

Indoor
Strip light

LFPTH Luci Power FLEX THOF®

Color management
ANSI BIN



3 years
warranty



LFPEX / LFPSC / LFP / LFPTH / LFTF / LFPA / LFXF

Luci FLEX series



MARK by The Work Project
Singapore
Design: Hassell
Construction: Ngai Chin Construction Pte Ltd



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





LFPEX / LFPSC / LFP / LFPTH / LFTF / LFPA / LFXF

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
- Cutable every 6 LEDs (125 mm)



Luci Power FLEX THOF

Dynamic White

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

- 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.112	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	○ P.115	5m	N/A	○ P.186
	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.120	LFPSC20	14.2 W/m	965 lm/m	Ra96	125 mm	N/A	N/A	N/A	N/A
Luci Power FLEX LFP P.122	LFP15	15.4 W/m	790 lm/m	Ra 90	30 mm	○ P.125	4.5m	○	○ P.190
	LFP20	10.5 W/m	563 lm/m		40 mm		5m		
Luci Power FLEX TH0F LFPTH Dynamic White P.128	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.132	LFTF10	3.9 W/m	282 lm/m	Ra 87	62.4 mm	○ P.135	5m	○	○ P.194
	LFTF16	2.5 W/m	176 lm/m		100 mm				
Side bend  Luci Power FLEX α LFPA P.138	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.142	LFXF10	3.9 W/m	252 lm/m	Ra 71	62.4 mm	○ P.145	5m	○

LFPTH



Color management
ANSI BIN

CE

3 years warranty

- Dynamic white by 2ch control signals
- Arranging 2 colors of LED package alternately
- 2 types of color range (1900K to 3000K, 2700K to 5000K)

Model No.

LFPTH20 - 1000 - [] - CL - I

Product Name / LED pitch	Length	Light source color	Tube type	Environment
LFPTH20 : 20mm pitch	1000	NL27 : 5000K~2700K L30L19 : 3000K~1900K	CL : Clear	I : Indoor

Specification

LED pitch	20mm pitch		
Model No.	LFPTH20-1000-[]-CL-I		
Power consumption	11W/m (Max)		
Fitting length(L)	1011mm		
Weight	55g		
Cutttable 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.		
NL27	○		
L30L19	*		
Dimming rate			
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
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

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.

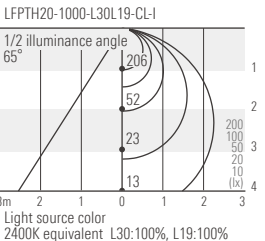
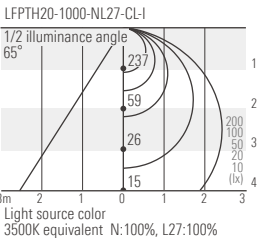
General Specification

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
Dimmable	○
Power Supplies	Required

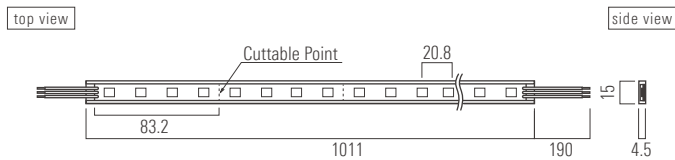
Max. connectable length per power supply

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.130



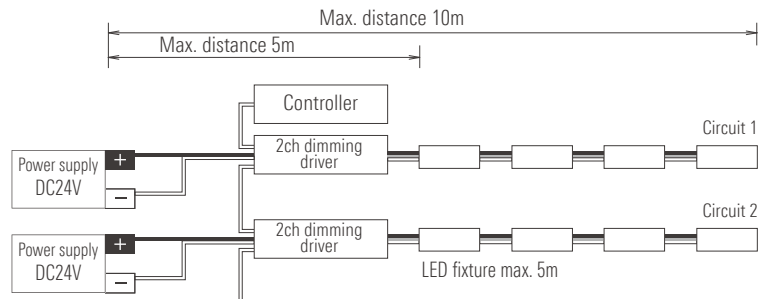
External dimentions



Cross sectional view when installing optional items	P.123
Option parts	P.123
Installing the product	P.124

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 10 m.
- Twist shield cable is recommended to use as a signal cable.



* 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.

For DC24V Dynamic white series	DIM-S2L8V-0	Constant Voltage - Dimmable driver (DC input) - 2ch	0-10V/1-10V Driver 8A, 2ch	EUCHIPS
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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 temprature	-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

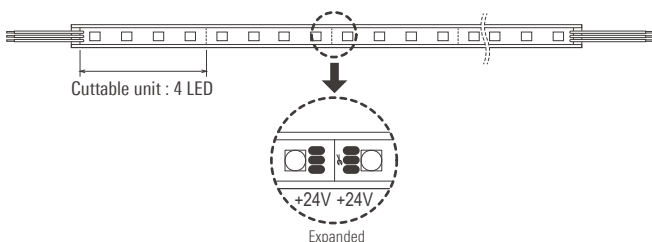
For Dynamic white series	Walldim 202	Dimmer controller - 2ch	2ch Multi Function Panel Controller	EUCHIPS
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Specification

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)
Oparating enviroment temprature	-10℃ ~ 40℃

Cutting of lamp fitting



The cutable 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.

