![Luci logo]

Luci

LFPTH

Luci Power FLEX THOF

Color management **MacAdam 3 step**	CE	**3** years warranty

- 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)
- Cuttable every 4 LEDs (83.2mm)

Product Series	Series code	Wattage/m	Lumen/m Warm white 2700K	CRI	Cuttable unit	Custom order Max. length	Diffser Tube	IP65 avaiable
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	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	○	○

LFPTH
Luci Power FLEX THOF® Indoor

Color management CIE	CE	Dimmable (Dynamic white)

Model No.

LFPTH20 - 1000 - ＊ - CL - I

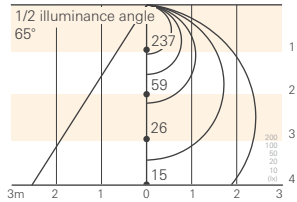| Product Name / LED pitch	-	Length	-	Light source color	-	Tube type	-	Environment
LFPTH20 : 20mm pitch		1000		L30L19: Warm white 3000K to Warm white 1900K NL27 : Natural white to Warm white 2700K		CL : Clear		I : Indoors

Light Intensity

LFPTH20-1000-L30L19-CL-I

1/2 illuminance angle 65°
206
52
23
13
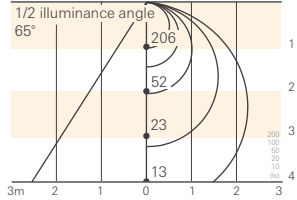
Light source color 2400K equivalent L30:100%, L19:100%

LFPTH20-1000-NL27-CL-I

1/2 illuminance angle 65°
237
59
26
15

Light source color 3500K equivalent N:100%, L27:100%

Specification

LED pitch	20mm pitch		
Model No.	LFPTH20-1000-＊-CL-I		
Power consumption	11W/m (Max)		
Fitting length(L)	1011mm		
Weight	55g		
Cuttable unit	83.2mm (4 LED)		
Luminaire efficacy (L30 100%, L19 100%)	32.5 lm/W		
Light source color	○ = Device inventory ＊ = Equivalent ＊ = Please contact us since it is made-to-order products and has MOQ.		
L30L19	○		
NL27	○		
Dimming rate			
L30L19 3000K～1900K	L30 100%, L19 0% Ra 89 ○ 322 lm	L30 100%, L19 100% Ra 80 ○ 568 lm	L30 0%, L19 100% Ra 65 ○ 262 lm
NL27 5000K～2700K	N 100%, L27 0% Ra 89 ○ 360 lm	N 100%, L27 100% Ra 90 ○ 660 lm	N 0%, L27 100% Ra 86 ○ 326 lm

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	❺ End cap 2pcs
Option parts	❶❷❸ Mounting rail ❹ Mounting clip ❺ End cap
Certification	CE
Dimmable	○ (Dynamic white)
Power Supplies	Required

External dimensions

top view
Cuttable Point   20.8
83.2
1011   190
side view
15   4.5
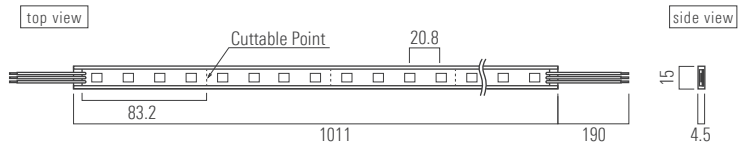
Max. connectable length per power supply

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

Optional parts

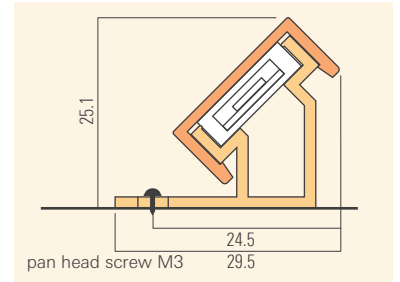**for straight** ❶ Mounting rail 1000 for Power FLEX `Option Parts`

Model No : LFP-RL1000

For straight installation.
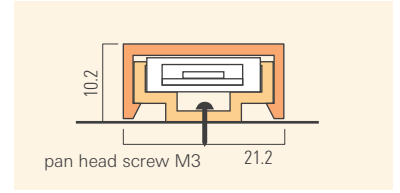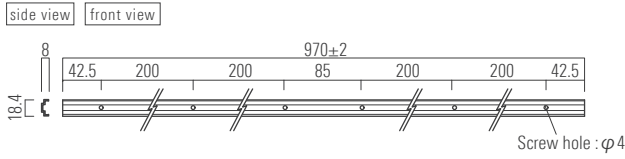
side view | front view

8
18.4
970±2
42.5　200　200　85　200　200　42.5

Screw hole : φ4

pan head screw M3　21.2
10.2

Attachment

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

21.2
9.8
7.5
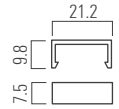
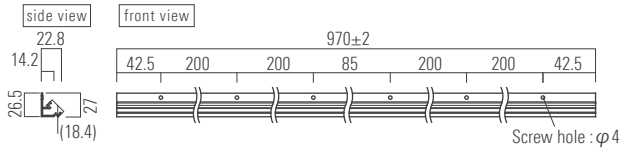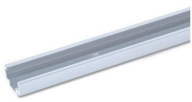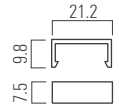**for straight** ❷ 45° Mounting rail 1000 for Power FLEX `Option Parts`

