

Project Name _____
 Qty _____
 Catalog / Part Number _____



LFTHY | Luci SHIN FLEX THOF

Color management **MacAdam 3 step** **L90>B10 60K** **FLEXIBLE** **Dinamic White**

Model No.

LFTHY7 - T - - - **CL** - **I** -

Product Name / LED Pitch	Length	Lead wire	Light source color	Tube type	Environment	Wattage
LFTHY7 : 7.1mm	Custom order length	W : Both ends S : One end	Select 2 CCTs D : 6500K L27 : 2700K N : 5000K L25 : 2500K W : 4000K L22 : 2200K WW : 3500K L20 : 2000K L30 : 3000K L18 : 1800K	CL : Clear	I : Indoor	2 : 2.1W/m 4 : 4.2W/m 6 : 6.4W/m 10 : 10.8W/m 15 : 15.9W/m

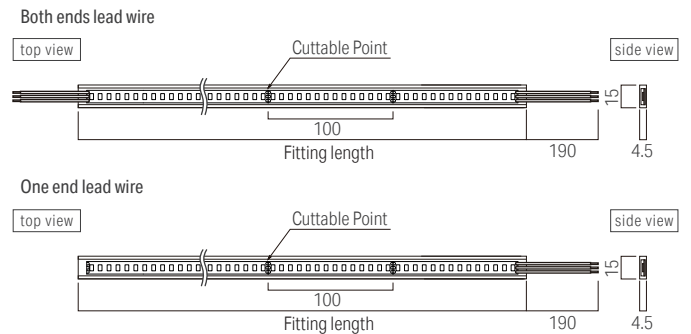
Specification

Wattage (Code)	2	4	6	10	15
Wattage (W/m)	2.1	4.2	6.4	10.8	15.9
Weight	60g / 1011mm				
Cutable unit	100 mm (14 LED)				

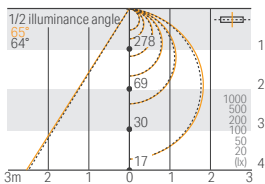
General specification

Input voltage	DC24V
Environment	Indoor (no condensation)
Max. length per circuit	5m
Min. bending range	R50mm
Material	Soft acrylic
Certification	CE, PTB FREE
Dimmable	Yes (Tunable white driver is required)

External dimensions

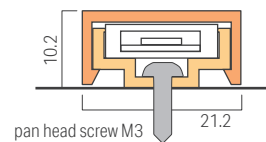


Light Intensity

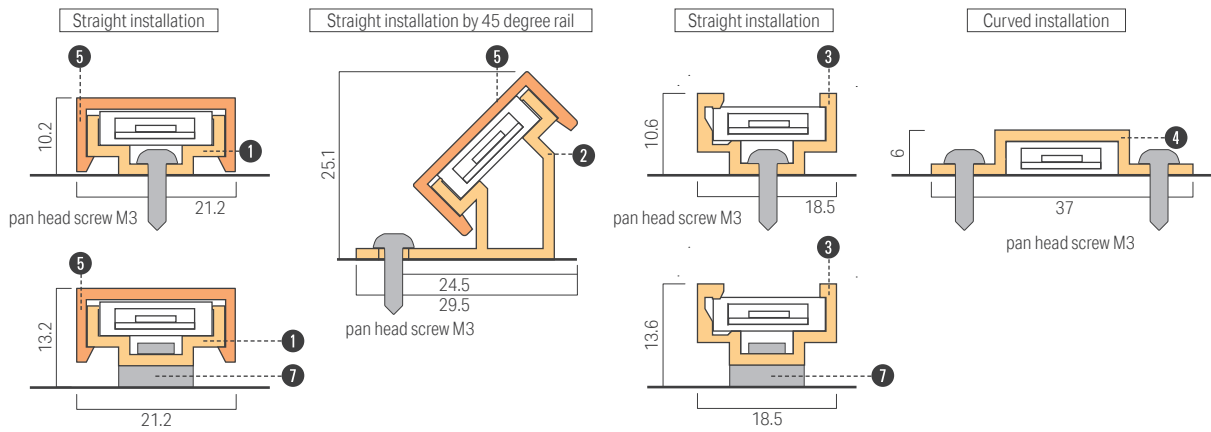


LFTHY7-T1000-NL27-CL-I-6
 Light source color 3500K equivalent
 N:100%, L27:100%
 Brightness 278 cd
 Luminous flux 888.3 lm
 Color rendering index Ra 95

