

Luci SHIN FLEX THOF

LFTHY **SHIN** series **NEW**



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

SHIN FLEX THOF®

Customisable up to 5M now
For tunable white or Dim-to-Warm application
Arranging 2 colors of LED package alternately
Free to select 2 CCTs from 9 CCTs

Indoor

Strip Light

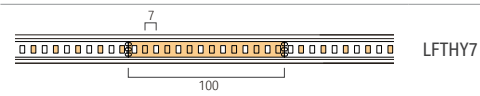
LFTHY

SHIN FLEX THOF®

Specifications

Dimensions

LED pitch and cuttable unit length (mm)

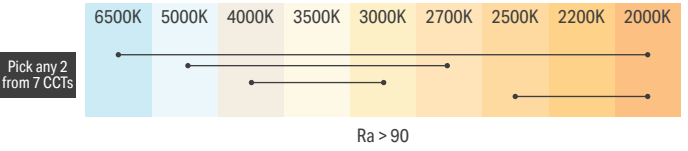


Cross section W 15 x H 4.5 mm

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

Cutttable 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.

Color temperature



Electrical & Output @5000K 100%, 2700K 100%

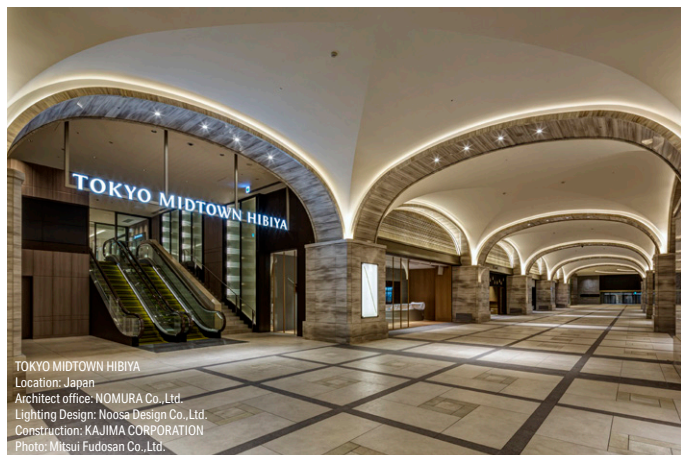
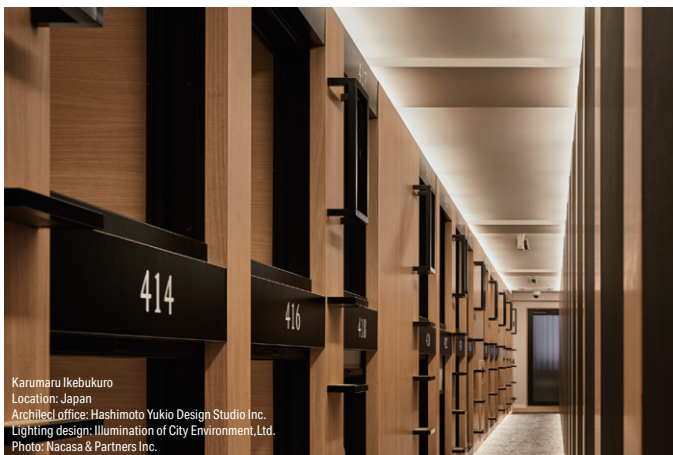
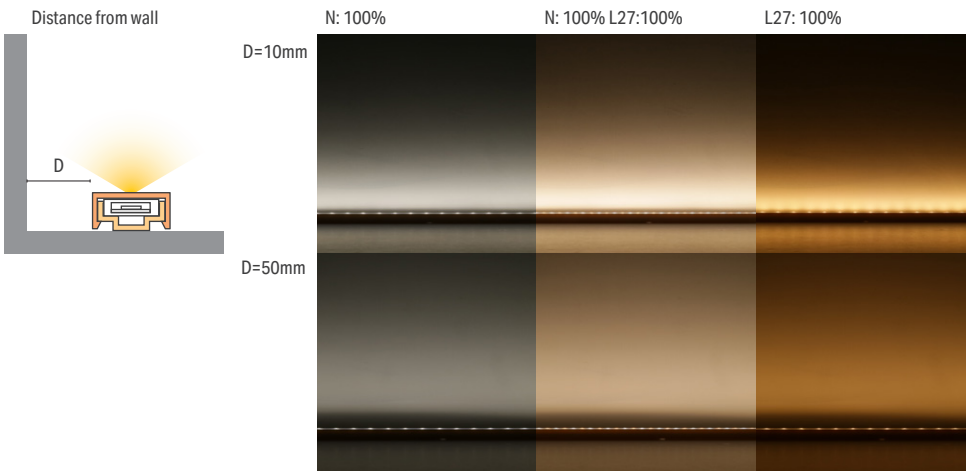
	LFPTH			SHIN series LFTHY			Efficacy Improvement
	W/m	lm/m	lm/W	W/m	lm/m	lm/W	
				2.1 W/m	315.9 lm/m		
				4.2 W/m	596.8 lm/m		
5000K 100%, 2700K 100%	11.0 W/m	660 lm/m	60 lm/W	6.4 W/m	888.3 lm/m	138.9 lm/W	231%
5000K 100%, 2700K 0%					469.3 lm/m		
5000K 0%, 2700K 100%					419 lm/m		
				10.8 W/m	1506.3 lm/m		
				15.9 W/m	2120 lm/m		

