

SINCELIGHT®

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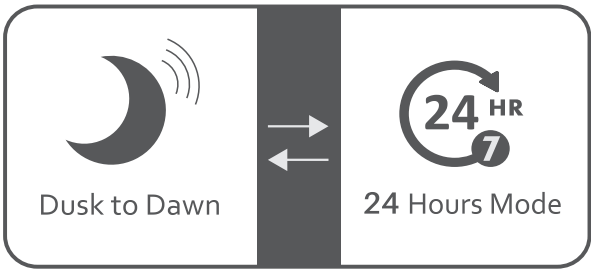
www.sincelight.com



SKU SL-PLR8-W18(PIR)



Motion Sensor **Dual Mode**



SINCELIGHT®

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Design in United Kingdom, Made in P.R.C

Technical Details

Electrical Data

| | |
|---|------------------------------|
| Voltage (V) | 85-265Vac 50/60Hz |
| Starting Time (sec) | < 0.5s when motion detective |
| Power Factor (λ) | 0.9+ |
| Warm-up Time to Full Light Output (sec) | Instant full light |

Product Data

| | |
|--------------------------------|------------------|
| Product Wattage (W) | 18 |
| Equivalent Wattage (W) | 160 |
| Colour Consistency (SDCM) | < 5 |
| Beam Angle (°) | 120 ° |
| Colour Render Index (Ra) | 80-85 |
| Luminaires Type | Close to Ceiling |
| Duration per Triggered (Sec) | 60 |
| Operating Temperature | -30°C to +45°C |
| Motion Sensor Type | PIR |
| Light Sensor Type | Full Spectrum |
| Weight (g) | 350 |

Performance Data

| | |
|---|----------------------------|
| Rated Life (hrs) | 30,000 |
| Lumen Maintenance at the End of Lamp Life (%) | ≥90 |
| Colour Temperature (K) | Total Luminous Flux (lm) |
| 3000 K | 1600 |
| 4000 K | 1800 |
| 6000 K | 1800 |

Product Dimensions

| | |
|-----------------|-----|
| Diameter (mm) | 220 |
| Height (mm) | 18 |

REMARKS

The rated wattage, rated lamp life and rated luminous flux are equivalent to their nominal values shown on product packaging.

SWITCHABLE BETWEEN DUAL MODE



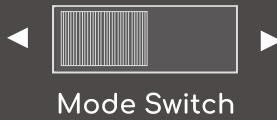
DUSK TO DAWN Motion Sensor Mode

The Motion Sensor only works from dusk to dawn in this mode.