Cross sectional view with accessories



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

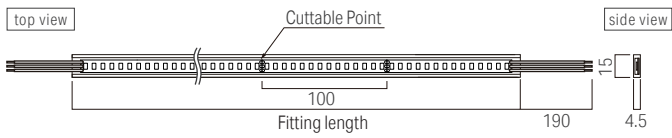
6 End cap for Power FLEX **Attachments**
 Model No : LFP-EC
 Attached with light fixture on request
 2 pcs / bag per light fixture
 For sealing the open end of light fixture after cutting. Sealing glue is required to supply by installer. Acrylic glue is recommended.
 For extra order, 2 pcs / bag

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.

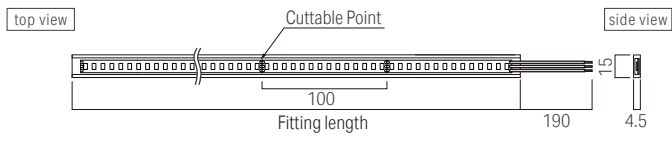


External dimension

Both ends lead wire



One end lead wire

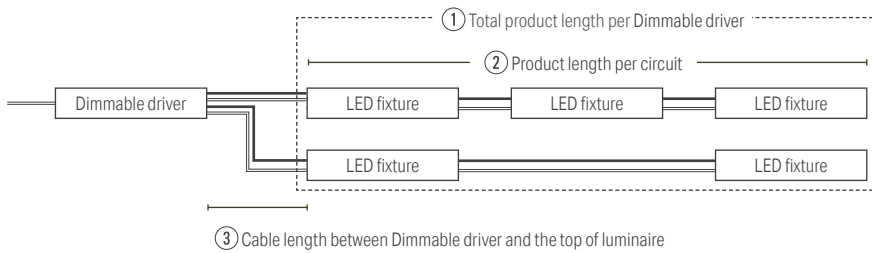


Custom order length

Length	Fitting length(mm)	Length	Fitting length(mm)	Length	Fitting length(mm)
0100	111	2100	2111	4100	4111
0200	211	2200	2211	4200	4211
0300	311	2300	2311	4300	4311
0400	411	2400	2411	4400	4411
0500	511	2500	2511	4500	4511
0600	611	2600	2611	4600	4611
0700	711	2700	2711	4700	4711
0800	811	2800	2811	4800	4811
0900	911	2900	2911	4900	4911
1000	1011	3000	3011	5000	5011
1100	1111	3100	3111		
1200	1211	3200	3211		
1300	1311	3300	3311		
1400	1411	3400	3411		
1500	1511	3500	3511		
1600	1611	3600	3611		
1700	1711	3700	3711		
1800	1811	3800	3811		
1900	1911	3900	3911		
2000	2011	4000	4011		



System configuration diagram



- ① Total product length per Dimmable driver depends on capacity of the Dimmable driver. 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 Dimmable driver and the top of luminaire referring to the following table. If longer cable distances are required, use thicker wires or reduce the loading of the LED fixtures in the circuit.

Dimmer

Model No.	Size (mm) (L × W × H)
DIM-S2L8V-0	167 × 51 × 23

Dimmable PSU

Model No.	Size (mm) (L × W × H)
PWM-200-24	195 × 68 × 39.5
PWM-120-24	191 × 63 × 37.5
PWM-90-24	171 × 63 × 37.5
PWM-60-24	150 × 53 × 35
PWM-40-24	150 × 53 × 35

