 71	62.4 mm	○ P.140	5m	○	○ P.200	



Model No.

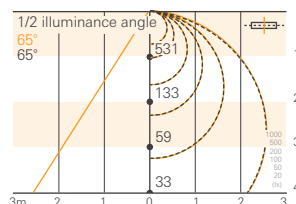
LFPEX * - * - * - CL - I - (※W)

Product Name / LED pitch	Length	Light source color	Tube type	Environment	Wattage
LFPEX15 : 15mm pitch	1000	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 : Indoors	only for LFPEX30 (9.5W) (6.5W) (4.5W)
LFPEX20 : 20mm pitch	1000				
LFPEX30 : 30mm pitch	1000				

Luci Power FLEX EX
Custom order length > P.110

Light Intensity

LFPEX15-1000-L27-CL-I



Specification

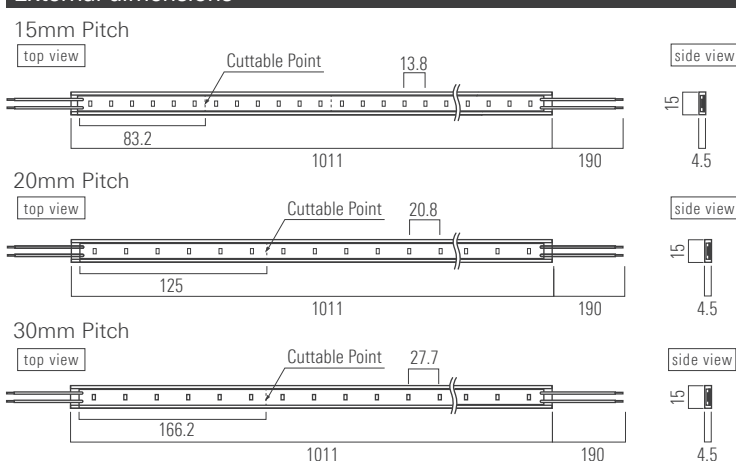
LED pitch	15mm pitch			20mm pitch			30mm pitch								
Model No.	LFPEX15-1000-*-CL-I			LFPEX20-1000-*-CL-I			LFPEX30-1000-*-CL-I (9.5W)			LFPEX30-1000-*-CL-I (6.5W)			LFPEX30-1000-*-CL-I (4.5W)		
Power consumption	18.2W/m			12.1W/m			9.5W/m			6.5W/m			4.5W/m		
Fitting length(L)	1011mm			1011mm						1011mm					
Weight	60g			60g						60g					
Cuttable 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 7100K	-			-			-			-			-		
N 5000K	-			-			-			-			-		
W 4000K	Ra 93	○	1680 lm	Ra 93	○	1125 lm	Ra 93	○	815 lm*	Ra 94	○	556 lm*	Ra 94	○	390 lm*
WW 3500K	Ra 93	○	1620 lm	Ra 93	○	1101 lm	Ra 93	○	789 lm*	Ra 93	○	564 lm*	Ra 94	○	393 lm*
L30 3000K	Ra 94	○	1493 lm	Ra 94	○	1008 lm	Ra 94	○	739 lm	Ra 94	○	522 lm	Ra 95	○	366 lm
L27 2700K	Ra 93	○	1496 lm	Ra 92	○	1016 lm	Ra 91	○	695 lm	Ra 93	○	516 lm	Ra 93	○	371 lm
L24 2400K	Ra 93	○	1260 lm	Ra 93	○	856 lm	Ra 93	○	696 lm	Ra 94	○	494 lm	Ra 94	○	348 lm
L21 2100K	-	*	-	-	*	-	-	*	-	-	*	-	-	*	-
L19 1900K	-	*	-	-	*	-	-	*	-	-	*	-	-	*	-

Specification may be subject to change without announcement.
The optical data provided on the each product pages are for reference only; the data values are not guaranteed. Please use as reference materials for your planning.