Min Bending radius

R 50mm in top (vertical) bend direction



TIPS - Recommended distance



LFTHY **SHIN** series **NEW**



Color management
MacAdam 3 step

- Customisable up to 5m
- For tunable white or Dim-to-Warm application
- Arranging 2 colors of LED package alternately
- Free to select 2 CCTs from 9 CCTs

Model No.

LFTHY7 - T - Higher CCT Lower CCT - **CL** - **I** -

Product Name / LED pitch	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFTHY7 : 7mm pitch	Custom order length	W : Both ends S : One ends	Select 2 CCTs D : 6500K N : 5000K W : 4000K WW : 3500K L30 : 3000K L27 : 2700K L25 : 2500K L22 : 2200K L20 : 2000K	CL : Clear	I : Indoor	2 : 2.1 W/m 4 : 4.2 W/m 6 : 6.4 W/m 10 : 10.8 W/m 15 : 15.9 W/m

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.

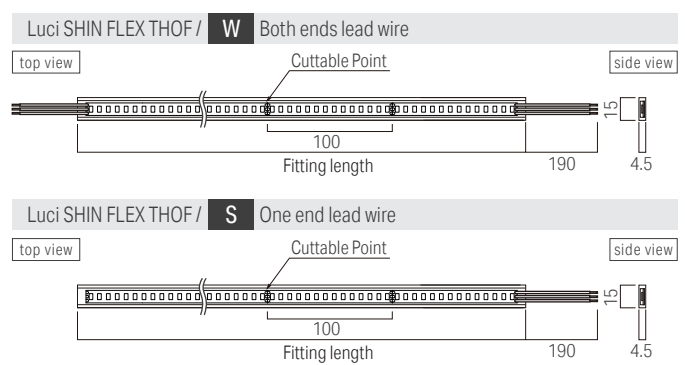
Specification

LED pitch	7mm pitch				
Model No.	LFTHY7-T <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -CL-I-2	LFTHY7-T <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -CL-I-4	LFTHY7-T <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -CL-I-6	LFTHY7-T <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -CL-I-10	LFTHY7-T <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> -CL-I-15
Wattage	2.1 W/m	4.2 W/m	6.4 W/m	10.8 W/m	15.9 W/m
Fitting length	Custom order length				
Weight	60g / 1011mm				
Cuttable unit	100 mm (14 LED)				

General specification

Input voltage	DC24V
Environment	Indoors (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material	Soft acrylic
Attachments	⑦ End cap 2pcs
Accessories	① ② ③ Mounting rail ④ Mounting clip ⑤ Mounting parts ⑥ End cap ⑦ Magnet
Certification	CE, PTB FREE
Dimmable	Yes (Tunable white driver is required)