Model No : LFP-45RL1000

For tilting LED fixture in 45 degree.

side view | front view

22.8
14.2
26.5　27
(18.4)
970±2
42.5　200　200　85　200　200　42.5

Screw hole : φ4

25.1
pan head screw M3　29.5
24.5

Attachment

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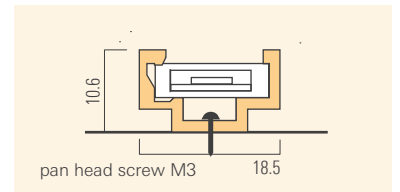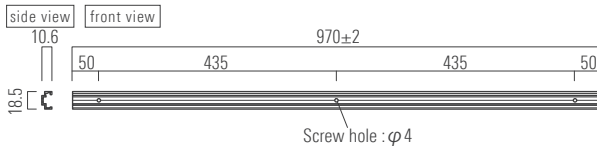5 pcs / 1 bag is included

21.2
9.8
7.5

for straight ❸ Aluminum mounting rail 1000 for Power FLEX `Option Parts`
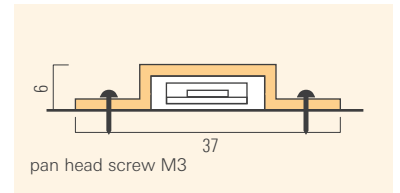
Model No : LFP-RL1000-AL

For straight installation.

side view | front view
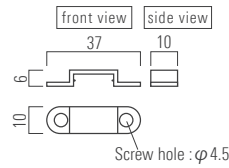
10.6
18.5
970±2
50　435　435　50

Screw hole : φ4

10.6
pan head screw M3　18.5

for curved ❹ Mounting clip for Power FLEX `Option Parts`

Model No : LFP-RC
5 pcs/1 bag

For curved installation.
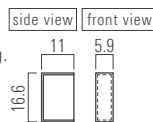
front view | side view
37　10
6
10
Screw hole : φ4.5

6
pan head screw M3
37

❺ 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.
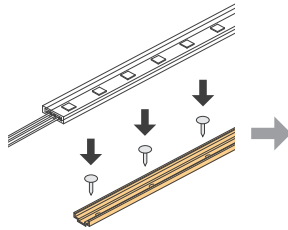Acrylic glue is recommended.

side view | front view
11　5.9
16.6

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.

Cove lighting

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

Mounting clip bundled with a rail
Attachment
Mounting clip for rail
(LFP-PT)
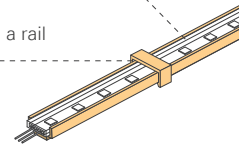
Cornice lighting

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

Attachment
Mounting clip for rail
(LFP-PT)

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

Straight installation by 45 degreee rail

Screw fixing

Tilting LED fixture in 45 degree.
The 45 degree 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.

Cove lighting

Option Parts
❷ 45° Mounting rail 1000 for Power FLEX
(LFP-45RL1000)

Cornice lighting
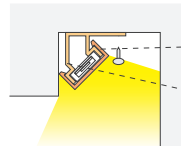
Mounting clip bundled with a rail
Attachment
Mounting clip for rail
(LFP-PT)

Option Parts
❷ 45° Mounting rail 1000 for Power FLEX
(LFP-45RL1000)

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

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.)
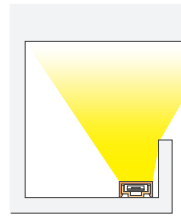
Option Parts
❹ Mounting clip for Power FLEX
(LFP-RC)

Bonding

Install the mounting clips with acrylic compatible adhesive where screws cannot be fastened.

R50mm

Cutting of lamp fitting

The cuttable unit of Luci Power FLEX THOF is 4 LEDs.
Failure will caused by cutting on incorrect position.

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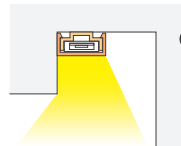Sealing glue should be supplied by installer.Acrylic glue is recommended.

