

LIGHT STRIP

LS-FRC-24V-5M-8MM-CCT

Feature

- Field cuttable per one LED to be any length for precise assembly.
- High efficacy up to 130 lm/W in CRI90 with energy efficiency class in E.
- Universal PCB width for perfect installation with aluminium profile.
- High density of LED array for dot-free linear lighting performance.



Applications

- Indirect lighting for showcase, shelf, cabinet
- Billboard, signage, hotel, garden, bridge
- Corridor, ceiling, stair, cove, theatre, lift



Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness @ 4000K	CRI	Increment	Max Run	IP Rating	Beam Angle
LS-FRC-24V-5M-8MM-CCT	5000*8*1.5mm	CCT	SMD	24Vdc	18 W/M	2340lm/m	Ra≥90	11.1 mm	5m	IP20	120°
LS-FRC-24V-5M-8MM-CCT IP54	5000*8*2mm	CCT	SMD	24Vdc	18 W/M	2106lm/m	Ra≥90	11.1 mm	5m	IP54	120°
LS-FRC-24V-5M-8MM-CCT IP65	5000*8*4mm	CCT	SMD	24Vdc	18 W/M	2223lm/m	Ra≥90	11.1 mm	5m	IP65	120°
LS-FRC-24V-5M-8MM-CCT IP67	5000*8*4mm	CCT	SMD	24Vdc	18 W/M	2106lm/m	Ra≥90	11.1 mm	5m	IP67	120°
LS-FRC-24V-5M-8MM-CCT IP68	5000*8*4mm	CCT	SMD	24Vdc	18 W/M	2106lm/m	Ra≥90	11.1 mm	5m	IP68	120°



Parameter

General Parameters		Photoelectric Parameters	
Standard Length	5M [16.4ft] (power fed on one side)	Power±10%	18W/M [5.5W/ft.]
Increment & LED QTY	11.1mm[0.44in.] & 2 LED (The minimum length for use is 11.1mm[0.44in.] with 2 LEDs)	Input Voltage	24VDC
LED Type	SMD2835 white	LED Current	4mA/LED
LED QTY	180LED/M [55LED/ft.]	LED CCT & Wavelength	2700~6500K CCT-Tunable
PCB Type	3oz white FPC, OSP	SDCM	ErP & ANSI Norm, 3 step in one bin
Operating Ambient	T _a (working): -20~45°C[-4~113°F] & T _{stg} (storage): -20~60°C[-4~140°F]	CRI	R _a ≥90
Warranty	5 years	Beam Angle	120°
Lifespan	L70≥50,000h@T _c ≤65°C [149°F] (T _c is temperature of LED pin)	Dimming Method	PWM (dimmable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WiFi etc.)
Certification	CE, UL, CB, SAA, RoHS, LM80		

Note:

1. The lumen flux value above is based on 1M(3.28ft.) long, it need to be measured and considered separately for other longer lengths.
2. Energy efficiency class of regulation (EU) 2019/2020 is E (CRI90) for 4000K in IP20, it varies depending on CRI, CCT and IP rating.
3. Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K/6500K is 5% lower, for CCT 5000K is 3% lower, compared with 4000K.
4. Transmittance for IP54/IP67/IP68, 2700K/3000K/3500K/4000K is 90%, 5000K/6500K is 80%; for IP65/IP54 Plus/IP67 Plus is 95%.
5. Dimension, CCT and lumen flux etc. of waterproof type will be different, compared with IP20 type.
6. Applying with extra heat sink is proposed.
7. 3M 300LSE yellow adhesive tape attached on backside, is standard configuration.
8. One end of 200mm(7.87in.) red/white silicon cable or waterproof connector kit according to specific IP rating, is standard configuration of Plus Series.
9. Transparent reel and silvery ESD bag, are standard configuration.
10. Installation accessories such as clip, screw, plug etc. are all optional base on specific demand.
11. Power maintenance rate=actual measured power in a certain length/ (a same certain length*actual measured power in 1M(3.28ft.) length); Brightness maintenance rate=actual measured brightness on the tail section in a certain length/actual measured brightness on the first section in a same certain length. (Generally, there are few cases of full power operation for mixed colour like RGB/RGBW/RGBCCT/RGBWCCT)

Document Revision

Revision	Description	Date	Author	Approver
1.0	Initial release	07 January 2026	Jesse Jankelowitz	Michael Xu