DUSK TO DAWN
Motion Sensor Mode

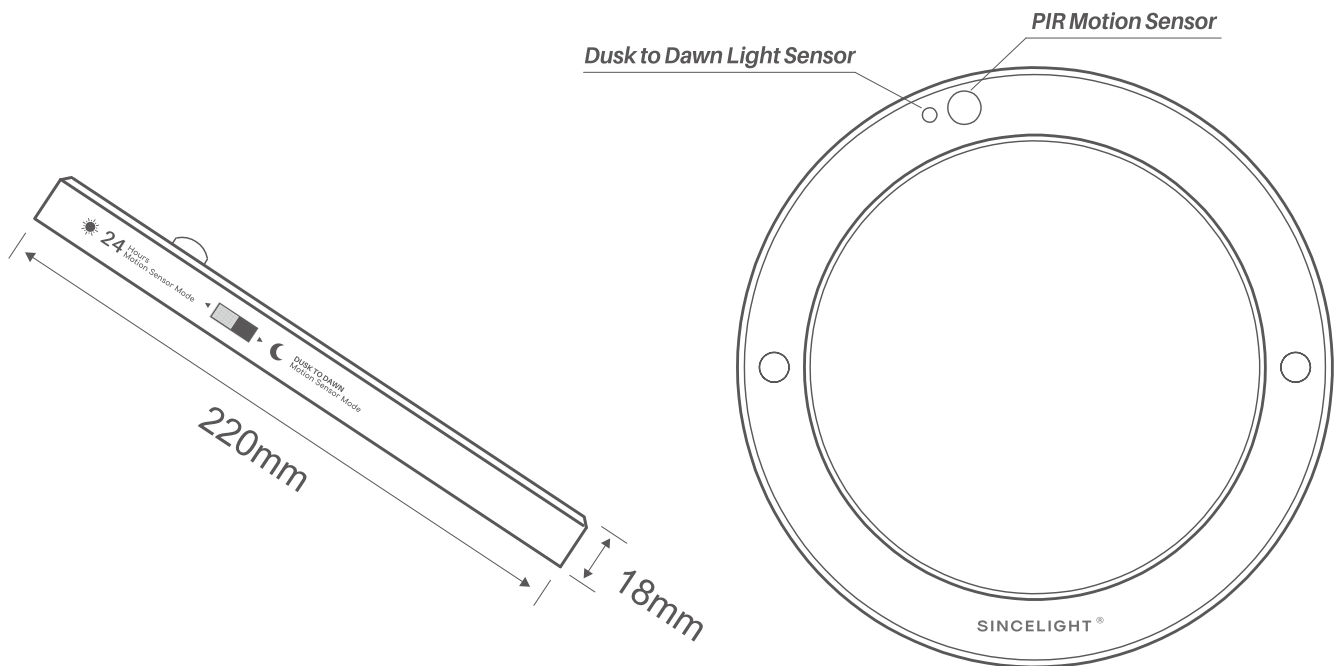


24 Hours
Motion Sensor Mode



24 Hours
Motion Sensor Mode

The Motion Sensor always works all day long in this mode.



DIMENSION

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MOTION SENSOR +

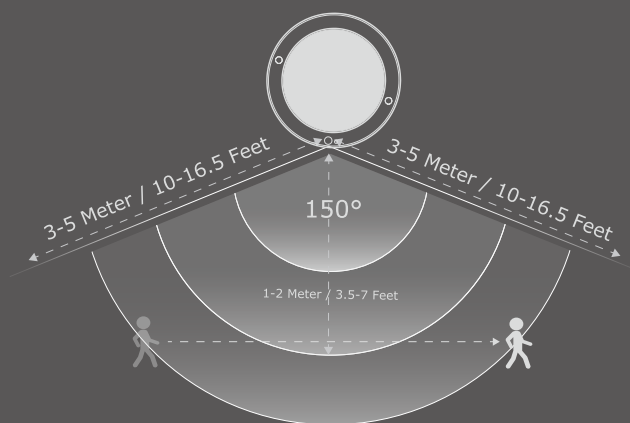
ON

Off

Automatic

MOTION SENSOR+

LED Surface Mounted Light Panel



DETECTION DISTANCE

ATTENTION

The SINCELIGHT LED Light equipped with PIR sensor, It is a kind of pyroelectric infrared sensors that detect variations in infrared rays. However, detection may not be successful in the following cases: lack of movement or no temperature change in the heat source. They could also detect the presence of heat sources other than a human body. Efficiency and reliability of the system may vary depending on the actual operating conditions:

① Detecting heat sources other than the human body, such as:

- a) Small animals entering the detection area
- b) When a heat source, for example sun light, incandescent lamp, car headlights etc., or strong light beam hit the sensor regardless whether the detection area is inside or outside.
- c) Sudden temperature change inside or around the detection area caused by hot or cold wind from Heating, Ventilation and Air Conditioning, or vapor from a humidifier, etc.

② Difficulty in sensing the heat source

- a) Glass, acrylic or similar materials standing between the target and the sensor may not allow a correct transmission of infrared rays.

b) Non-movement or quick movements of the heat source inside the detection area.

③ Expansion of the detection area

In case of a considerable difference in the ambient temperature and the human body temperature, the detection area may be larger than the configured detection area.