Cuttable unit : 4 LED

+24V +24V

Expanded

System configuration diagram

■ Max. connectable length depends on the wattage of the 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 10m
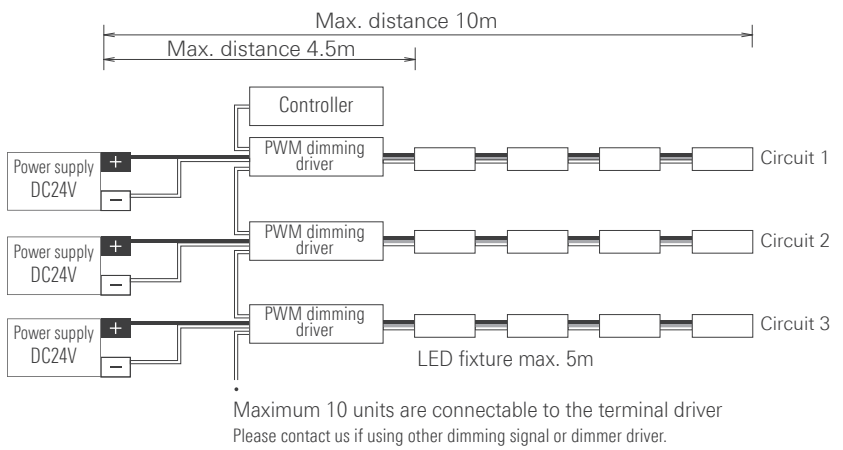
Max. connectable length per power supply	
Length of LED fixture	Power supply
(70% loading factor) *=split into multiple circuits	
∼3.3m	50W power supply
∼6.6m*	100W power supply
∼10m*	150W power supply

Max. distance 10m
Max. distance 4.5m

Controller

Power supply DC24V + − | PWM dimming driver | Circuit 1

Power supply DC24V + − | PWM dimming driver | Circuit 2

Power supply DC24V + − | PWM dimming driver | Circuit 3

LED fixture max. 5m

Maximum 10 units are connectable to the terminal driver
Please contact us if using other dimming signal or dimmer driver.

Luci original dynamic white dimmer controller

Use these together

PWM Light Controller for THOF (LLC-PLC-T)

Input voltage	DC12~24V
Input current	Max.5A
Output current	Max.5A
Size	W70*H120*D40 mm
Usage environment	Indoors

Multi Controller Switch for THOF (LLC-MFC-SWC)

Input voltage	DC12~24V
Input current	Max.100mA
Output current	Max.5A
Size	W70*H120*D32.2 mm
Usage environment	Indoors

Multi Controller (LLC-MFC-10)

|	
Input voltage	DC12~24V
Input current	
Output current	1A max/CH
Size	W212.5*H124*D32.5mm
Usage environment	Indoors

Luci original dynamic white dimmer driver

PWM Dimming driver 5A for THOF (LLC-PWM5A-T)

Input voltage	DC12~24V
Input current	Max.100mA
Output current	Max.5A
Size	W64*H130*D27 mm
Usage environment	Indoors

0-10V dynamic white dimmer driver

2ch 0-10V dimmer driver (DIM-S2L8V-O) EUCHIPS

Input voltage	DC12~24V
Output current	8A/2CH(for Brightness mode) Totally 8A(for CCT mode)
Size	W167*H51*D23mm
Usage environment	Indoors

Direct horizontal surface light intensity distribution chart

L30L19

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

1/2 illuminance angle 65°
117
29
13
7

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

1/2 illuminance angle 65°
206
52
23
13

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

1/2 illuminance angle 65°
96
24
11
6

NL27

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

1/2 illuminance angle 65°
128
32
14
8

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

1/2 illuminance angle 65°
237
59
26
15

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

1/2 illuminance angle 65°
119
30
13
7

Luci Pte. Ltd.

Singapore World HQ
52A Tanjong Pagar Road, Singapore 088473
Tel : +65-6291-2410   E-mail : info@luci.co.jp

Hong Kong Marketing Office
Room 1801, 18/F, Kwai Hung Holdings Centre, 89 King's Road, North Point,Hong Kong
Tel : +852-2219-8462   E-mail : info@luci.co.jp

Dubai Marketing Office
5WA 331, DAFZA, Dubai, United Arab Emirates
Tel: +971-54-446-0350   E-mail : info@luci.co.jp

Group company
Luci Co., Ltd.

Tokyo Japan Regional HQ
Akasaka Bldg. 4F, 4-13-13, Akasaka, Minato-ku, Tokyo 107-0052, Japan
Tel : +81-3-6327-7409   E-mail : info@luci.co.jp

Osaka Office
Yotsubashinakano Bldg. 3F, 1-1-14, Minamihorie, Nishi-ku, Osaka-shi, Osaka 550-0015, Japan
Tel : +81-6-6110-7520   E-mail : info@luci.co.jp

Group company
LUCI（SHANGHAI）LIGHTING TECHNOLOGY CO., LTD.

Shanghai China mainland Regional HQ : 上海本社
Rm.1804, South Building, 300 Xuanhua Rd., Changning District, Shanghai(200050)PRC.
Tel : +86-21-5238-9115   E-mail : info@luci.co.jp

Beijing Office : 北京分公司
Rm.1030 Building102, (Qingnian Rd) Qingniangongshe., Chaoyang North Rd, Chaoyang District, Beijing(100026)PRC.
Tel : +86-10-6556-9541   E-mail : info@luci.co.jp

Partner Company Korea
SANSHO Korea CO.,LTD.
韓國三昌商事株式會社
KOREA SANSHO SHOJI CO.,LTD.
#507, 36, Teheran-ro 87gil, Gangnam-gu, Seoul, 06164, Korea
Tel: +82-2-508-2541