

Indoor
Strip light

LFPTH

Luci Power FLEX THOF®

RENEWAL



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.

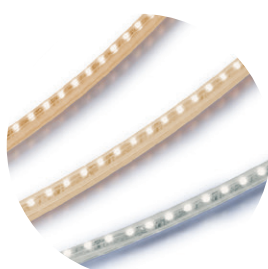
Side bend



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

LFPTH RENEWAL



En WEDDING chapel
Location: Japan
Architect office: lab.co.ltd
Construction: GF.inc
Photograph from: Queserser & Company



Ito-Yokado Abeno
Location: Japan
Architect office: Yoshichu-Mannequin GRID
Construction: Yoshichu-Mannequin
Lighting Design: Luminous



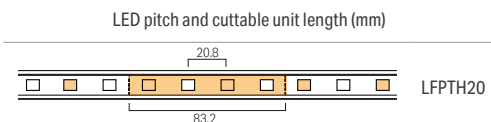
Luci Power FLEX THOF

Tunable white strip light with two CCT LEDs alternating at narrow pitch ideal for concealed or backlight

Free choice of two different CCTs efficiently emphasizing, design intent, ambiance, and circadian lighting.

Specifications

Dimensions



Cross section W 15 x H 4.5 mm

Standard length 1m with both ends open end wire

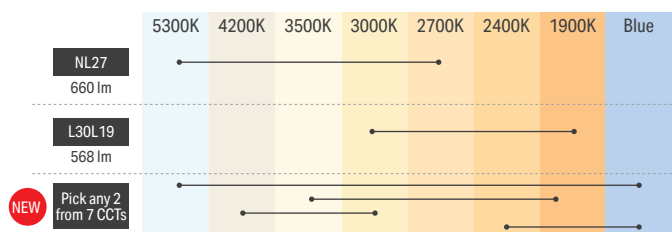
Custom order up to 5m lengths at every unit length with both ends or one end feed cable

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	LFPTH20
Power Consumption (W/m)	11
Luminous flux (lm/m)	660 @ 5300K 100% 2700K 100%

Color temperature

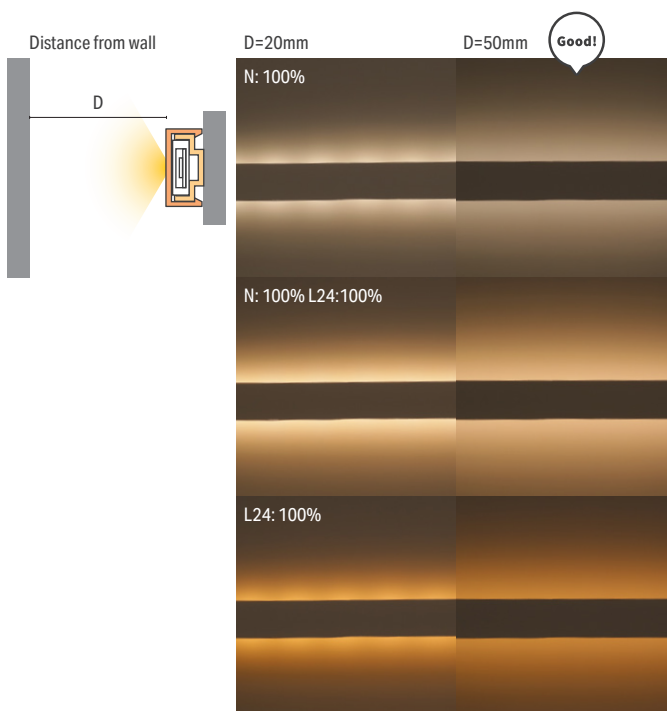
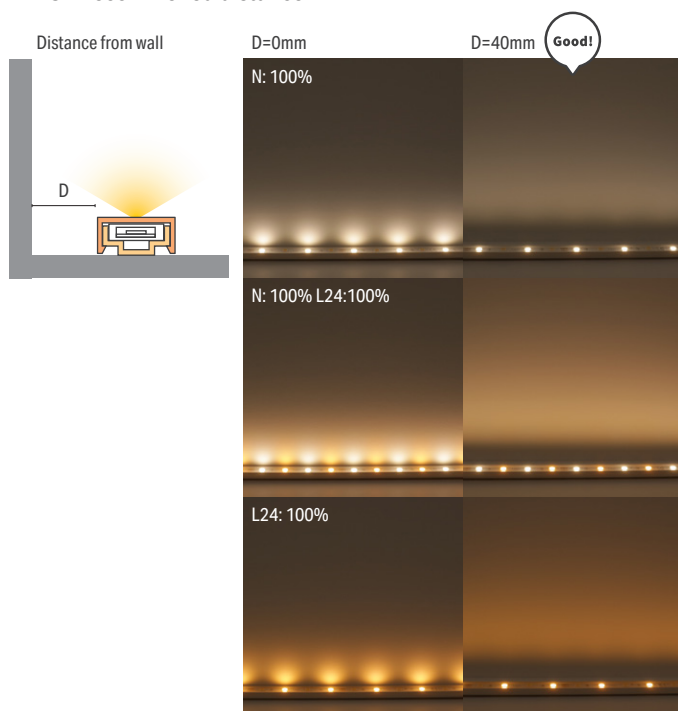