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	③ End cap 2pcs
Option parts	① Mounting rail ② Mounting clip ③ End cap
Certification	CE
Dimmable	○
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	30mm pitch	9.5W	6.5W	4.5W
~1.9m	~2.8m	~3.6m	~3.6m	~5.3m*	~7.7m*
~3.8m	~5.7m*	~7.3m*	~7.3m*	~10.7m*	~15.5m*
~5.7m*	~8.6m*	~11m*	~11m*	~16.1m*	~23.3m*
					Power supply
					50W power supply
					100W power supply
					150W power supply

Optional parts

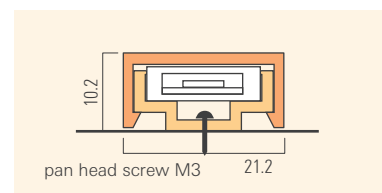
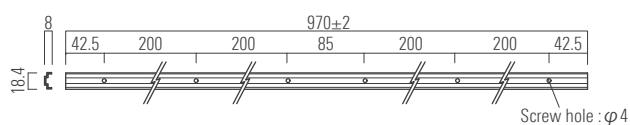
for straight

① Mounting rail 1000 for Power FLEX **Option Parts**

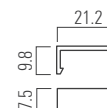
Model No : LFP-RL1000

For straight installation

side view front view

**Attachment**

Mounting clip for rail
5 pcs / 1 bag is included
Model No : LFP-PT



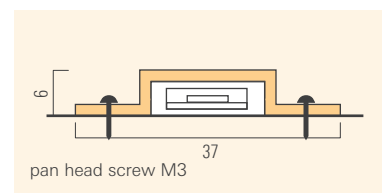
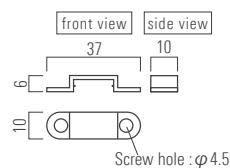
for curved

② Mounting clip for Power FLEX **Option Parts**

Model No : LFP-RC

5 pcs/1 bag

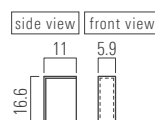
For curved installation

③ End cap for Power FLEX **Attachment** **Option Parts**

Model No : LFP-EC

2 pcs included, 2 pcs/1 bag as option parts

For sealing the open end of LED fixture after cutting.
Sealing glue is required to supply by installer.
Acrylic glue is recommended.

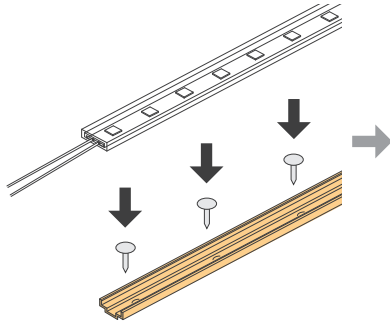


Installing the product

Straight installation

Screw fixing

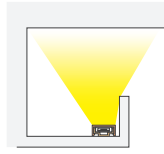
The Mounting rail should be preset on the installation spot with screws supplied by installer. (Pan head screws M3 recommended.)
Install the LED fixture with mounting clips for rail to ensure the straight and flat installation.



Bonding

Install the mounting rail with acrylic compatible adhesive where screws cannot be fastened.
Caution: Please do not use glue or double-sided tape at the back of the tube for installing Power FLEX EX.

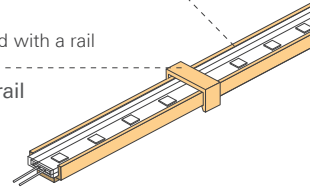
Cove lighting



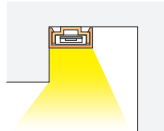
- Option Parts**
① Mounting rail 1000 for Power FLEX (LFP-RL1000)

Mounting clip bundled with a rail

Attachments
Mounting clip for rail (LFP-PT)



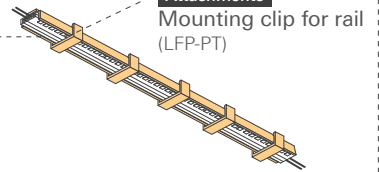
Cornice lighting



- Option Parts**
① Mounting rail 1000 for Power FLEX (LFP-RL1000)

For downward installation, mounting clips for rail can prevent falling.

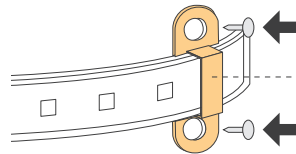
Attachments
Mounting clip for rail (LFP-PT)



Curved installation

Screw fixing

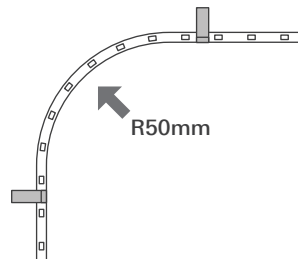
Place the LED fixture on the installation spot and fix the mounting clips by screw supplied by installer. (Pan head screws M3 recommended.)



