

# F1-M+RC1

## Infrared remote LED Dimmer

- Infrared remote control 1 channels constant voltage single color LED dimmer.
- DC power socket input.
- 5A output, output connects with 5 meters single color LED strip.
- Adjust the brightness by IR remote or SET key.
- 4096 levels dimming smoothly without any flash.
- Logarithmic dimming curve.

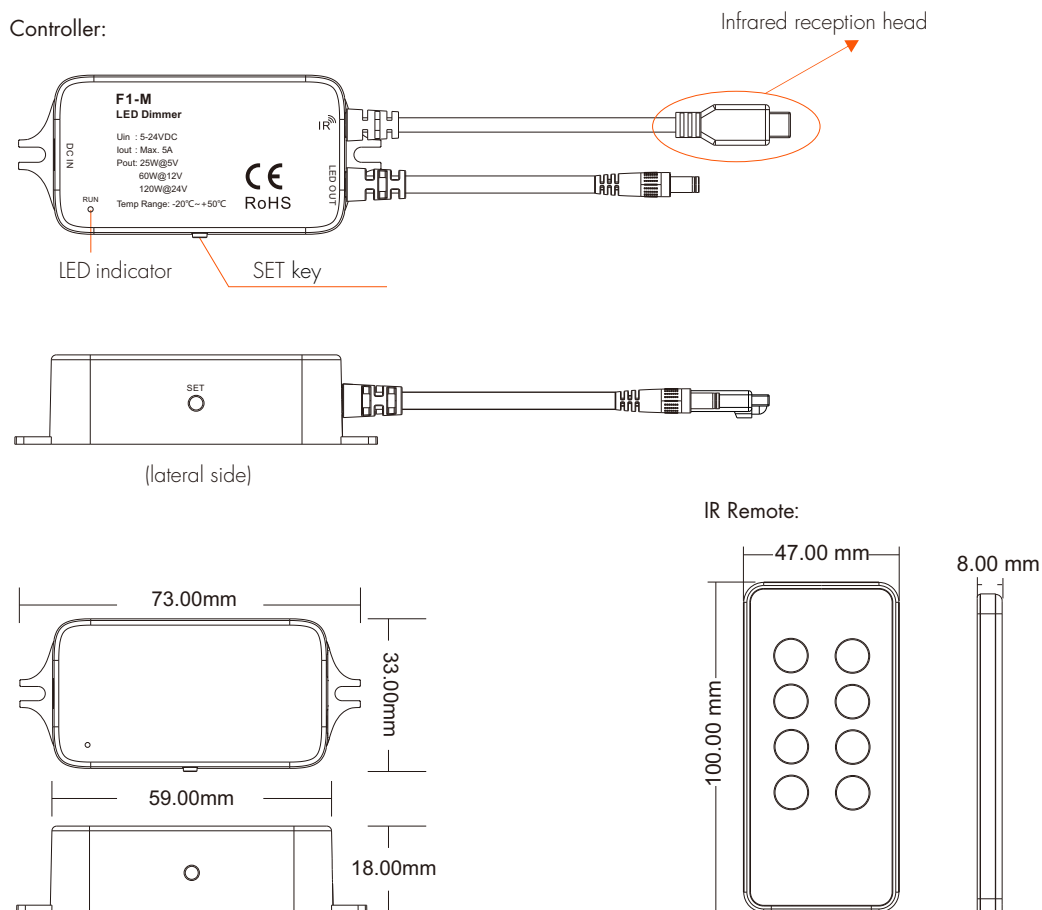


CE RoHS 

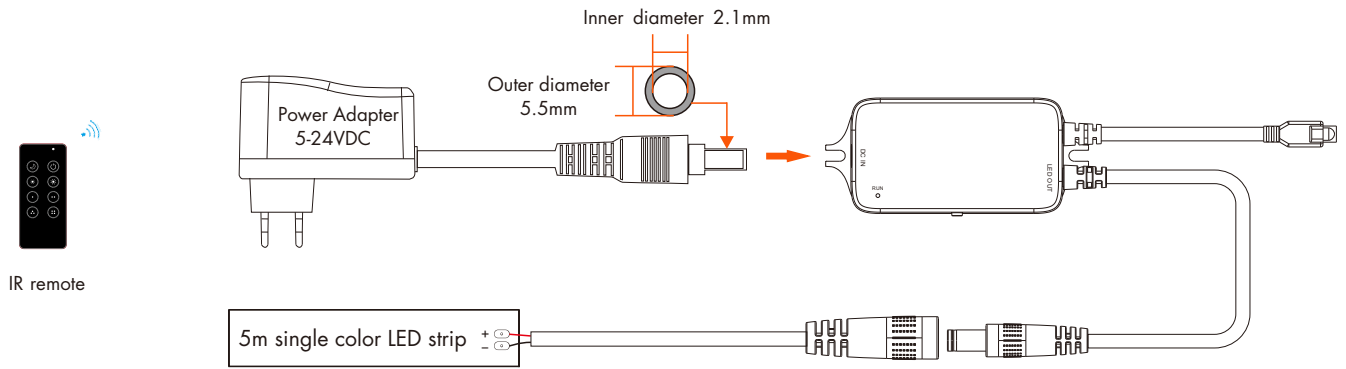
### Technical Parameters

Input and Output	Dimming data	Safety and EMC
Input voltage	5-24VDC	EMC standard (EMC)
Output voltage	5-24VDC	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Output current	Max. 5A	Safety standard
Output power	25W@5V 60W@12V 120W@24V	EN 61348-1:2015+A1:2021 EN 61348-2-13:2014+A1:2017
Environment	PWM Frequency	Certification
Operation temperature	2000Hz (default)	CE, EMC
Case temperature (Max.)	Warranty	Package
Ta: -20°C ~ +50°C	5 years	Size
Tc: +85°C	Protection	Gross weight
	Over heat	L110x W57x H32mm
		0.090kg

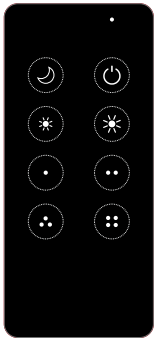
### Mechanical Structures and Installations








## Wiring Diagram



## Key Function of IR Remote



-  : Short press turn on/off the light.
-  : Night light function, 10% brightness with short press.
-  : Increase brightness, Short press 10 levels, long press 1-6s for continuous 256 levels adjustment.
-  : Decrease brightness, Short press 10 levels, long press 1-6s for continuous 256 levels adjustment.
-  Short press to select each of the four brightness levels: 25%, 50%, 75%, 100%.

### Notes:

1. IR remote control does not need to be paired and can be controlled directly.
2. When the remote control is far away, using infrared remote control, you need to align with the infrared sensor head.

## SET Key Function of Dimmer

Short press: sequentially switch 5 levels of light brightness (10%, 25%, 50%, 75%, 100%).

Long press (1-6s): Step-less dimming, with every other long press, the light level goes to the opposite direction, dimming range 10%-100%.

## Dimming Curve