Min Bending radius

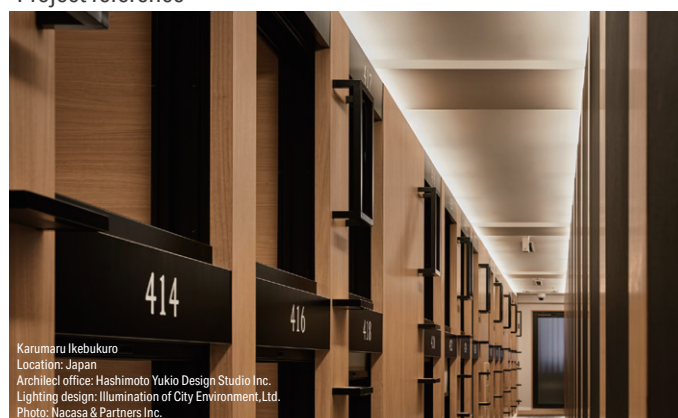
R 50mm in top (vertical) bend direction



TIPS - Recommended distance



Project reference



LFPPTH

RENEWAL

Color management
ANSI BIN



3 years
warranty

- For Dynamic white or Dim-to-Warm application
- Arranging 2 colors of LED package alternately
- Free to select 2 CCTs from 7 CCTs



Model No.

LFPPTH20

- T -

-

CL

-

I

Product Name / LED pitch	Length / Lead wire	Light source color	Tube type	Environment
LFPPTH20 : 20mm pitch	Custom order length	Higher CCT Lower CCT Select 2 CCTs N : 5300K W : 4200K WW : 3500K L30 : 3000K L27 : 2700K L24 : 2400K L21 : 2100K L19 : 1900K B : Blue	CL : Clear	I : Indoor
	W : Both ends S : One ends			

Specification

LED pitch	20mm pitch
Model No.	LFPPTH20-T <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> -CL-I
Power consumption	11W/m (Max)
Fitting length(L)	1011mm
Weight	55g
Cutable unit	83.2mm (4 LED)
Luminaire efficacy (N 100%, L27 100%)	76.4 lm/W
Light source color	○ = Device inventory * = Equivalent * = Please contact us since it is made-to-order products and has MOQ.
NL27	○
L30L19	*
Dimming rate	
NL27 5300K~2700K	N 100%, L27 0% Ra89 ○ 360lm N 100%, L27 100% Ra90 ○ 660lm N 0%, L27 100% Ra86 ○ 326lm
L30L19 3000K~1900K	L30 100%, L19 0% Ra89 * 322lm L30 100%, L19 100% Ra80 * 568lm L30 0%, L19 100% Ra65 * 262lm

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

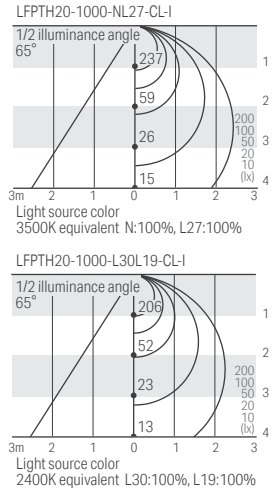
Input voltage	DC24V
LED beam angle	120°
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachment	⑦ End cap 2pcs
Option parts	① ② ③ ④ Mounting rail ⑤ ⑥ Mounting clip ⑦ End cap ⑧ Magnet
Certification	CE, BIS
Dimmable	Yes (Dynamic white driver is required)
Power Supplies	Required