Illuminance data

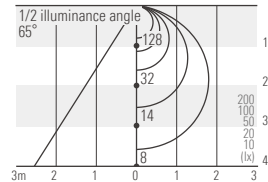


LFPTH20 Luci Power FLEX THOF®

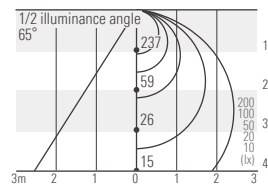
Color temperature
5300K-2700K

Direct horizontal surface light intensity distribution chart

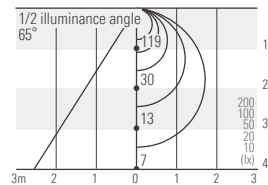
LFPTH20-1000-NL27-CL-I
Light source color 5300K
N:100%, L27:0%
Brightness 128 cd
Luminous flux 360 lm
Color rendering index Ra 89



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

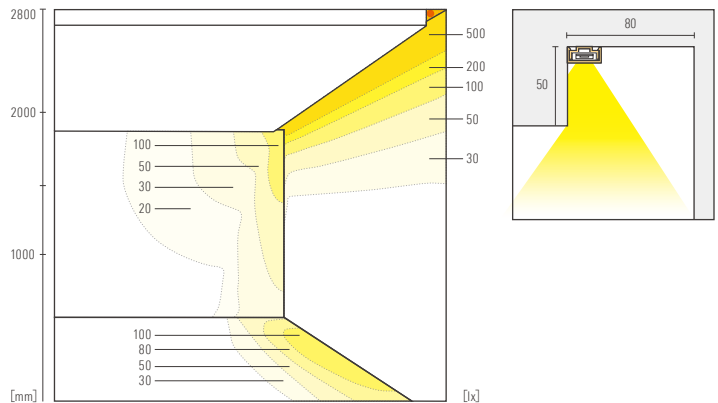


LFPTH20-1000-NL27-CL-I
Light source color 2700K
N:0%, L27:100%
Brightness 119 cd
Luminous flux 326 lm
Color rendering index Ra 86

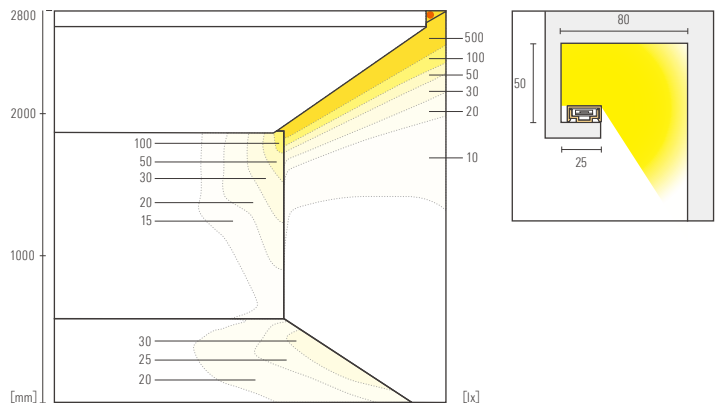


Recommend dimensions and illumination distributions@2700K

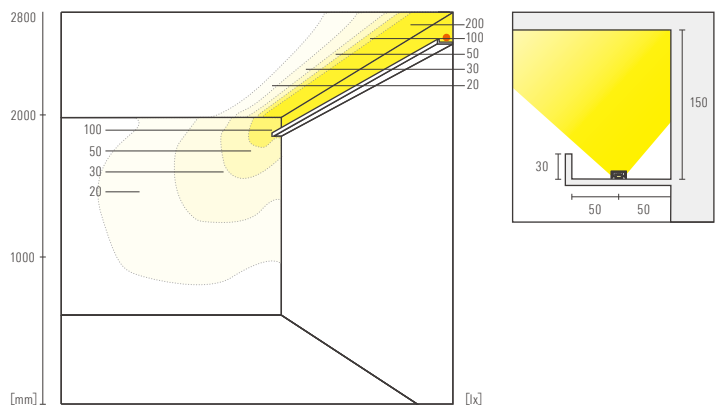
Cornice lighting-1 CH=2800



Cornice lighting-2 CH=2800



Cove lighting CH=2800



Illuminance data



LFPTH20
Luci Power FLEX THOF®

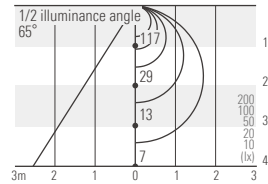
Color temperature

3000K-1900K

Direct horizontal surface light intensity distribution chart

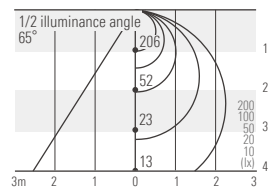
LFPTH20-1000-L30L19-CL-I

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