Dimmer & Dimmable PSU			DIM-S2L8V-0 (8A x 2ch. MAX)	DIM-S8L8V-0 (8A x 2ch. MAX)	PWM-200-24	PWM-120-24	PWM-90-24	PWM-60-24	PWM-40-24
			connectable up to 5A, when using 200W DC24V PSU as 60% load factor	connectable up to 3A, when using 150W DC24V PSU as 60% load factor	connect up to 140W as 70% load	connect up to 84W as 70% load	connect up to 63W as 70% load	connect up to 42W as 70% load	connect up to 28W as 70% load
Model No.	Wattage (W/m)	Max. length per circuit (m)	① Connectable length per Dimmer & Dimmable PSU (m)						
			* Split into multiple circuit						
LFTHY-T**.*-I-2	2.1	5	57.1*	42.8*	66.6*	40*	30*	20*	13.3*
LFTHY-T**.*-I-4	4.2	5	28.5*	21.4*	33.3*	20*	15*	10*	6.6*
LFTHY-T**.*-I-6	6.4	5	18.7*	14*	21.8*	13.1*	9.8*	6.5*	4.3
LFTHY-T**.*-I-10	10.8	5	11.1*	8.3*	12.9*	7.7*	5.8*	3.8*	2.5
LFTHY-T**.*-I-15	15.9	5	7.5*	5.6*	8.8*	5.2*	3.9	2.6	1.7

Model No.	Wattage (W/m)	Cross section		Wiregauge	
		0.3sq	0.5sq	AWG22	AWG20
		② Max. length per circuit (m)		③ Max. cable length between PSU and the top of luminaire at ② Max. length per circuit (m)	
LFTHY-T**.*-I-2	2.1	5	10.4	16.6	26
LFTHY-T**.*-I-4	4.2	5	5.2	8.3	13
LFTHY-T**.*-I-6	6.4	5	3.4	5.5	8.7
LFTHY-T**.*-I-10	10.8	5	2.6	4.2	6.5
LFTHY-T**.*-I-15	15.9	5	2	3.3	5.2



