

SOLAR MOTION SENSOR LIGHT LAMP

USER MANUAL

Product Structure



① Solar Panel ② Motion Sensor ③ LED Lamp ④ Function Switch

Specifications

- Solar Panel: 6V 2.5W
- Energy-efficient Conversion rate: 18%
- Battery: Li-ion battery 3.7V 2000mAh
- Protection circuit Voltage: 3.0~4.25V
- Output: 3.2V 1180mA 3.8W
- Standby Current: 5uA
- LED: 60mA / 28Lm / SMD2835 * 36pcs, White light
- LED lumens: 450Lumens
- PIR Angle:120°
- Product dimension:180*110*30mm

Function Switch

- 1) Press the switch 3 to 5 second, open the light lamp and will flash twice, come to the “Body induction + Dim bright” mode. The brightness is strong when people go through the sensory area, or is Dim when people leave.
- 2) Press the switch again, LED lamp will flash twice, open the “Body induction + turn off” mode. The brightness is strong when people go through the sensory area, or turn off automatically when people leave.
- 3) Press the switch third time, LED lamp will flash twice, open the “constant light” pattern, the brightness will be only half of “Body induction” mode, it will be lighting-off automatically after 5 hours.
- 4) Press the switch fourth time, turn off the light lamp.

★ **Lighting time under induction: Extension for 10 seconds after inducted, time will be re-clocked if the extension time if not finished but re-induction.**

★ **Light control function: The circuit will stop work and the switch is unavailable when the solar panel met with light; it will start up automatically when the solar panel not met with light.**

Work current under Body induction: 3.8V1400mA

Work current under Dim light pattern: 3.8V30mA

Work current under Constant light pattern: 3.8V400mA

Waterproof level

IP65

Charging time

>6 hours under 1000W/m² standard

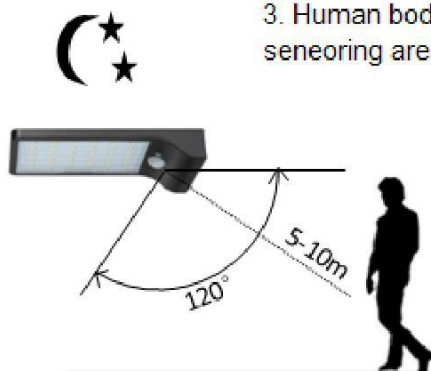
Working principle



1. Charge the solar panel under the direct sunlight at daylight. The electrical energy will be stored in the 18650 battery, more time to charge more electrical energy.



2. The circuit will start work automatically at night.

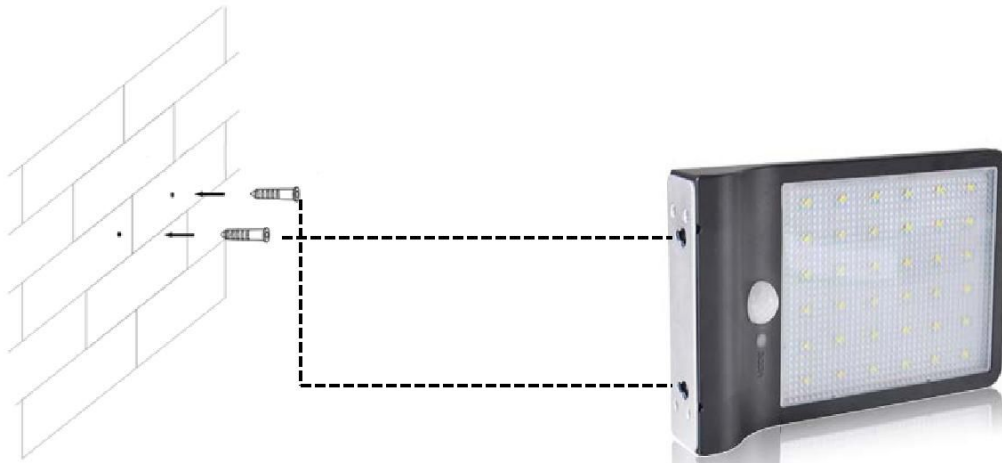


3. Human body induction function, when people go through the sensing area, the light will stronger.



4. It will be at standby for 10 seconds after people leave the sensing area. The circuit will be shut down automatically and charging during the daylight.

Installation instructions



Punch two suitable holes on the place where install the light lamp, insert the expansion plug, screw up and hang up the light lamp.

Cautions:

1. For the first time using, please put the product under the sunlight to charge for several hours before using.
2. When the product isn't in use for long time, please take out the battery and store it in a dry or cool place to avoid the leakage. Recharge the battery by every three months at a time, to ensure it is not damaged and leakage.
3. If the battery is exhausted, the light lamp will flash. Please recharge it before normal using.
4. In fact, durations of light depends on exposure level of sunlight, geographical location, weather condition and the time of daylight. The stronger of sunlight, the faster of charging; the longer time of sunlight, the more of power in charging. The effect will be weakened in the raining days.