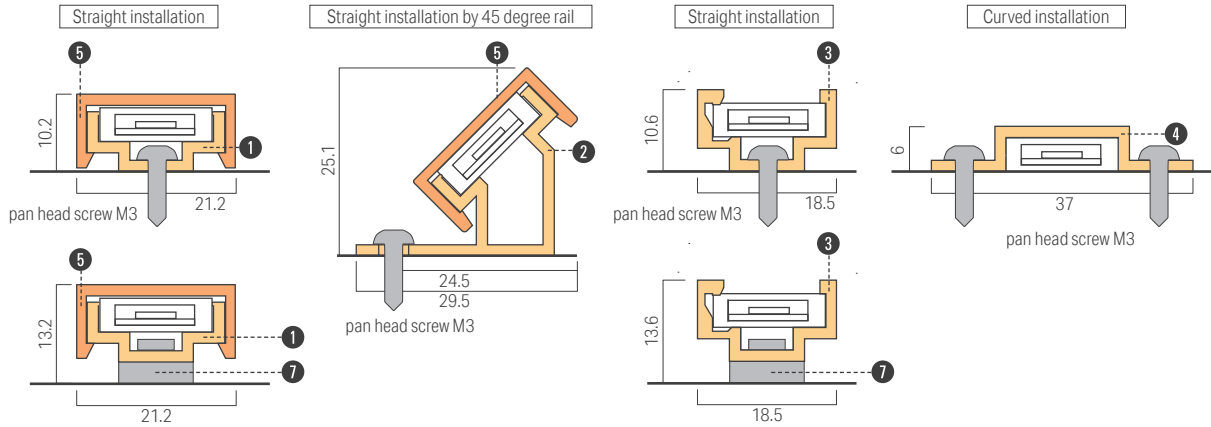
External dimensions



Custom order length

Lucii SHIN FLEX THOF									
Corresponds to Length of Model No. and External dimensions									
Length	Fitting length	Length	Fitting length	Length	Fitting length	Length	Fitting length	Length	Fitting length
0100	111mm	1100	1111mm	2100	2111mm	3100	3111mm	4100	4111mm
0200	211mm	1200	1211mm	2200	2211mm	3200	3211mm	4200	4211mm
0300	311mm	1300	1311mm	2300	2311mm	3300	3311mm	4300	4311mm
0400	411mm	1400	1411mm	2400	2411mm	3400	3411mm	4400	4411mm
0500	511mm	1500	1511mm	2500	2511mm	3500	3511mm	4500	4511mm
0600	611mm	1600	1611mm	2600	2611mm	3600	3611mm	4600	4611mm
0700	711mm	1700	1711mm	2700	2711mm	3700	3711mm	4700	4711mm
0800	811mm	1800	1811mm	2800	2811mm	3800	3811mm	4800	4811mm
0900	911mm	1900	1911mm	2900	2911mm	3900	3911mm	4900	4911mm
1000	1011mm	2000	2011mm	3000	3011mm	4000	4011mm	5000	5011mm

Cross sectional view with accessories



Accessories

1 Mounting rail 1000 for Power FLEX
 Model No : LFP-RL1000
 Material: AES

5 Mounting clip for rail (5pcs) is included.

2 45° Mounting rail 1000 for Power FLEX
 Model No : LFP-45RL1000
 Material: AES

5 Mounting clip for rail (5pcs) is included.

3 Aluminum mounting rail 1000 for Power FLEX
 Model No : LFP-RL1000-AL

4 Mounting clip for Power FLEX
 Model No : LFP-RC
 5 pcs / bag

For curved installation

5 Mounting clip for rail **Attachments for 1 & 2**
 Model No : LFP-PT
 For extra order, 5 pcs / bag

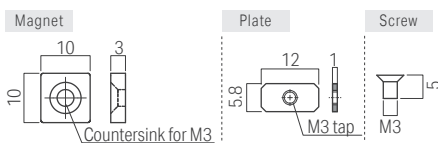
6 End cap for Power FLEX **Attachments**
 Model No : LFP-EC
 Attached with light fixture on request
 2 pcs / bag per light fixture

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

For extra order, 2 pcs / bag

7 Magnet set for rail
 Model No : MG-R
 4 pcs / bag

Used for installing light fixture with mounting rail **1** or **3** on metal plate.
 Metal plate is required by installer.