Max. connectable length per power supply

Length of LED fixture (70% loading factor) During dimmer use *: split into multiple circuits	Power supply
~3.3m	50W power supply
~6.6m*	100W power supply
~10m*	150W power supply

Light Intensity

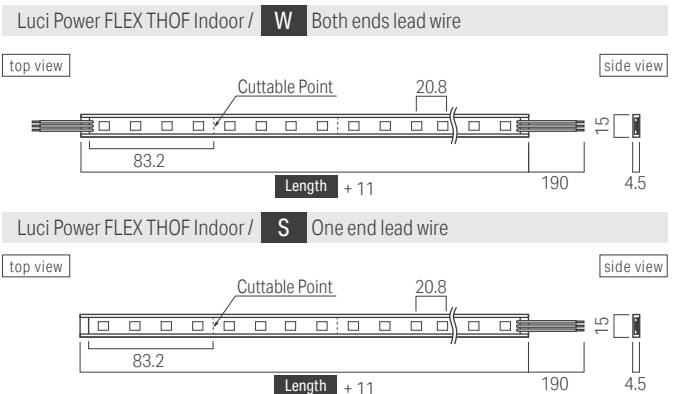
Refer to P.73



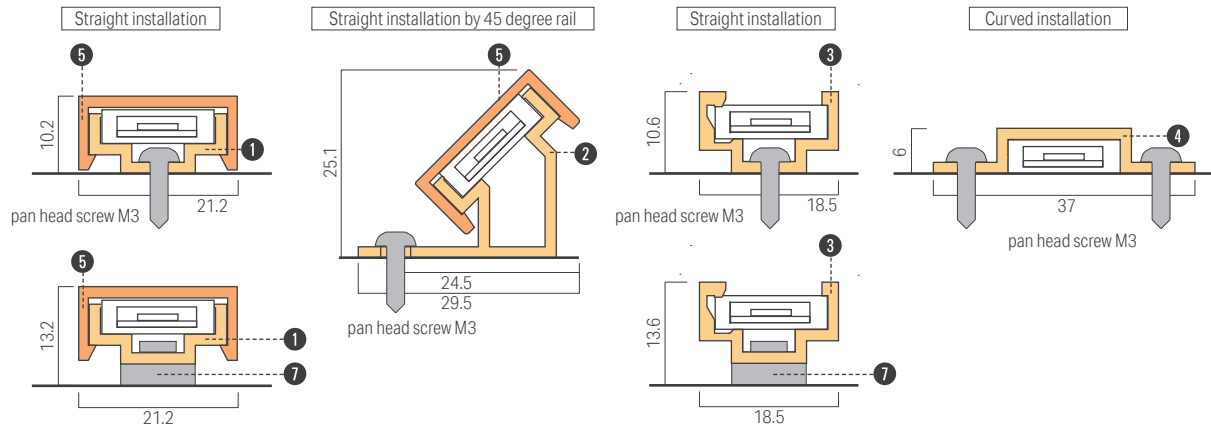
Custom order length

Luci Power FLEX THOF				
Corresponds to Length of Model No. and External dimensions				
0083	1082	2080	3078	4077
0166	1165	2163	3162	4160
0250	1248	2246	3245	4243
0333	1331	2330	3328	4326
0416	1414	2413	3411	4410
0499	1498	2496	3494	4493
0582	1581	2579	3578	4576
0666	1664	2662	3661	4659
0749	1747	2746	3744	4742
0832	1830	2829	3827	4826
0915	1914	2912	3910	4909
1000	2000	3000	4000	5000