Luci SHIN FLEX THOF

Illuminance data

		2.1W/m	4.2W/m	6.4W/m	10.8W/m	15.9W/m
DN	D 100% / N 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / N 100%	166.9	315.3	469.3	795.8	1120.0
	D 100% / N 100%	335.3	633.4	942.8	1598.6	2250.0
DW	D 100% / W 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / W 100%	163.9	309.7	460.9	781.6	1100.0
	D 100% / W 100%	332.3	627.7	934.4	1584.4	2230.0
DWW	D 100% / WW 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / WW 100%	162.4	306.8	456.7	774.4	1090.0
	D 100% / WW 100%	330.8	624.9	930.2	1577.3	2220.0
DL30	D 100% / L30 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / L30 100%	157.9	298.4	444.1	753.1	1060.0
	D 100% / L30 100%	326.3	616.5	917.6	1556.0	2190.0
DL27	D 100% / L27 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / L27 100%	149.0	281.5	419.0	710.5	1000.0
	D 100% / L27 100%	317.4	599.6	892.5	1513.4	2130.0
DL25	D 100% / L25 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / L25 100%	110.3	208.3	310.1	525.8	740.0
	D 100% / L25 100%	278.6	526.4	783.5	1328.6	1870.0
DL22	D 100% / L22 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / L22 100%	102.8	194.2	289.1	490.2	690.0
	D 100% / L22 100%	271.2	512.3	762.6	1293.1	1820.0
DL20	D 100% / L20 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / L20 100%	93.9	177.3	264.0	447.6	630.0
	D 100% / L20 100%	262.2	495.4	737.4	1250.5	1760.0
NW	N 100% / W 0%	166.9	315.3	469.3	795.8	1120.0
	N 0% / W 100%	168.4	318.1	473.5	781.6	1130.0
	N 100% / W 100%	335.3	633.4	942.8	1577.3	2250.0
NWW	N 100% / WW 0%	166.9	315.3	469.3	795.8	1120.0
	N 0% / WW 100%	162.4	306.8	456.7	774.4	1090.0
	N 100% / WW 100%	329.3	622.1	926.0	1570.2	2210.0
NL30	N 100% / L30 0%	166.9	315.3	469.3	795.8	1120.0
	N 0% / L30 100%	157.9	298.4	444.1	753.1	1060.0
	N 100% / L30 100%	324.8	613.7	913.4	1548.9	2180.0
NL27	N 100% / L27 0%	166.9	315.3	469.3	795.8	1120.0
	N 0% / L27 100%	149.0	281.5	419.0	710.5	1000.0
	N 100% / L27 100%	315.9	596.8	888.3	1506.3	2120.0
NL25	N 100% / L25 0%	166.9	315.3	469.3	795.8	1120.0
	N 0% / L25 100%	110.3	208.3	310.1	525.8	740.0
	N 100% / L25 100%	277.1	523.6	779.3	1321.5	1860.0
NL22	N 100% / L22 0%	166.9	315.3	469.3	795.8	1120.0
	N 0% / L22 100%	102.8	194.2	289.1	490.2	690.0
	N 100% / L22 100%	269.7	509.5	758.4	1286.0	1810.0
NL20	N 100% / L20 0%	166.9	315.3	469.3	795.8	1120.0
	N 0% / L20 100%	93.9	177.3	264.0	447.6	630.0
	N 100% / L20 100%	260.8	492.6	733.3	1243.4	1750.0
WWW	W 100% / WW 0%	168.4	318.1	473.5	781.6	1130.0
	W 0% / WW 100%	162.4	306.8	456.7	774.4	1090.0
	W 100% / WW 100%	330.8	624.9	930.2	1556.0	2220.0
WL30	W 100% / L30 0%	168.4	318.1	473.5	781.6	1130.0
	W 0% / L30 100%	157.9	298.4	444.1	753.1	1060.0
	W 100% / L30 100%	326.3	616.5	917.6	1534.7	2190.0
WL27	W 100% / L27 0%	168.4	318.1	473.5	781.6	1130.0
	W 0% / L27 100%	149.0	281.5	419.0	710.5	1000.0
	W 100% / L27 100%	317.4	599.6	892.5	1492.1	2130.0
WL25	W 100% / L25 0%	168.4	318.1	473.5	781.6	1130.0
	W 0% / L25 100%	110.3	208.3	310.1	525.8	740.0
	W 100% / L25 100%	278.6	526.4	783.5	1307.3	1870.0
WL22	W 100% / L22 0%	168.4	318.1	473.5	781.6	1130.0
	W 0% / L22 100%	102.8	194.2	289.1	490.2	690.0
	W 100% / L22 100%	271.2	512.3	762.6	1271.8	1820.0
WL20	W 100% / L20 0%	168.4	318.1	473.5	781.6	1130.0
	W 0% / L20 100%	93.9	177.3	264.0	447.6	630.0
	W 100% / L20 100%	262.2	495.4	737.4	1229.2	1760.0
WWL30	WW 100% / L30 0%	162.4	306.8	456.7	774.4	1090.0
	WW 0% / L30 100%	157.9	298.4	444.1	753.1	1060.0
	WW 100% / L30 100%	320.4	605.2	900.9	1527.6	2150.0
WWL27	WW 100% / L27 0%	162.4	306.8	456.7	774.4	1090.0
	WW 0% / L27 100%	149.0	281.5	419.0	710.5	1000.0
	WW 100% / L27 100%	311.4	588.3	875.7	1484.9	2090.0
WWL25	WW 100% / L25 0%	162.4	306.8	456.7	774.4	1090.0
	WW 0% / L25 100%	110.3	208.3	310.1	525.8	740.0
	WW 100% / L25 100%	272.7	515.1	766.8	1300.2	1830.0
WWL22	WW 100% / L22 0%	162.4	306.8	456.7	774.4	1090.0
	WW 0% / L22 100%	102.8	194.2	289.1	490.2	690.0
	WW 100% / L22 100%	265.2	501.1	745.8	1264.7	1780.0
WWL20	WW 100% / L20 0%	162.4	306.8	456.7	774.4	1090.0
	WW 0% / L20 100%	93.9	177.3	264.0	447.6	630.0
	WW 100% / L20 100%	256.3	484.2	720.7	1222.1	1720.0