- Option Parts**
③ Mounting clip for Power FLEX (LFP-RC)

Bonding

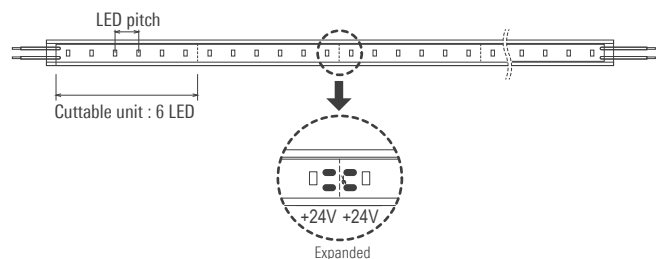
Install the mounting clips with acrylic compatible adhesive where screws cannot be fastened.
Caution: Please do not use glue or double-sided tape at the back of the tube for installing Power FLEX EX.



Cutting of lamp fitting

The cuttable unit of Luci Power FLEX EX is 6 LEDs.
Failure will be caused by cutting on incorrect position.

End cap is required for sealing the open end of LED fixture after cutting.
Sealing glue should be supplied by installer. Acrylic glue is recommended.



Connecting to the power supply

■ Cables used for connecting LED fixtures and Power supply must be a suitable type and gauge.

■ Cables should be joined with suitable terminal block or methods as appropriate to the installation and operating environment.

Caution: When using a long cable with thin dimension, the resistance of cable will increase. Voltage drop and heat dispatching may occur and result in brightness decreasing.

Caution: When separating one cable to multiple circuits in the same gauge, the current loading focuses on the junction of the branch circuit and high temperature will liberate on there. Please consider the loading of the power supply (quantity of LED fixture) and review the wiring system to avoid the above problem.

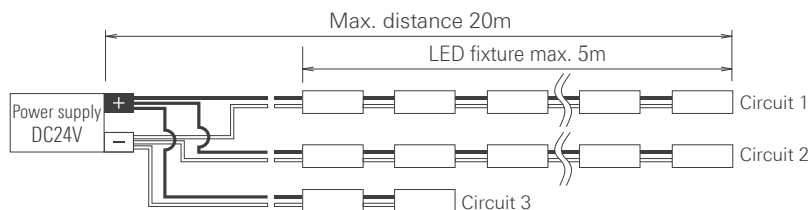
■ When connecting the dimmer driver with power supply, unpredicted noise might occur. It is a characteristic of electronic devices, not a malfunction of the LED fixture. Please choose an appropriate power supply and consider a place to install. Reducing the loading factor of LED fixture might improve the noise from the power supply while the noise for the LED fixtures might be improved by splitting the circuit of LED fixtures into multiple.

System configuration diagram

■ Max. connectable length depends on the wattage of the power supply.

■ Max. length per circuit of Luci Power FLEX EX is 5m.
If it exceeds, please split into multiple circuits.

■ Max. distance from the power supply to the end of LED fixture is 20 m.



Luci Power FLEX EX Indoor -Custom order-

Model No.

LFPEX LED Pitch -T Length Lead Wire - Light source color - CL-I-(※W)

LED Pitch

15mm Pitch → 15
20mm Pitch → 20
30mm Pitch → 30

Length

Refer to "Custom order products size"

Lead Wire

One end lead wire → S
Both ends lead wire → W

Light source color

White 4000K → W
Warm white 3500K 3500K → WW
Warm white 3000K 3000K → L30
Warm white 2700K 2700K → L27
Warm white 2400K 2400K → L24
Warm white 2100K 2100K → L21 *
Warm white 1900K 1900K → L19 *

* = Please contact us since it is made-to-order products and has MOQ.

Wattage only for LFPEX30

9.5W → (9.5W)
6.5W → (6.5W)
4.5W → (4.5W)

Custom order products size

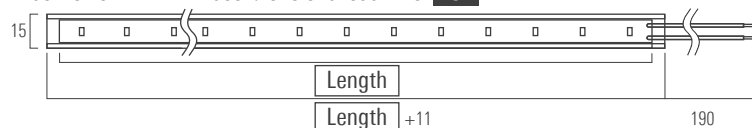
Luci Power FLEX EX 15mm pitch (18.2 W/m)	
Corresponds to Length of Model No. and External dimensions	
0083	1082
0166	1165
0250	1248
0333	1331
0416	1414
0499	1498
0582	1581
0666	1664
0749	1747
0832	1830
0915	1914
1000	2000