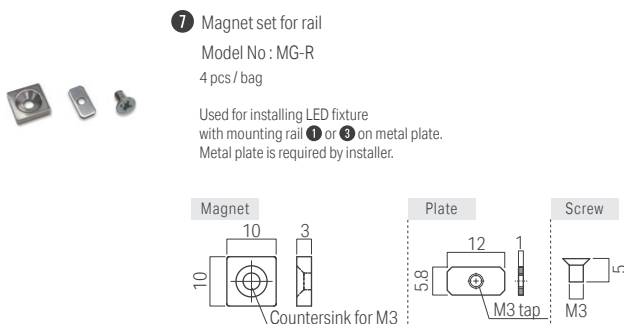
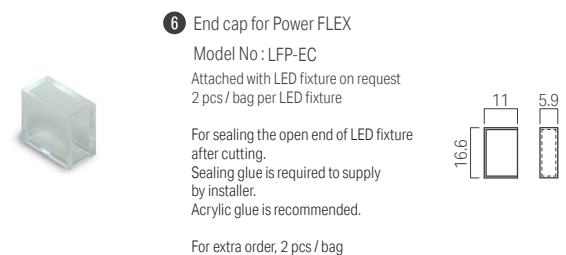
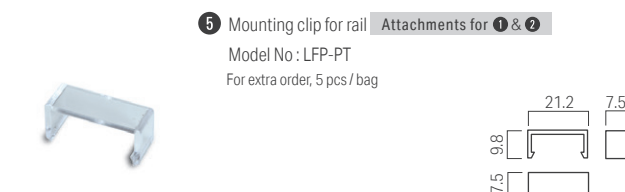
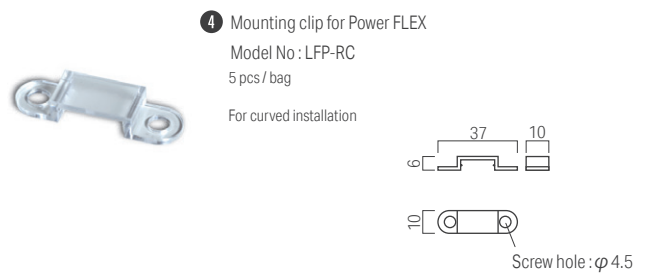
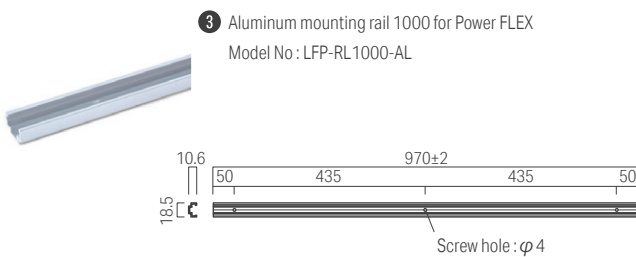
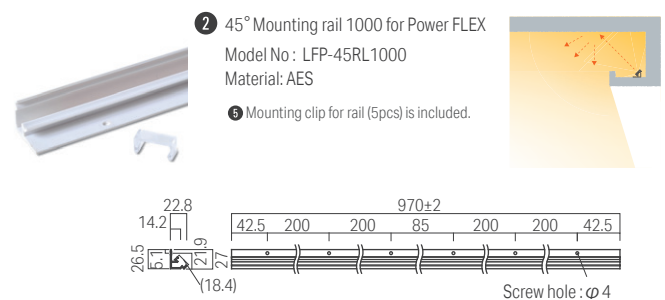
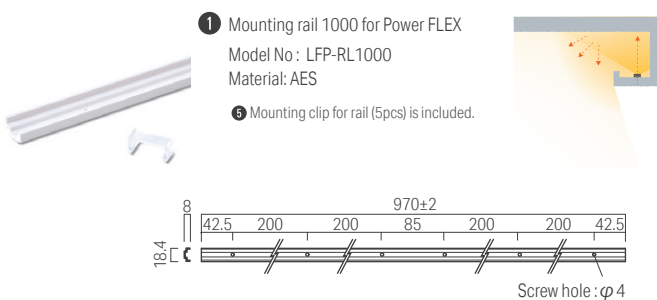
External dimensions