④ Detection distance

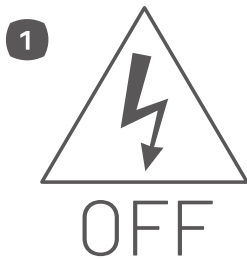
The PIR Motion sensor could detect variations in infrared rays however such variations are decided by following three factors. The temperature difference between the target and the surroundings: The larger the temperature difference, the easier it is to detect targets.

Movement speed: If the target is moving at a slower or faster speed than specified in the tables, the detection ability may be lower.

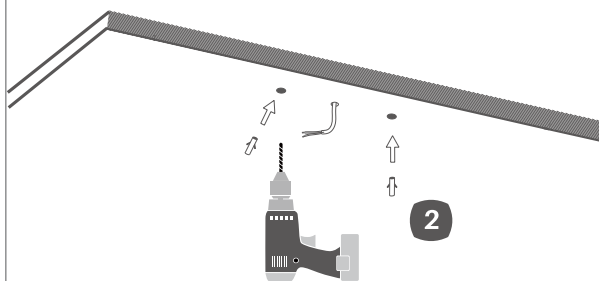
Target size: The human body is the standard. If the target is smaller or larger than specified in the table, the detection ability may be lower. The detection distance explained in our data sheet is defined by the three factors mentioned above. SINCELIGHT's standard for the temperature difference between the target and the surrounding is defined as 4°C. The larger the temperature difference, the longer the detection distance. If the temperature difference is 8°C, which is twice as much as the standard, the detection distance will be approx. 1.4 times longer than the distance at 4 °C. For example, if targets at a distance of 5m can be detected at 4 °C, then the sensor can detect targets at a distance of 7m at 8°C. (This is based on the theory that the detection sensitivity will vary inversely with the square of the distance.)

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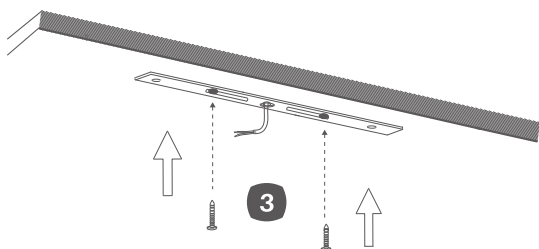
INSTALLATION INSTRUCTION



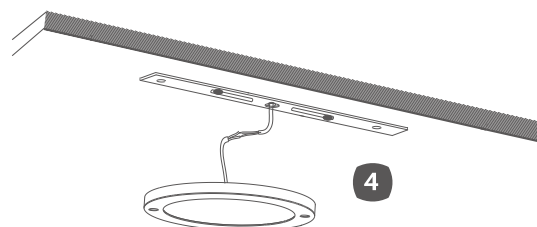
- 1** Cut off the power before installation.



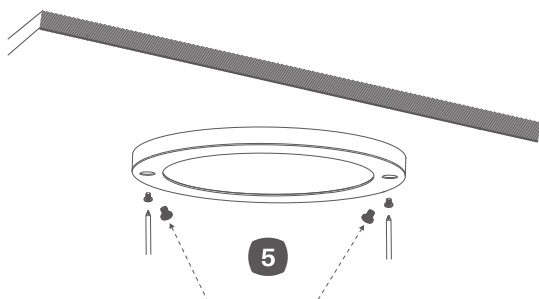
- 2** Make 2 hole (about 6mm) according to the hole site of the back frame.



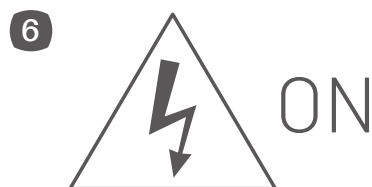
- 3** Mount the back frame fixture onto the ceiling or wall.



- 4** Pull the power cord through the frame and connect the wires.



- 5** Install the lamp onto the frame fixture and fix up the stopper.



- 6** Turn on the power and the light will lights for about 20 seconds and then turn off. Keep the power on and then Installation completed.