Max. connectable length per PSU

Length of light fixture (70% loading factor) During dimmer use *: split into multiple circuits					PSU
2.1 W/m	4.2 W/m	6.4 W/m	10.8 W/m	15.9 W/m	
~16.7m*	~8.3m*	~5.5m*	~3.2m	~2.2m	50W
~33.3m*	~16.7m*	~10.9m*	~6.5m*	~4.4m	100W
~50m*	~25.0m*	~16.4m*	~9.7m*	~6.6m*	150W

CRI and luminous flux data for each CCT combination

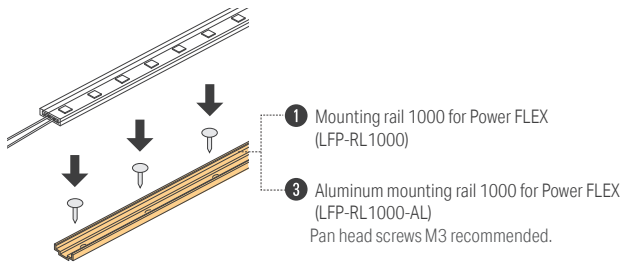
Light source color	Inventory	Ratio of output				CRI	2.1W/m		4.2W/m		6.4W/m		10.8W/m		15.9W/m	
		100%	0%	100%	0%		lm/m	lm/W	lm/m	lm/W	lm/m	lm/W	lm/m	lm/W	lm/m	lm/W
D N	*	D 100%	N 0%	94	168.4	157.8	318.1	149.1	473.5	147.5	802.9	141.6	1130			
		100%	100%	92	335.3		633.4		942.8		1598.6		2250			
		0%	100%	93	166.9		315.3		469.3		795.8		1120			
D W	*	D 100%	W 0%	94	168.4	156.4	318.1	147.8	473.5	146.2	802.9	140.4	1130			
		100%	100%	95	332.3		627.7		934.4		1584.4		2230			
		0%	100%	95	163.9		309.7		460.9		781.6		1100			
D WW	*	D 100%	WW 0%	94	168.4	155.7	318.1	147.1	473.5	145.6	802.9	139.8	1130			
		100%	100%	96	330.8		624.9		930.2		1577.3		2220			
		0%	100%	95	162.4		306.8		456.7		774.4		1090			
D L30	*	D 100%	L30 0%	94	168.4	153.6	318.1	145.1	473.5	143.6	802.9	137.9	1130			
		100%	100%	94	326.3		616.5		917.6		1556.0		2190			
		0%	100%	96	157.9		298.4		444.1		753.1		1060			
D L27	○	D 100%	L27 0%	94	168.4	149.4	318.1	141.1	473.5	139.7	802.9	134.1	1130			
		100%	100%	94	317.4		599.6		892.5		1513.4		2130			
		0%	100%	96	149.0		281.5		419.0		710.5		1000			
D L25	*	D 100%	L25 0%	94	168.4	131.2	318.1	123.9	473.5	122.6	802.9	117.7	1130			
		100%	100%	94	278.6		526.4		783.5		1328.6		1870			
		0%	100%	96	110.3		208.3		310.1		525.8		740			
D L22	*	D 100%	L22 0%	94	168.4	127.7	318.1	120.6	473.5	119.3	802.9	114.6	1130			
		100%	100%	93	271.2		512.3		762.6		1293.1		1820			
		0%	100%	96	102.8		194.2		289.1		490.2		690			
D L20	○	D 100%	L20 0%	94	168.4	123.5	318.1	116.6	473.5	115.4	802.9	110.8	1130			
		100%	100%	92	262.2		495.4		737.4		1250.5		1760			
		0%	100%	95	93.9		177.3		264.0		447.6		630			
N W	*	N 100%	W 0%	92	166.9	155.7	315.3	147.1	469.3	145.6	795.8	139.8	1120			
		100%	100%	95	335.3		633.4		942.8		1598.6		2250			
		0%	100%	93	168.4		318.1		473.5		802.9		1130			
N WW	*	N 100%	WW 0%	92	166.9	155	315.3	146.4	469.3	144.9	795.8	139.1	1120			
		100%	100%	96	329.3		622.1		926.0		1570.2		2210			
		0%	100%	93	162.4		306.8		456.7		774.4		1090			
N L30	*	N 100%	L30 0%	92	166.9	152.9	315.3	144.5	469.3	142.9	795.8	137.2	1120			
		100%	100%	94	324.8		613.7		913.4		1548.9		2180			
		0%	100%	94	157.9		298.4		444.1		753.1		1060			
N L27	○	N 100%	L27 0%	92	166.9	148.7	315.3	140.5	469.3	139	795.8	133.5	1120			
		100%	100%	94	315.9		596.8		888.3		1506.3		2120			
		0%	100%	95	149.0		281.5		419.0		710.5		1000			
N L25	*	N 100%	L25 0%	92	166.9	130.5	315.3	123.3	469.3	122	795.8	117.1	1120			
		100%	100%	94	277.1		523.6		779.3		1321.5		1860			
		0%	100%	95	110.3		208.3		310.1		525.8		740			
N L22	*	N 100%	L22 0%	92	166.9	127	315.3	119.9	469.3	118.7	795.8	113.9	1120			
		100%	100%	93	269.7		509.5		758.4		1286.0		1810			
		0%	100%	96	102.8		194.2		289.1		490.2		690			
N L20	○	N 100%	L20 0%	92	166.9	122.8	315.3	116	469.3	114.7	795.8	110.2	1120			
		100%	100%	92	260.8		492.6		733.3		1243.4		1750			
		0%	100%	97	93.9		177.3		264.0		447.6		630			
W WW	*	W 100%	WW 0%	95	168.4	153.6	318.1	145.1	473.5	143.6	802.9	137.9	1130			
		100%	100%	96	330.8		624.9		930.2		1577.3		2220			
		0%	100%	95	162.4		306.8		456.7		774.4		1090			
W L30	*	W 100%	L30 0%	95	168.4	151.5	318.1	143.1	473.5	141.6	802.9	136.0	1130			
		100%	100%	94	326.3		616.5		917.6		1556.0		2190			
		0%	100%	95	157.9		298.4		444.1		753.1		1060			
W L27	*	W 100%	L27 0%	95	168.4	147.3	318.1	139.2	473.5	137.7	802.9	132.2	1130			
		100%	100%	94	317.4		599.6		892.5		1513.4		2130			
		0%	100%	96	149.0		281.5		419.0		710.5		1000			
W L25	*	W 100%	L25 0%	95	168.4	129.1	318.1	121.9	473.5	120.7	802.9	115.8	1130			
		100%	100%	94	278.6		526.4		783.5		1328.6		1870			
		0%	100%	96	110.3		208.3		310.1		525.8		740			
W L22	*	W 100%	L22 0%	95	168.4	125.6	318.1	118.6	473.5	117.4	802.9	112.7	1130			
		100%	100%	93	271.2		512.3		762.6		1293.1		1820			
		0%	100%	97	102.8		194.2		289.1		490.2		690			
W L20	*	W 100%	L20 0%	95	168.4	121.4	318.1	114.6	473.5	113.4	802.9	108.9	1130			
		100%	100%	92	262.2		495.4		737.4		1250.5		1760			
		0%	100%	96	93.9		177.3		264.0		447.6		630			