Cross sectional view when installing optional items

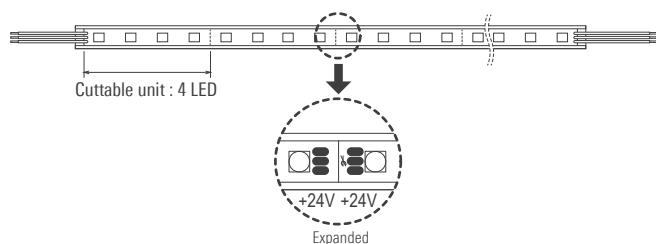


Option parts



Luci Power FLEX THOF

Cutting of lamp fitting

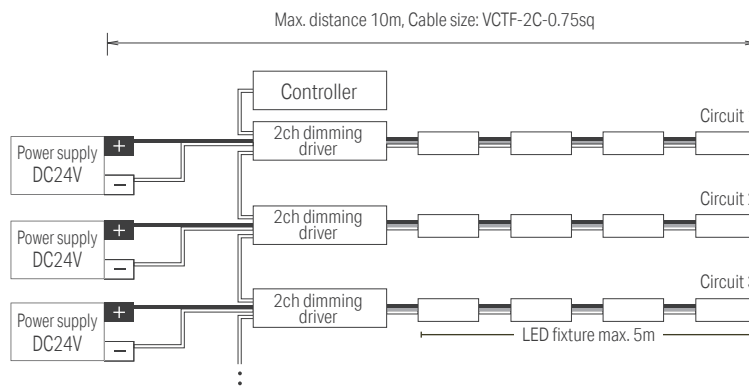


The cuttable unit of Luci Power FLEX THOF is 4 LEDs.

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

- Max. connectable total length of LED fixture per driver depends on the capacity of the driver and power supply.
- Max. length per circuit of Luci Power FLEX THOF is 5m. If it exceeds 5m, please split into multiple circuits.
- Max. distance from the power supply to the end of LED fixture is 10 m.
- Use an appropriate signal cable and install it according to the instructions caution of the signal cable installation.



For DC24V Dynamic white series

DIM-S2L8V-0

Constant Voltage - Dimmable driver (DC input) - 2ch

0-10V/1-10V Driver 8A, 2ch

EUCHIPS



Specification

Product name	12-24VDC 0-10V analog constant voltage led dimmer
Model number	DIM-S2L8V-0
Input voltage	12V - 24V
Output channel	2ch total 8A
Size	167*51*23(mm)
Weight	100g
Usage enviroment	Indoor(no condensation)
Oparating enviroment temperature	-20℃ ~ 70℃

Connectable length per dimmer driver (DIM-S2L8V-0)

*ex. when using 150W PSU, 60% load factor

Model No.	Output (W/m)	Max. length per circuit (m)	Connectable length per driver (m)	W (VA)
LFPTH-1000-*CL-I	11	5	8.1	105

For Dynamic white series

Walldim 202

Dimmer controller - 2ch

2ch Multi Function Panel Controller

EUCHIPS



Specification

Product name	Multi-Function Touch Panel Controller
Model number	Walldim202
Input voltage	12V - 15V
Output channel	50mA 2ch
Size	86*86*26(mm)
Weight	140g
Usage enviroment	Indoor(no condensation)
Operating enviroment temperature	-10℃ ~ 40℃

* Please read and follow the specification and the instruction manual issued by the manufacturer of controller and driver.
The specification may be subject to change without prior notice.

Illuminance data

CRI and luminous flux data for each CCT combination

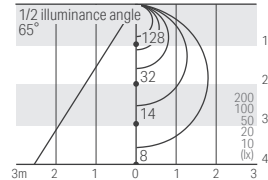


LFPTH20 Luci Power FLEX THOF®

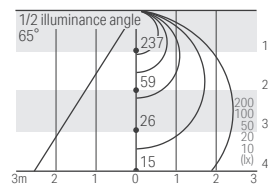
Color temperature
5300K~2700K

Direct horizontal surface light intensity distribution chart

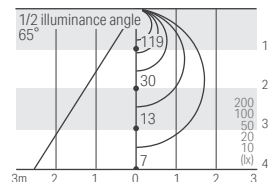
LFPTH20-1000-NL27-CL-I
Light source color 5300K
N:100%, L27:0%
Brightness 128 cd
Luminous flux 360 lm
Color rendering index Ra 89



LFPTH20-1000-NL27-CL-I
Light source color 3500K equivalent
N:100%, L27:100%
Brightness 237 cd
Luminous flux 660 lm
Color rendering index Ra 90



