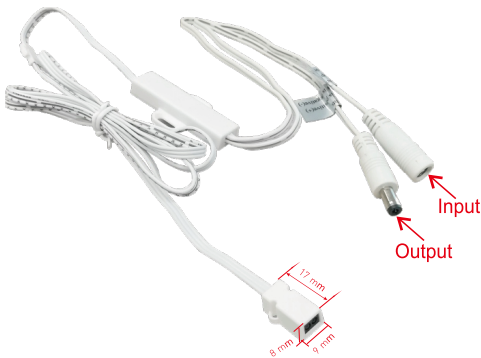
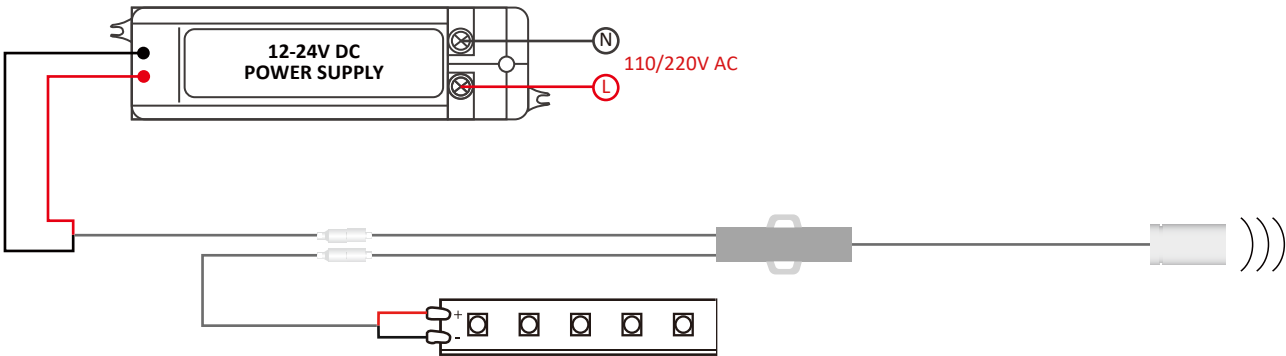




Functions

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Model                     | IR009B-H                                            |
| Operation                 | Automatically switch on/off when the 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)                     |

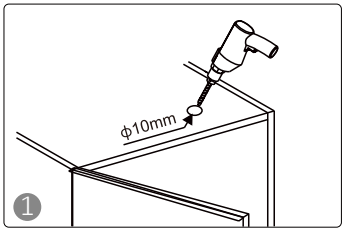
Connection Diagram



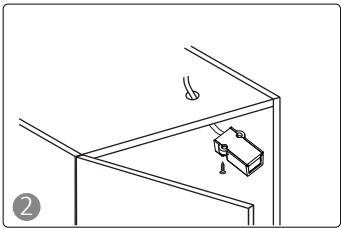
Operations

- 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.

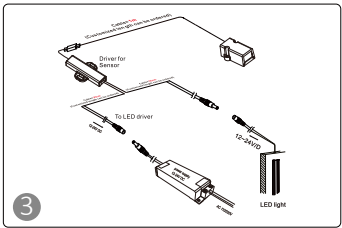
Installation Steps



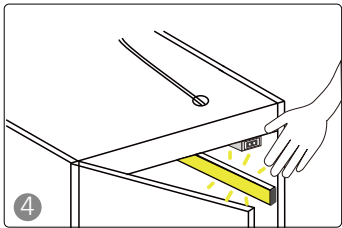
Drill a 10mm hole on the cabinet.



Thread the cable through the drilled hole to secure the sensor to the cabinet.

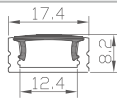
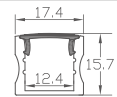
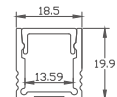


Connect the sensor and power supply as correct way.



Light on when hand pass over the sensor detector within 10cm.

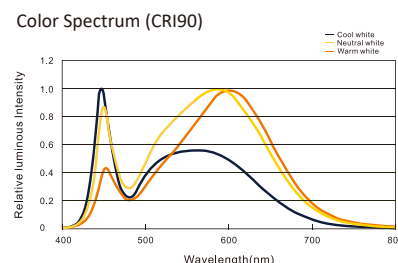
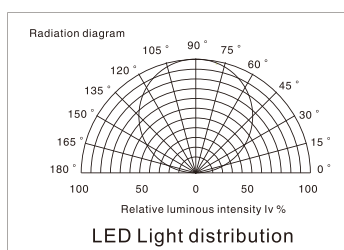
## Recommended Profiles/Optional

| 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 |

## Recommended 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



### Electronic & Output Data

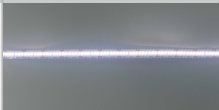
#### SMD2835, 60 LEDs/m

| Size (mm)     | Color                                                                                                                                                                                                                                                                      | CRI | Photo                                                                               | LED Qty/m | Lumen/m              | Voltage (V) | Power (W/m) | Packing (m/reel) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----------|----------------------|-------------|-------------|------------------|
| L5000*W8*H1.5 | WW <br>NW <br>CW  | 90+ |  | 60        | 1000<br>1100<br>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 <br>NW <br>CW  | 90+ |  | 120       | 1300<br>1400<br>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 <br>NW <br>CW  | 90+ |  | 280       | 1420<br>1460<br>1510 | 24V         | 19.2        | 5                |