		2.1W/m	4.2W/m	6.4W/m	10.8W/m	15.9W/m
L30L27	L30 100% / L27 0%	157.9	298.4	444.1	753.1	1060.0
	L30 0% / L27 100%	149.0	281.5	419.0	710.5	1000.0
	L30 100% / L27 100%	306.9	579.9	863.1	1463.6	2060.0
L30L25	L30 100% / L25 0%	157.9	298.4	444.1	753.1	1060.0
	L30 0% / L25 100%	110.3	208.3	310.1	525.8	740.0
	L30 100% / L25 100%	268.2	506.7	754.2	1278.9	1800.0
L30L22	L30 100% / L22 0%	157.9	298.4	444.1	753.1	1060.0
	L30 0% / L22 100%	102.8	194.2	289.1	490.2	690.0
	L30 100% / L22 100%	260.8	492.6	733.3	1243.4	1750.0
L30L20	L30 100% / L20 0%	157.9	298.4	444.1	753.1	1060.0
	L30 0% / L20 100%	93.9	177.3	264.0	447.6	630.0
	L30 100% / L20 100%	251.8	475.7	708.1	1200.7	1690.0
L27L25	L27 100% / L25 0%	149.0	281.5	419.0	710.5	1000.0
	L27 0% / L25 100%	110.3	208.3	310.1	525.8	740.0
	L27 100% / L25 100%	259.3	489.8	729.1	1236.3	1740.0
L27L22	L27 100% / L22 0%	149.0	281.5	419.0	710.5	1000.0
	L27 0% / L22 100%	102.8	194.2	289.1	490.2	690.0
	L27 100% / L22 100%	251.8	475.7	708.1	1200.7	1690.0
L27L20	L27 100% / L20 0%	149.0	281.5	419.0	710.5	1000.0
	L27 0% / L20 100%	93.9	177.3	264.0	447.6	630.0
	L27 100% / L20 100%	242.9	458.8	683.0	1158.1	1630.0
L25L22	L25 100% / L22 0%	110.3	208.3	310.1	525.8	740.0
	L25 0% / L22 100%	102.8	194.2	289.1	490.2	690.0
	L25 100% / L22 100%	213.1	402.5	599.2	1016.0	1430.0
L25L20	L25 100% / L20 0%	110.3	208.3	310.1	525.8	740.0
	L25 0% / L20 100%	93.9	177.3	264.0	447.6	630.0
	L25 100% / L20 100%	204.1	385.7	574.0	973.4	1370.0
L22L20	L22 100% / L20 0%	102.8	194.2	289.1	490.2	690.0
	L22 0% / L20 100%	93.9	177.3	264.0	447.6	630.0
	L22 100% / L20 100%	196.7	371.6	553.1	937.9	1320.0
DL18	D 100% / L18 0%	168.4	318.1	473.5	802.9	1130.0
	D 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	D 100% / L18 100%	259.3	489.8	729.1	1236.3	1740.0
NL18	N 100% / L18 0%	166.9	315.3	469.3	795.8	1120.0
	N 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	N 100% / L18 100%	257.8	487.0	724.9	1229.2	1730.0
WL18	W 100% / L18 0%	163.9	309.7	460.9	781.6	1100.0
	W 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	W 100% / L18 100%	254.8	481.4	716.5	1215.0	1710.0
WWL18	WW 100% / L18 0%	162.4	306.8	456.7	774.4	1090.0
	WW 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	WW 100% / L18 100%	253.3	478.6	712.3	1207.9	1700.0
L30L18	L30 100% / L18 0%	157.9	298.4	444.1	753.1	1060.0
	L30 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	L30 100% / L18 100%	248.8	470.1	699.7	1186.5	1670.0
L27L18	L27 100% / L18 0%	149.0	281.5	419.0	710.5	1000.0
	L27 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	L27 100% / L18 100%	239.9	453.2	674.6	1143.9	1610.0
L25L18	L25 100% / L18 0%	110.3	208.3	310.1	525.8	740.0
	L25 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	L25 100% / L18 100%	201.2	380.0	565.7	959.2	1350.0
L22L18	L22 100% / L18 0%	102.8	194.2	289.1	490.2	690.0
	L22 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	L22 100% / L18 100%	193.7	366.0	544.7	923.7	1300.0
L20L18	L20 100% / L18 0%	93.9	177.3	264.0	447.6	630.0
	L20 0% / L18 100%	90.9	171.7	255.6	433.4	610.0
	L20 100% / L18 100%	184.8	349.1	519.6	881.0	1240.0

(lm/m)