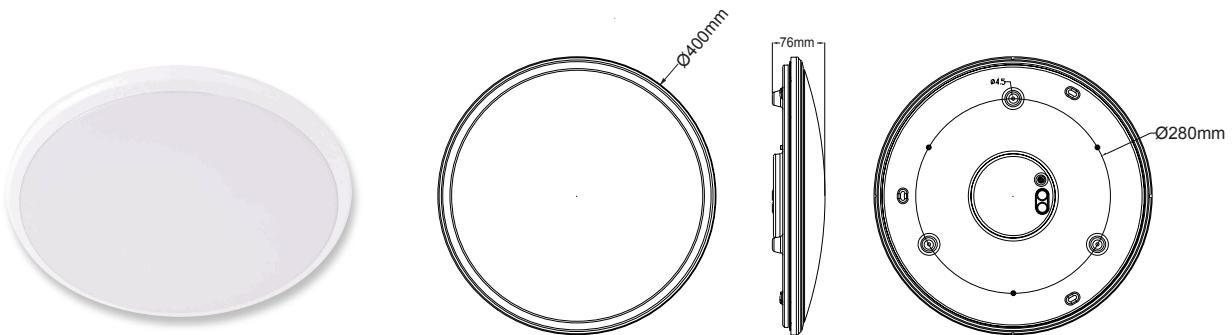


# PD-LED2051 Microwave Sensor Light Instruction



Packing list in	Quantity
Microwave Sensor Light	1X
φ6 Plastic Expansion	3X
4x30 Screw	3X
Instruction	1X

## Summary

This is a microwave induction switch control LED lights, microwave sensors placed inside the lamp inside, inside have 108 particles of high brightness LED and 12 fill light LED granule, deep solved the part of the LED lamps have the shadow, the total power for 28W. We adopt this sensitive advanced sensor switchs in lighting control, enabling the light to turn on automatically when one comes , automatically turn off when one goes out In addition to the widely usage in the aisle stairs ,living room and bedrooms , it also can be installed in the bathroom.

## IP 44



Use high quality PC lampshade. Strengthen the flexible refraction of light. And its function of anti-ultraviolet makes the shade not easy to turn yellow and be broken.



LED lamp consumes power 80% less than incandescent lamp and 50% less than fluorescent lamp.

## Specifications

Power source: 100-130VAC 60Hz   
220-240VAC 50Hz

Rated LED: 25W Max.

HF system: 5.8GHz

Transmission power: <0.2mW

Time setting: 8sec to 12min (adjustable)

Detection range: 2-10m (radii.) (adjustable)

Light-control: 10-2000LUX(adjustable)

Detection angle: 360°

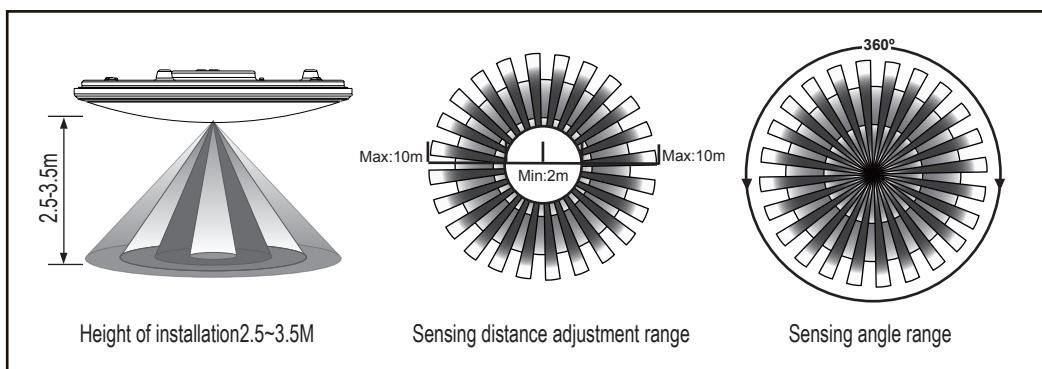
Installation height: 2.5-3.5m (ceiling mount)