Luci Power FLEX EX 20mm pitch (12.1 W/m)	
Corresponds to Length of Model No. and External dimensions	
0125	1123
0250	1248
0374	1373
0499	1498
0624	1622
0749	1747
0874	1872
1000	2000

Luci Power FLEX EX 30mm pitch (9.5 W/m, 6.5 W/m, 4.5W/m)	
Corresponds to Length of Model No. and External dimensions	
0166	1163
0332	1330
0499	1496
0665	1662
0831	1828
1000	2000

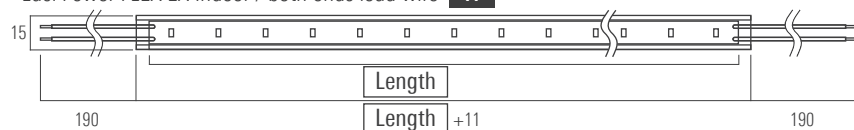
External dimensions

Luci Power FLEX EX Indoor / one end lead wire S



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

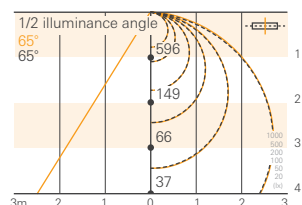
Luci Power FLEX EX Indoor / both ends lead wire W



Direct horizontal surface light intensity distribution chart

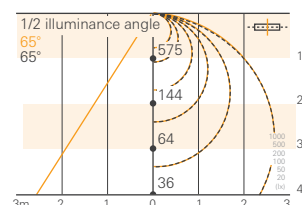
LFPEX15-1000-W-CL-I

Light source color 4000K
 Brightness 596 cd
 Luminous flux 1680 lm
 Color rendering index Ra 93