○ = Device inventory

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

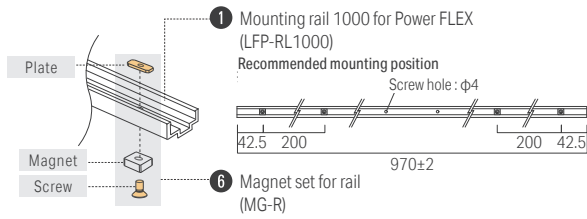
Installing the product

Straight installation

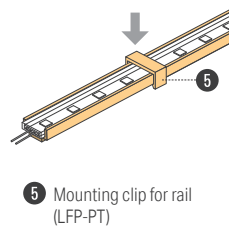


Magnet Installation

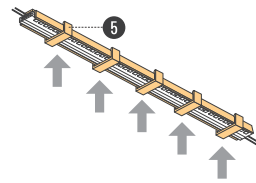
Mounting rail 1000 for Power FLEX



Cove lighting

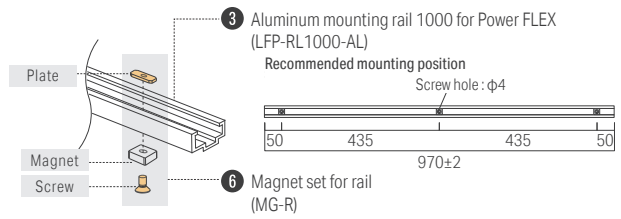


Cornice lighting

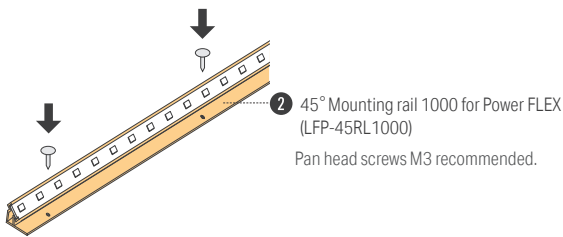


For downward installation, mounting clips for rail can prevent falling.
Recommended: 5 pcs per 1 m
* In case of Aluminum mounting rail 1000 for Power FLEX, Mounting clip for rail is not necessary.