Working Temperature:-20~+55°C

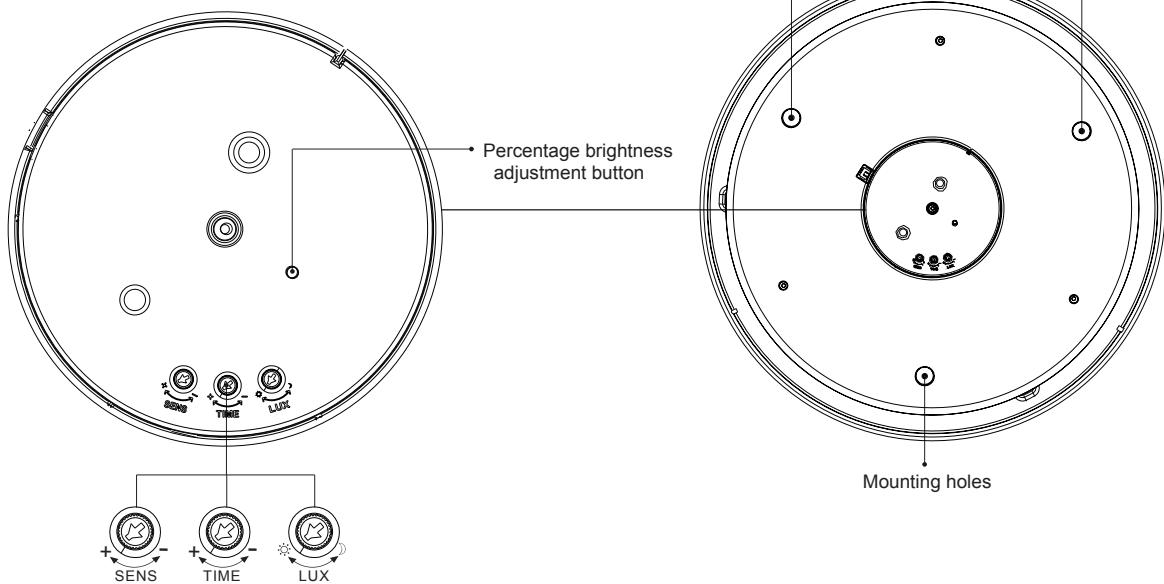
LED quantity: 108PCS

LED specifications: 2835

## Sensor information



## Name of each part

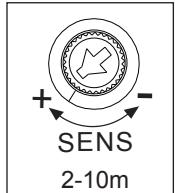


## Function

### Setting manner: knob

It may take times to adjust values before they satisfy your need.

### Detection range setting(sensitivity)

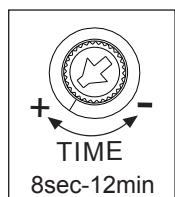


Detection range is the term used to describe the radius of the roughly circle casting on the ground when installed at the height of 2.5 m. To turn the knob fully anti-clockwise is the minimum range, fully clockwise is the maximum.

**Note:** the above detection range is gained in the case of a person who is between 1.6m~1.7m tall with middle figure and moves at a speed of 1.0~1.5m/sec. if person's stature, figure and moving speed change, the detection range will also change.

**Notice:** when using this product, please adjust the sensitivity (detection range) to an appropriate value but the maximum to avoid the abnormal reaction caused by the easy detection of the wrong motion by the blowing leaves & curtains, small animals or the interference of power grid & electrical equipment. All the above mentioned will lead to the error reaction. When the product does not work normally, please try to lower the sensitivity appropriately, and then test it. Human movement will cause the sensor induction, so when you under the function testing, please leave the induction region and don't make movement to prevent the sensor continuous work.

### Time setting



It can be defined from 8 seconds (turn fully anti-clockwise) to 12 minutes (turn fully clockwise). Any movement detected before this time elapses will re-start the timer. It is recommended to select the shortest time for adjusting the detection range and for performing the walk test.

**NOTE:** When the light be auto off, it will take 1 second before the sensor is ready to detect another movement, that is, only signal detected 1 seconds later can the light be auto-on.