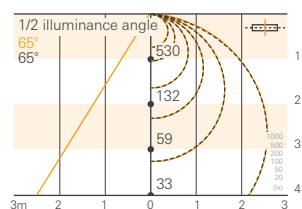
LFPEX15-1000-WW-CL-I

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



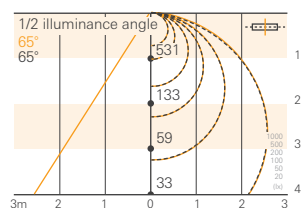
LFPEX15-1000-L30-CL-I

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



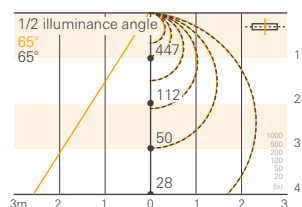
LFPEX15-1000-L27-CL-I

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



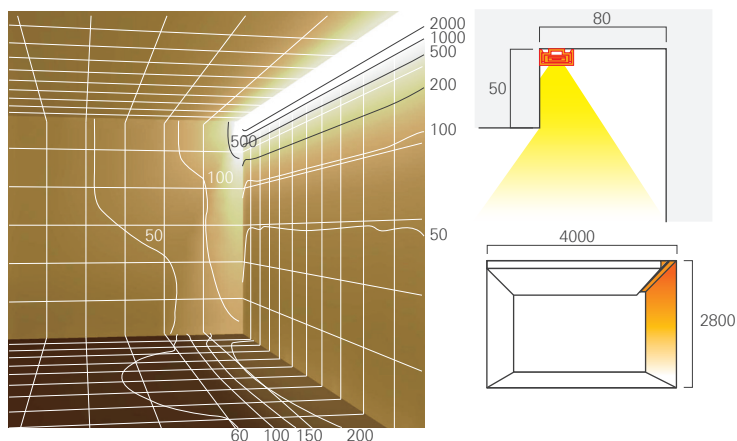
LFPEX15-1000-L24-CL-I

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

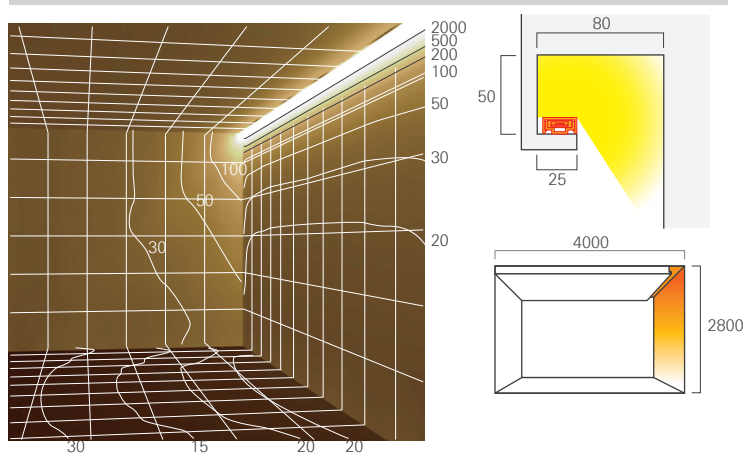


Recommend dimensions and illumination distributions

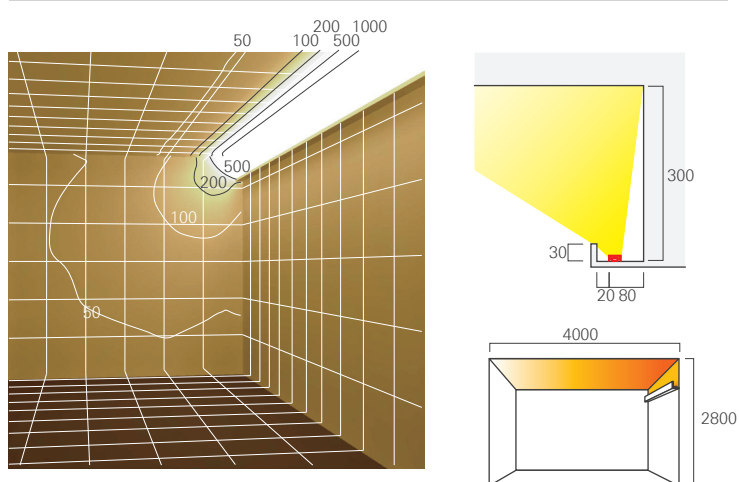
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



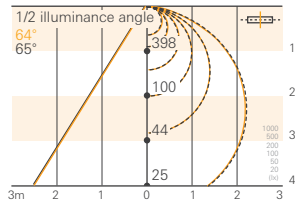
Cove lighting CH=2800



Direct horizontal surface light intensity distribution chart

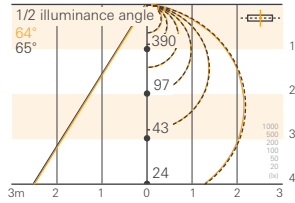
LFPEX20-1000-W-CL-I

Light source color 4000K
Brightness 398 cd
Luminous flux 1125 lm
Color rendering index Ra 93



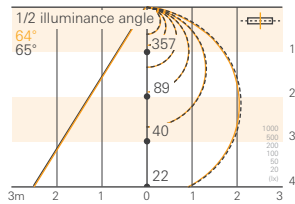
LFPEX20-1000-WW-CL-I

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



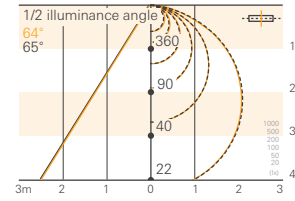
LFPEX20-1000-L30-CL-I

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



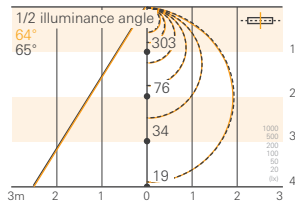
LFPEX20-1000-L27-CL-I

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



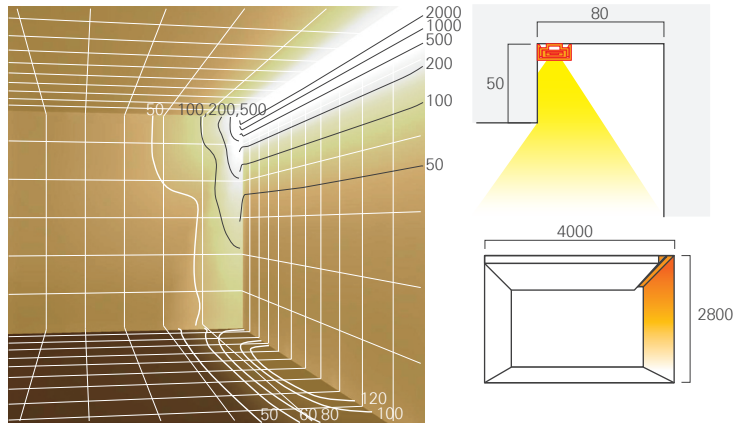
LFPEX20-1000-L24-CL-I

Light source color 2400K
Brightness 303 cd
Luminous flux 856 lm
Color rendering index Ra 93

