Specification of EIR Series

SurMountor

Functions

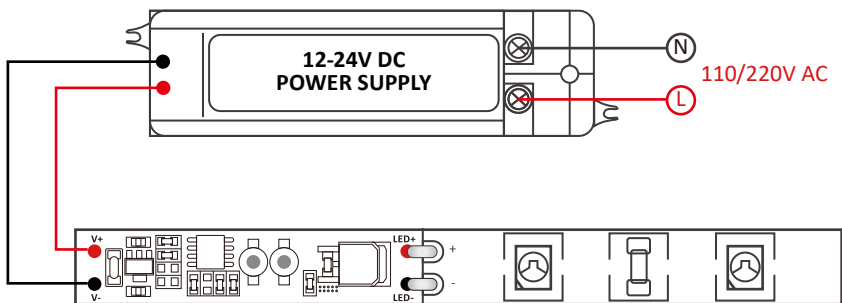| Model	EIR001D
Operation	Automatically switch ON/OFF when the hand pass over, dimming and memory function.
Input Voltage	12V–24V DC
Output Voltage	12V–24V DC
Input Current	8A
Detection Range	0.5cm≤Length≤10cm
Load Around	96W for 12V, and 192W for 24V

50 mm

10 mm

Connection Diagram
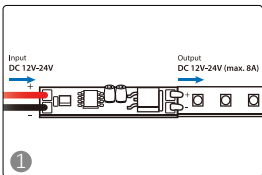

12-24V DC POWER SUPPLY

N

110/220V AC

L

V+

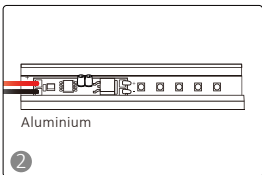LED+

V-

LED-

Operations

- LED strip is originally "off" and the led indicate light on the sensor PCB is "on" when the power is connected on. The light will be on when hand passing over the IR sensor switch within 10cm detection range, and will be off when hand passing over again.
- Hold the hand over the IR sensor more than 3s, to adjust the Led brightness dimming from 1% to 100%.
- The IR sensor will memorize the status of the Led brightness in 12V–24VDC.
- The IR sensor switch will turn on or off the led light with above repeatable steps.
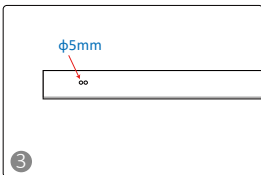
Installation Steps

Input DC 12V-24V   Output DC 12V-24V (max. 8A)

❶

Connect wires to the input end and connect LED strip to the output end
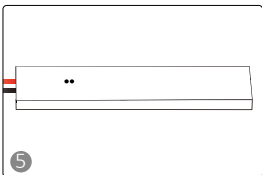
Aluminium
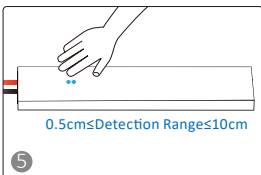
❷

Install the sensor into the aluminum with double sided adhesive tape

φ5mm

❸

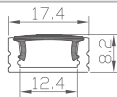Drill 2 holes with a diameter of 5mm in PC cover.

❺

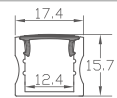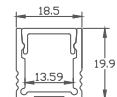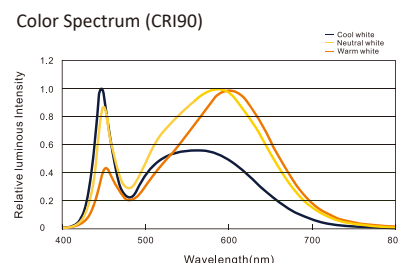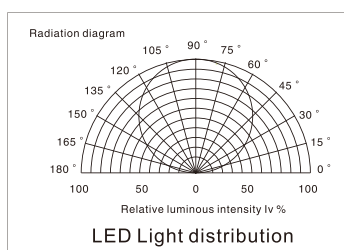Click the PC cover to the aluminium

0.5cm≤Detection Range≤10cm

❺

Working Status

Recommened Profiles/Optional

Model	Color	Size(mm)	Length	Drawing	Photo	Installation
A1707	White	17.4*82	1–3m			Surface mounting
A1715	Black	17.4*15.7	1–3m			Surface mounting
A1920	Aluminum	19.9*18.5	1–3m			Surface mounting

Recommened Strips/Optional

General description

- Available in 12/24V DC maximum
- CRI80 & CRI90 LED Strip are available
- Working temperature: -20°C to +50°C
- Very bright & low power consumption
- Long life span LED lights, more than 50,000 hours
- Adhesive back, peel & stick
- IP20, IP65, IP67 are available

Radiation diagram

LED Light distribution

Relative luminous intensity Iv %

Color Spectrum (CRI90)

Relative luminous Intensity

Wavelength(nm)

Cool white / Neutral white / Warm white

Electronic & Output Data
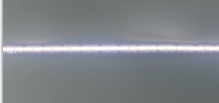
SMD2835, 60 LEDS/m

Size (mm)	Color	CRI	Photo	LED Qty/m	Lumen/m	Voltage (V)	Power (W/m)	Packing (m/reel)
L5000*W8*H1.5	WW ☐ NW ☐ CW ☐	90+		60	1000 1100 1200	12/24V	14.4	5

SMD2835, 120 LEDS/m

Size (mm)	Color	CRI	Photo	LED Qty/m	Lumen/m	Voltage (V)	Power (W/m)	Packing (m/reel)
L5000*W10*H1.5	WW ☐ NW ☐ CW ☐	90+		120	1300 1400 1500	12/24V	14.4	5

SMD2110, 280 LEDS/m

Size (mm)	Color	CRI	Photo	LED Qty/m	Lumen/m	Voltage (V)	Power (W/m)	Packing (m/reel)
L5000*W10*H1.5	WW ☐ NW ☐ CW ☐	90+		280	1420 1460 1510	24V	19.2	5

ShenZhen Surmountor Lighting Co., LTD

TEL: +86-0755-27926119/27926326   E-mail: sales@surmountor.com   ADD:4/F, No.2 Factory Building, Dayang, No.4 Tangwei Industrial Avenue, FuHai Street, Bao'an, Shenzhen, China

02