LFPTH20-1000-NL27-CL-I
Light source color 2700K
N:0%, L27:100%
Brightness 119 cd
Luminous flux 326 lm
Color rendering index Ra 86

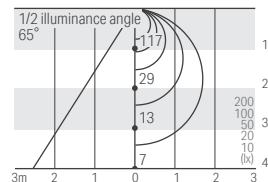


LFPTH20 Luci Power FLEX THOF®

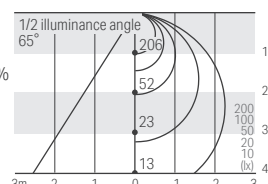
Color temperature
3000K-1900K

Direct horizontal surface light intensity distribution chart

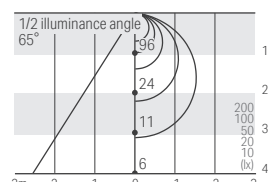
LFPTH20-1000-L30L19-CL-I
Light source color 3000K
L30:100%, L19:0%
Brightness 117 cd
Luminous flux 322 lm
Color rendering index Ra 89



LFPTH20-1000-L30L19-CL-I
Light source color 2400K equivalent
L30:100%, L19:100%
Brightness 206 cd
Luminous flux 568 lm
Color rendering index Ra 80



LFPTH20-1000-L30L19-CL-I
Light source color 1900K
L30:0%, L19:100%
Brightness 96 cd
Luminous flux 262 lm
Color rendering index Ra 65



Light source color		Ratio of output		Ra	lm
N	W	100%	0%	89	360
		100%	100%	90	658
		0%	100%	87	348
N	WW	100%	0%	89	360
		100%	100%	90	666
		0%	100%	87	333
N	L30	100%	0%	89	360
		100%	100%	90	642
		0%	100%	87	319
N	L27	100%	0%	89	360
		100%	100%	90	660
		0%	100%	86	326
N	L24	100%	0%	89	360
		100%	100%	92	611
		0%	100%	86	291
N	L21	100%	0%	89	360
		100%	100%	85	621
		0%	100%	67	291
N	B	100%	0%	89	360
		100%	100%	58	389
		0%	100%	-	60
W	WW	100%	0%	87	348
		100%	100%	89	676
		0%	100%	87	333
W	L30	100%	0%	87	348
		100%	100%	89	663
		0%	100%	87	319
W	L27	100%	0%	87	348
		100%	100%	89	642
		0%	100%	86	326
W	L24	100%	0%	87	348
		100%	100%	89	625
		0%	100%	86	291
W	L21	100%	0%	87	348
		100%	100%	83	637
		0%	100%	67	291
W	B	100%	0%	87	348
		100%	100%	58	407
		0%	100%	-	60
WW	L30	100%	0%	87	333
		100%	100%	88	627
		0%	100%	87	319
WW	L27	100%	0%	87	333
		100%	100%	88	625
		0%	100%	86	326
WW	L24	100%	0%	87	333
		100%	100%	88	622
		0%	100%	86	291
WW	L21	100%	0%	87	333
		100%	100%	81	618
		0%	100%	67	291
WW	B	100%	0%	87	333
		100%	100%	51	387
		0%	100%	-	60
L30	L27	100%	0%	87	319
		100%	100%	85	611
		0%	100%	86	326
L30	L24	100%	0%	87	319
		100%	100%	86	606
		0%	100%	86	291
L30	L21	100%	0%	87	319
		100%	100%	79	600
		0%	100%	67	291
L30	B	100%	0%	87	319
		100%	100%	46	378
		0%	100%	-	60
L27	L24	100%	0%	86	326
		100%	100%	86	581
		0%	100%	86	291
L27	L21	100%	0%	86	326
		100%	100%	77	590
		0%	100%	67	291
L27	B	100%	0%	86	326
		100%	100%	40	365
		0%	100%	-	60
L24	L21	100%	0%	86	291
		100%	100%	77	574
		0%	100%	67	291
L24	B	100%	0%	86	291
		100%	100%	29	350
		0%	100%	-	60
L21	B	100%	0%	67	291
		100%	100%	35	349
		0%	100%	-	60