

# Luci SHIN FLEX

# LFS



Color management  
MacAdam 3 step

CE

3 years warranty

- 2 types of LED pitch (7.1 or 17.8mm) for profile and cove lighting
- 5 types of wattage 2W/m to 15W/m in same LED package to match CCT
- High efficient LED package achieving up to 185 lm/W

Model No. Product name and model number be subject to change.

<b>LFS</b>	<b>T</b>									
Product Name / LED pitch	Length / Lead wire	Light source color					Tube type	Environment	Power	
LFS7 : 7.1 mm pitch	LFS7: every 50mm LFS18: every 125mm Up to 5m	D : Daylight white	N : Natural white	W : White	WW : Warm white 3500K	L30 : Warm white 3000K	CL : Clear	I : Indoor	LFS7	LFS18
LFS18 : 17.8 mm pitch	W : Both ends S : One ends	L27 : Warm white 2700K	L25 : Warm white 2500K	L22 : Warm white 2200K	L20 : Warm white 2000K	DF : Diffuser	O : IP65	2: 2.1W/m	2: 2.3W/m	
								4: 4.2W/m	4: 4.5W/m	
								6: 6.4W/m	6: 6.8W/m	
								10: 10.8W/m	10: 10.5W/m	
								15: 15.9W/m	12: 12.5W/m	

### Specification @ Clear tube

LED pitch	7.1mm pitch					17.8mm pitch					
Model No.	LFS7-T1000W-(CCT)-CL-I/O-(Power)					LFS18-T1000W-(CCT)-CL-I/O-(Power)					
Cutttable unit (mm)	50					125					
Power*(W/m)	15.9 W/m	10.8 W/m	6.4 W/m	4.2 W/m	2.1 W/m	12.5 W/m	10.5 W/m	6.8 W/m	4.5 W/m	2.3 W/m	
Efficacy (at 3000K)	145 lm/W	156 lm/W	164 lm/W	171 lm/W	181 lm/W	154 lm/W	141 lm/W	160 lm/W	167 lm/W	165 lm/W	
Luminous flux (lm/m)											
Code	Light source color										
D	6500K Ra 95	2100 lm	1530 lm	960 lm	660 lm	340 lm	1760 lm	1350 lm	990 lm	680 lm	350 lm
N	5000K Ra 92	2270 lm	1660 lm	1040 lm	710 lm	370 lm	1900 lm	1460 lm	1070 lm	740 lm	380 lm
W	4000K Ra 96	2140 lm	1560 lm	980 lm	670 lm	350 lm	1790 lm	1380 lm	1010 lm	700 lm	350 lm
WW	3500K Ra 96	2380 lm	1740 lm	1090 lm	750 lm	390 lm	2000 lm	1530 lm	1120 lm	770 lm	390 lm
L30	3000K Ra 94	2300 lm	1680 lm	1050 lm	720 lm	380 lm	1930 lm	1480 lm	1090 lm	750 lm	380 lm
L27	2700K Ra 93	1990 lm	1420 lm	830 lm	560 lm	290 lm	1560 lm	1200 lm	880 lm	610 lm	310 lm
L25	2500K Ra 93	1410 lm	1030 lm	640 lm	440 lm	230 lm	1190 lm	910 lm	670 lm	460 lm	230 lm
L22	2200K Ra 92	1320 lm	970 lm	600 lm	420 lm	220 lm	1110 lm	850 lm	620 lm	430 lm	220 lm
L20	2000K Ra 90	1090 lm	790 lm	490 lm	340 lm	180 lm	900 lm	690 lm	510 lm	350 lm	180 lm

Due to the production process, the electrical and photometric value shows statistical values only. \* The input power value has +10% to -25% tolerance. Specification may be subject to change without announcement.

