## Functions



Input    Output

φ11mm
18mm

| Model | IR008B-H |
|---|---|
| Operation | Automatically switch on/off when hand pass over |
| Input Voltage | 12V-–24V DC |
| Output Voltage | 12V–24V DC |
| Input Current | 4A |
| Detection Range | 0.5cm≤Length≤10cm |
| Load Around | 48W for 12V, and 96W for 24V |
| Detector cable length | 1m (Length can be customized) |
| Input/output cable length | 25cm (Length can be customized) |

## Connection Diagram



12-24V DC POWER SUPPLY

N
L
110/220V AC
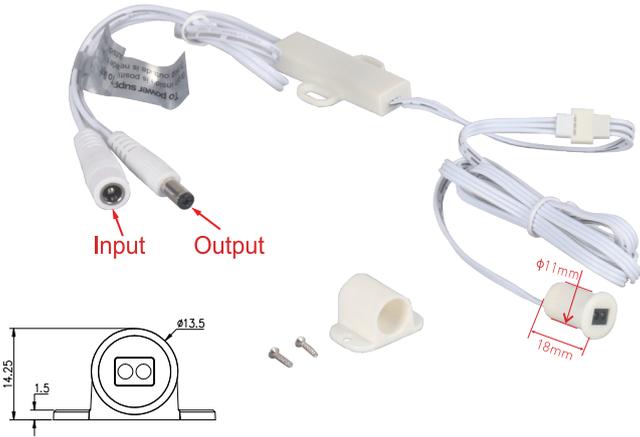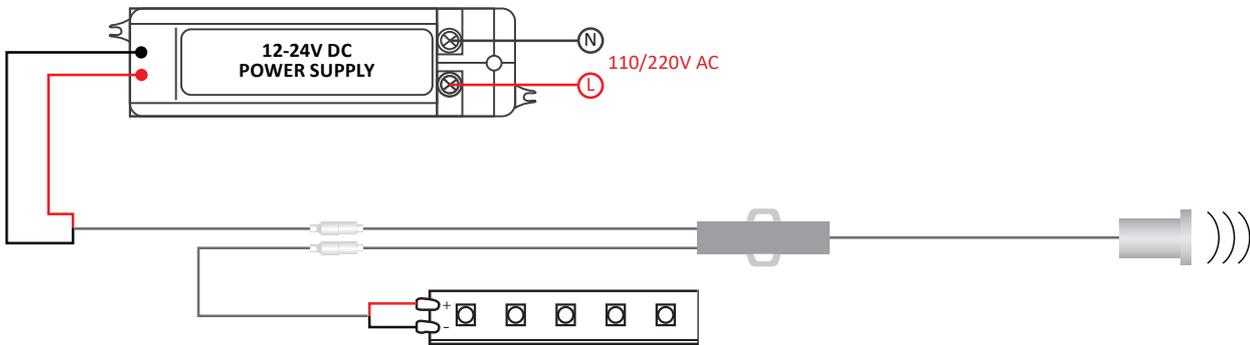
## Operations

• The LED lamp connects to the output end.

• The IR sensor switch will turn on the LED light when the hand pass over the detector within 10cm in distance and will turn off the LED light when the hand pass over the detector again.

• The sensor switch will turn on or off the LED light with above repeatable steps.
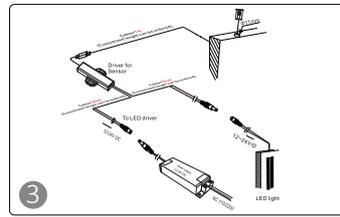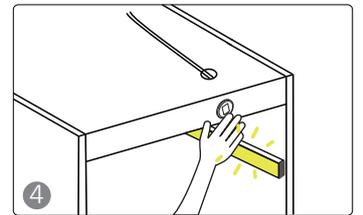
## Installation Steps

### 1. Recessed Mounted
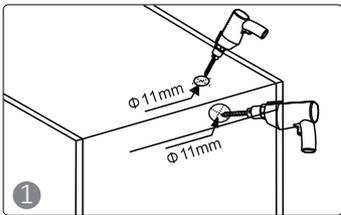


❶ Drill a 11mm hole on the cabinet.
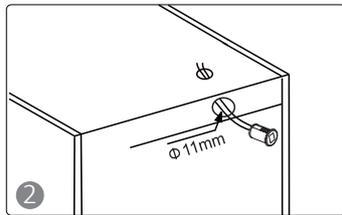
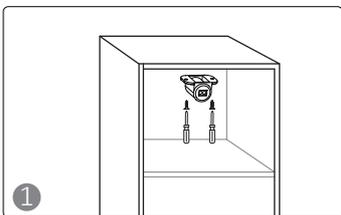❷ Thread the cable through the drilled hole to secure the sensor to the cabinet.

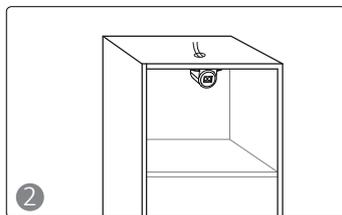❸ Connect the sensor and power supply as correct way.

❹ Hand passes within 10 cm: light on; pass again: light off.
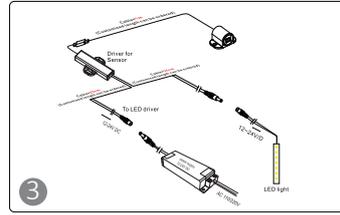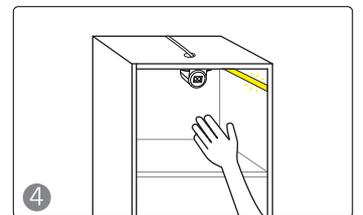
### 2. Surface mounted



❶ Fix the sensor in place using screws and a screwdriver
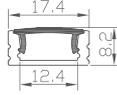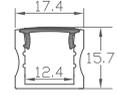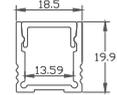
❷ Organize the cables neatly

❸ Connect the sensor and power supply as correct way.

❹ Hand passes within 10 cm: light on; pass again: light off.

# Recommened Profiles/Optional

| Model | Color | Size(mm) | Length | Drawing | Photo | Installation |
|-------|-------|----------|--------|---------|-------|--------------|
| A1707 | White | 17.4*82 | 1–3m | 17.4 / 8.2 / 12.4 | | Surface mounting |
| A1715 | Black | 17.4*15.7 | 1–3m | 17.4 / 12.4 / 15.7 | | Surface mounting |
| A1920 | Aluminum | 19.9*18.5 | 1–3m | 18.5 / 13.59 / 19.9 | | 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**
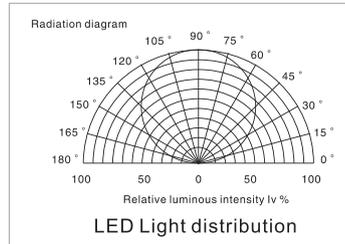
Color Spectrum (CRI90)
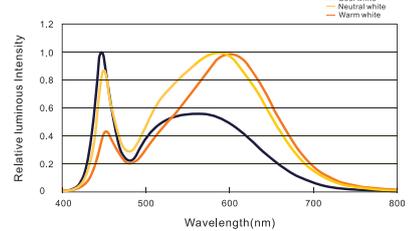
## Electronic & Output Data

### 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 |