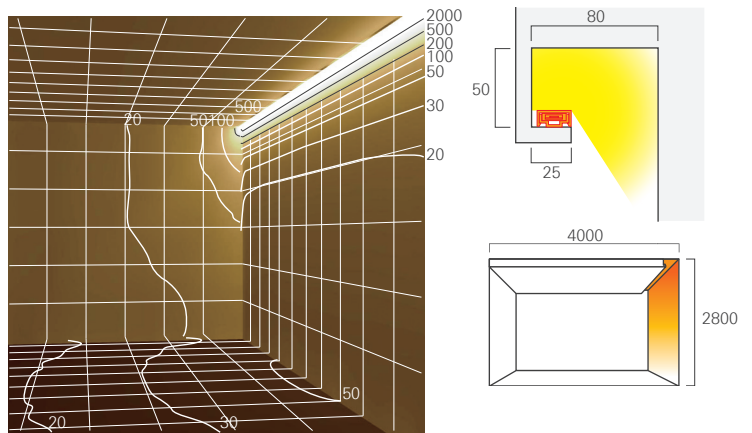


Recommend dimensions and illumination distributions

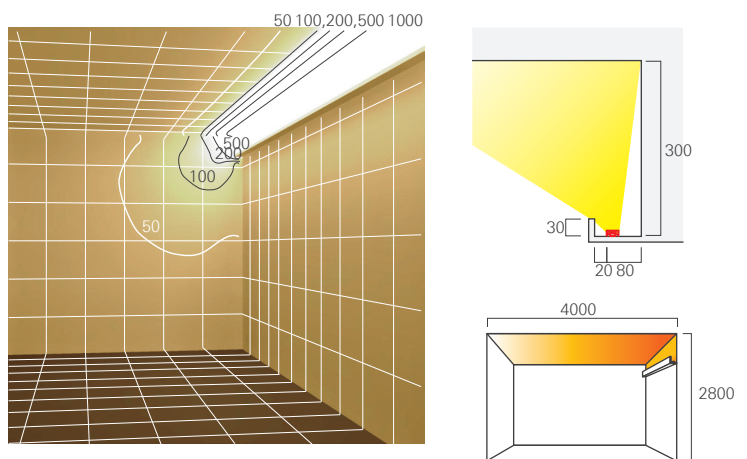
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



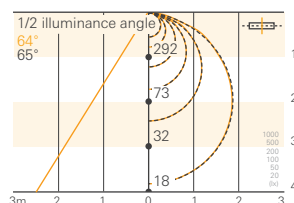
Cove lighting CH=2800



Direct horizontal surface light intensity distribution chart

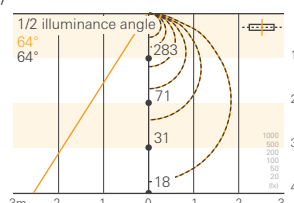
LFPEX30-1000-W-CL-I(9.5W)

Light source color 4000K
 Brightness 292 cd
 Luminous flux 815 lm
 Color rendering index Ra 93



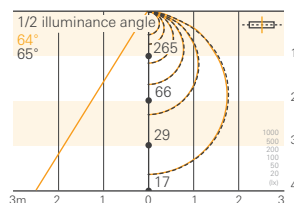
LFPEX30-1000-WW-CL-I(9.5W)

Light source color 3500K
 Brightness 283 cd
 Luminous flux 789 lm
 Color rendering index Ra 93



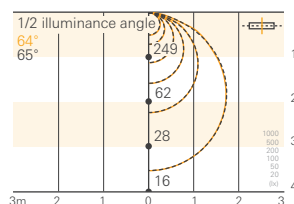
LFPEX30-1000-L30-CL-I(9.5W)

Light source color 3000K
 Brightness 265 cd
 Luminous flux 739 lm
 Color rendering index Ra 94



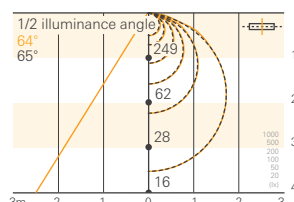
LFPEX30-1000-L27-CL-I(9.5W)