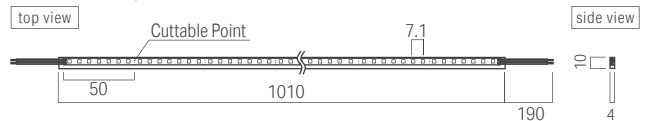
### General Specification

Input voltage	DC24V
LED beam angle	120°
Environment	Indoor: IP20 equivalent   Outdoor: IP65
Max. length per circuit	5m
Min. bending range	R50mm
Material (body)	Soft acrylic
Attachment	④ End cap 2pcs for Indoor
Option parts	① Mounting rail ② ③ Mounting clip ④ End cap ⑤ Magnet
Certification	CE, BIS
Dimmable	Yes (0-10V/1-10V, DMX, DALI, PWM)
Power Supplies	Required

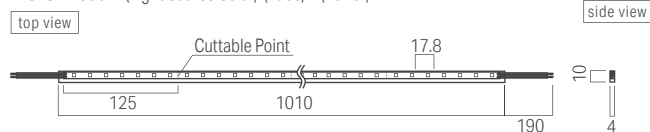
### External dimentions

#### Indoor

LFS7-T1000W-(Light Source Color)-(Tube)-I-(Power)



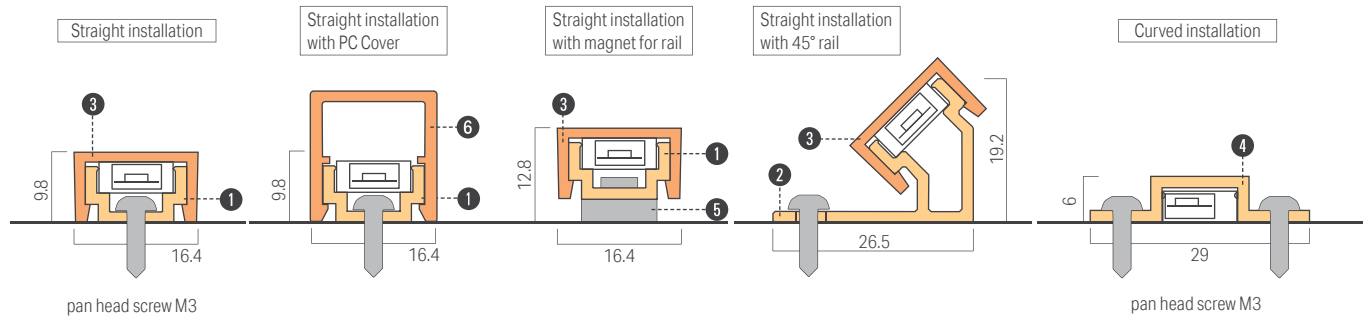
LFS18-T1000W-(Light Source Color)-(Tube)-I-(Power)



#### Outdoor: with IP65 connector

\*Luminaire and cable are not allowed to be cut. Please order luminaire in sizes to suit the site.

Cross sectional view when installing optional items Provisional and reference only



Option parts Provisional and reference only

**1** Mounting rail 1000 for SHIN FLEX  
 Model No : LFS-RL1000  
 Material : AES

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

**2** 45° Mounting rail 1000 for SHIN FLEX  
 Model No : LFS-45RL1000  
 Material : AES

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

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

**4** Mounting clip for SHIN FLEX  
 Model No : LFS-RC  
 10 pcs / bag  
 For curved installation

**5** End cap for SHIN FLEX (2pcs/bag)  
 Model No : LFS-EC  
 Attached with LED fixture on request  
 2 pcs / bag per LED fixture  
 For sealing the open end of LED fixture after cutting.  
 Sealing gule is required by installer.  
 Acrylic glue is recommended.  
 For extra order: 10 pcs/bag

**6** PC Cover for SHIN FLEX rail H18mm (under development)  
 Model No : LFS-CVH18  
 Length: 1050mm  
 Attach to mounting rail  
 LFS7: fully diffuse  
 LFS18: dark spots are visible

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

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

**8** Outdoor cable 3M TR connector for FLEX **Required**  
 Model No : CAD-3000-MEFE-O  
 1 pc per circuit for connecting the LED fixture to power supply or dimmer driver.

This provisional datasheet is for marketing purpose only.  
 Please contact our sales representative for further detail and schedule.  
 Date of issue: 16th May 2023