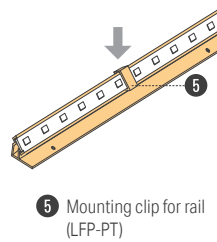
Aluminum mounting rail 1000 for Power FLEX



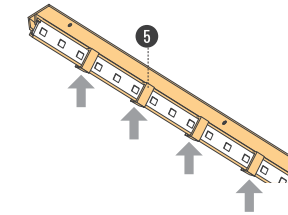
Straight installation by 45 degree rail



Cove lighting

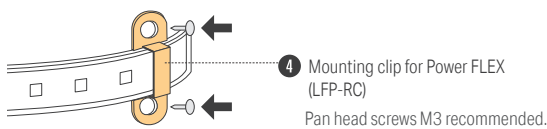


Cornice lighting



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

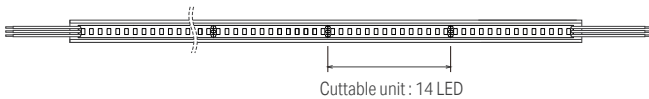
Curved installation



Minimum bending radius



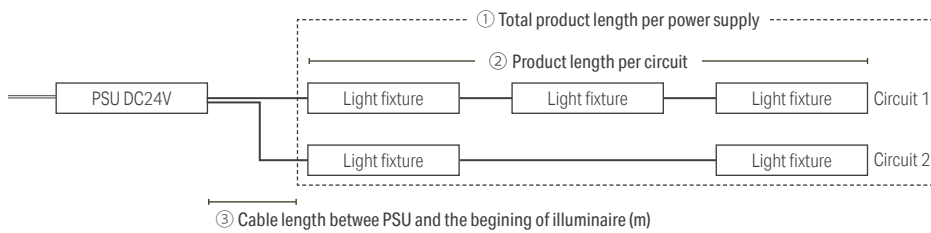
Cutting of lamp fitting



The cuttable unit of Luci SHIN FLEX THOF is 14 LEDs.

Cutting the light fixture at the wrong point may cause failure or a non-lit. End caps are required to seal the open end of the light fixture after cutting. Acrylic adhesive is recommended. Do not solder cables to the circuit board of the cut light fixture.

System configuration diagram



- ① Total product length per PSU depends on capacity of the PSU. Recommended loading factor is 70% (without dimming) or 60% (with dimming).
- ② Product length per circuit shall not exceed maximum product length per circuit. If the product length per circuit exceeds the maximum, split into multiple circuits.
- ③ To minimize voltage drop, select appropriate wire gauge / diameter and consider the cable length between PSU and the beginning of luminaire referring to the following table. If longer cable distances are required, use thicker wires or reduce the loading of the light fixtures in the circuit.

① Max. connectable length per PSU

Length of light fixture (70% loading factor) During dimmer use *: split into multiple circuits					PSU	
2.1 W/m	4.2 W/m	6.4 W/m	10.8 W/m	15.9 W/m	50W	
~16.7m*	~8.3m*	~5.5m*	~3.2m	~2.2m		
~33.3m*	~16.7m*	~10.9m*	~6.5m*	~4.4m		100W
~50m*	~25.0m*	~16.4m*	~9.7m*	~6.6m*		150W

Model No.	Wattage	② Max length per circuit	③ Max cable length between PSU and the top of luminaire at ② Max length per circuit			
			Cross section	0.3 sq	0.5 sq	0.75 sq
LFTHY7-T***-CL-I-2	2.1 W/m	5 m	AWG 22	10.4 m	16.6 m	26 m
LFTHY7-T***-CL-I-4	4.2 W/m	5 m	AWG 20	5.2 m	8.3 m	13 m
LFTHY7-T***-CL-I-6	6.4 W/m	5 m	AWG 18	3.4 m	5.5 m	8.7 m
LFTHY7-T***-CL-I-10	10.8 W/m	5 m		2.6 m	4.2 m	6.5 m
LFTHY7-T***-CL-I-15	15.9 W/m	5 m		2 m	3.3 m	5.2 m

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 environment	Indoor(no condensation)
Operating environment temperature	-20℃ ~ 70℃

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 environment	Indoor(no condensation)
Operating environment 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.