Light source color 2700K
 Brightness 249 cd
 Luminous flux 695 lm
 Color rendering index Ra 91



LFPEX30-1000-L24-CL-I(9.5W)

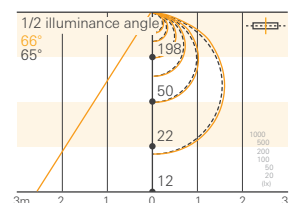
Light source color 2400K
 Brightness 249 cd
 Luminous flux 696 lm
 Color rendering index Ra 93



Direct horizontal surface light intensity distribution chart

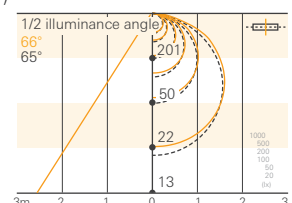
LFPEX30-1000-W-CL-I(6.5W)

Light source color 4000K
 Brightness 198 cd
 Luminous flux 556 lm
 Color rendering index Ra 94



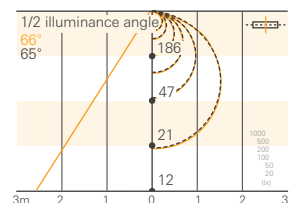
LFPEX30-1000-WW-CL-I(6.5W)

Light source color 3500K
 Brightness 201 cd
 Luminous flux 564 lm
 Color rendering index Ra 93



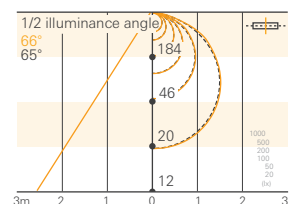
LFPEX30-1000-L30-CL-I(6.5W)

Light source color 3000K
 Brightness 186 cd
 Luminous flux 522 lm
 Color rendering index Ra 94



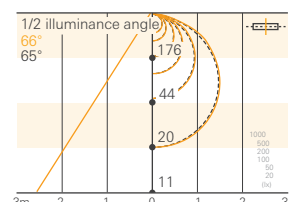
LFPEX30-1000-L27-CL-I(6.5W)

Light source color 2700K
 Brightness 184 cd
 Luminous flux 516 lm
 Color rendering index Ra 93



LFPEX30-1000-L24-CL-I(6.5W)

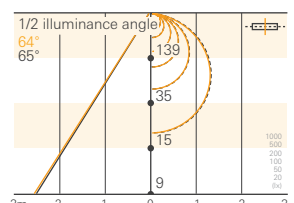
Light source color 2400K
 Brightness 176 cd
 Luminous flux 494 lm
 Color rendering index Ra 94



Direct horizontal surface light intensity distribution chart

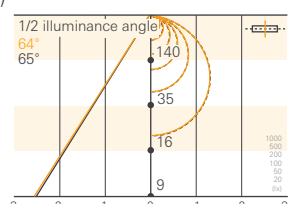
LFPEX30-1000-W-CL-I(4.5W)

Light source color 4000K
 Brightness 139 cd
 Luminous flux 390 lm
 Color rendering index Ra 94



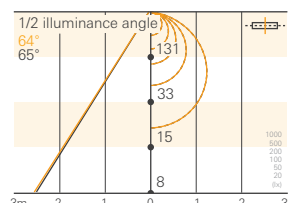
LFPEX30-1000-WW-CL-I(4.5W)

Light source color 3500K
 Brightness 140 cd
 Luminous flux 393 lm
 Color rendering index Ra 94



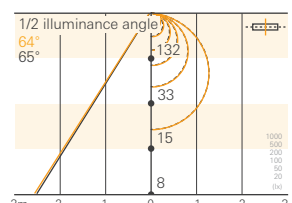
LFPEX30-1000-L30-CL-I(4.5W)

Light source color 3000K
 Brightness 131 cd
 Luminous flux 367 lm
 Color rendering index Ra 95



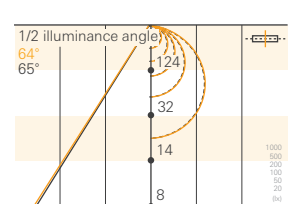
LFPEX30-1000-L27-CL-I(4.5W)

Light source color 2700K
 Brightness 132 cd
 Luminous flux 371 lm
 Color rendering index Ra 93



LFPEX30-1000-L24-CL-I(4.5W)

Light source color 2400K
 Brightness 124 cd
 Luminous flux 348 lm
 Color rendering index Ra 94



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