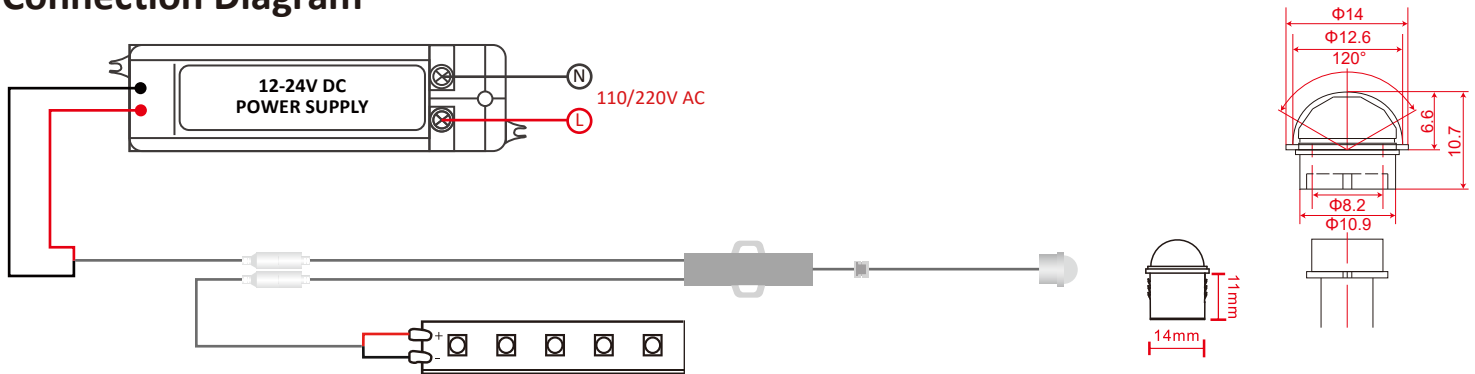


## Functions

|                              |                              |
|------------------------------|------------------------------|
| Model                        | PIR006B                      |
| Operation                    | Automatically ON/OFF         |
| Input Voltage                | 12V–24V DC                   |
| Output Voltage               | 12V–24V DC                   |
| Input Current                | 4A                           |
| Detection Range              | ≤2m                          |
| Load around                  | 48W for 12V, and 96W for 24V |
| Sensor detector cable length | 1m (length can be ordered)   |
| Input/output cable length    | 25cm (length can be ordered) |

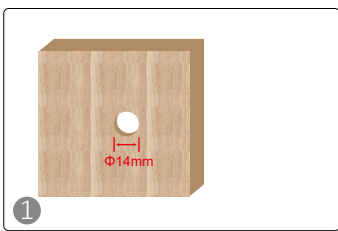
## Connection Diagram



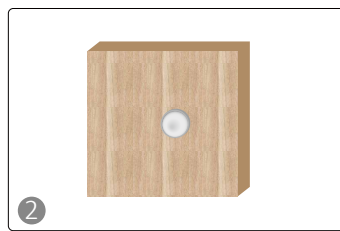
## Operations

- PIR sensor switch PIR006B is connected to lighting fixtures, so the led lighting fixture can be turn on automatically when any part of human body is approaching within 2 meters from the sensor.
- The lighting fixture equipped with this PIR sensor will stay on if the human body stays within 2 meters from the sensor.
- It will turn off the led light in 40 seconds after human body moves away more than 2 meters.

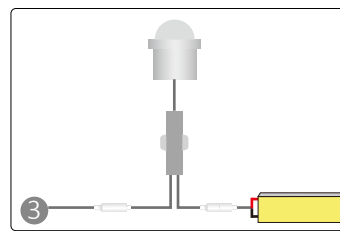
## Installation Steps



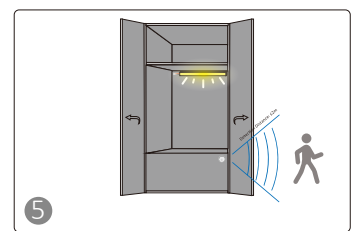
1 Drill a hole of Φ14mm in wooden plate.



2 Insert the sensor into the hole in the wooden plate.



3 Connect power and LED lights.



5 The lighting fixture can automatically turn on when any part of human body is approaching within 2 meters from the sensor.

**Note: The function/program can be customized, made upon different needs, such as longer time for stay on, etc.**

## Notices

- Avoid being exposed to sunlight, auto bulb and incandescent lamp, neither to heat source (such as radiator and heater), or air conditioner, in case of faulty detection caused by ambient temperature change.
- Sensor switches must be firmly installed, in case of faulty detection from wind shaking.
- Don't touch the surface of detector.
- Regularly clean the optical lens surface with wet soft cloth or cotton, in case of dust influence the sensitivity.

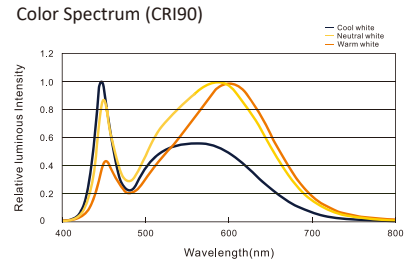
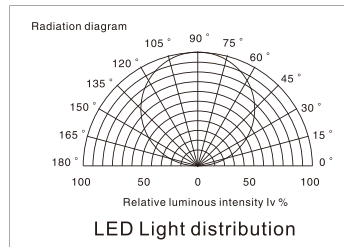
## Recommended Profiles/Optional

| Model | Color    | Size (mm) | Length | Drawing | Photo | Installation     |
|-------|----------|-----------|--------|---------|-------|------------------|
| A1616 | Aluminum | 16*16     | 1-3m   |         |       | Corner mounting  |
| A1715 | White    | 17.4*15.7 | 1-3m   |         |       | Surface mounting |
| C1919 | Black    | 18.5*18.5 | 1-3m   |         |       | Corner 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 <input type="checkbox"/> | 90+ |       | 60        | 1000    | 12/24V      | 14.4        | 5                |
|               | NW <input type="checkbox"/> |     |       |           | 1100    |             |             |                  |
|               | CW <input type="checkbox"/> |     |       |           | 1200    |             |             |                  |

#### 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 <input type="checkbox"/> | 90+ |       | 120       | 1300    | 12/24V      | 14.4        | 5                |
|                | NW <input type="checkbox"/> |     |       |           | 1400    |             |             |                  |
|                | CW <input type="checkbox"/> |     |       |           | 1500    |             |             |                  |

#### 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 <input type="checkbox"/> | 90+ |       | 280       | 1420    | 24V         | 19.2        | 5                |
|                | NW <input type="checkbox"/> |     |       |           | 1460    |             |             |                  |
|                | CW <input type="checkbox"/> |     |       |           | 1510    |             |             |                  |