It is mainly for the adjustment of the delay time from the moment the signal detected and light auto-on till the light auto-off. You can define the delay time to your practical need. But you'd better lower the delay time for the sake of energy saving, since the microwave sensor has the function of continuous sensing, that is, any movement detected before the delay time elapses will re-start the timer and the light will keep on only if there is human in the detection range.

### Light-control setting



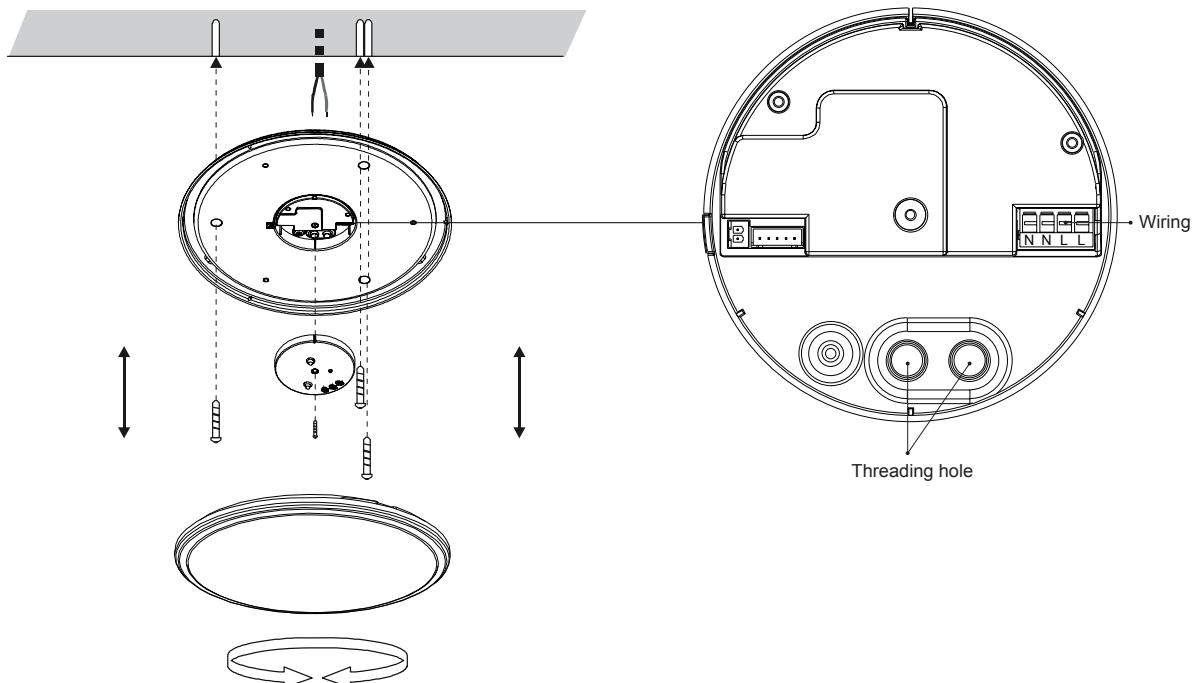
It can be defined in the range of 10~2000 LUX. To turn the knob fully anti-clockwise is about 10 lux, fully clockwise is about 2000 lux. When adjusting the detection zone and performing the walk test in daylight, you should turn the knob fully clockwise.

### Brightness Percentage Enter/Exit function

When the ambient light is less than 100lux, the system starts dimming mode. If there is no signal detected during the delay time, it will enter the percentage lighting. Once signal detected, it recovers to 100% lighting. It will auto exit dimming mode, when the ambient light is over 100lux. The dimming mode works digitally and independently.

Can be selected via buttons percentage of 0% -30% brightness, the initial brightness percentage of 0% every time you press the brightness increased by 10%, 30% and then press the brightness is reset to 0%, press law cycle.

### Installation



## Warning!

1. The LEDS in serial can function when all the seals installed in place.
  2. Please don't remove or connect with other lamp when powered on.
  3. When the LEDS in serial are damaged, you need experienced technician to repair using the same rating LEDS.
- Please confirm with professional installation.
  - For safety purposes, please cut off power before installation and removal operations.
  - Any losses caused by improper operation, the manufacturer does not undertake any responsibility.