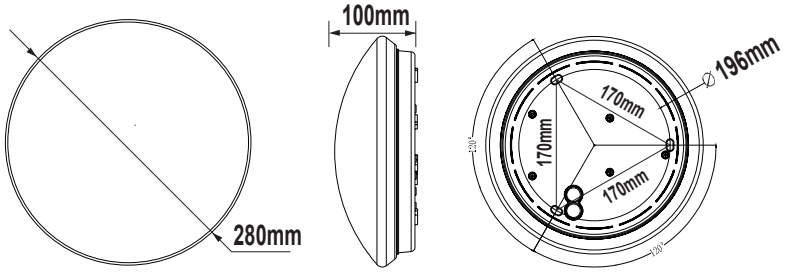
■ Microwave Sensor Lamp
PD-LED2006 instruction



Product size

Summary

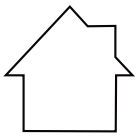
Packing list in	Quantity
Microwave Sensor Lamp	1X
Φ6 Plastic Expand	3X
3x30 Screw	3X
Instruction	1X

This is a microwave sensor switches controlled LED lights,the microwave sensor was built into the lamp ,it has 36pcs high brightness LEDs inside ,with total power of 18 watts. When light on, the luminous flux will be more than 600 lm, equivalent to that of 60 watt incandescent lamp(≈400lm) and the life exceeds 50,000 hours. The microwave sensor switch is a new type automatic switch that comes after voice switch ,and infrared sensor switch .The detection way has the below advantages compared with other as follows: 1. non-contact detection, 2. Suitable for bad environment, immune to temperature, humidity, noise, air, dust, light…3.RF interference ability, 4. Transmission power only 0.3 mW, It will not harm the human body. Simple installation+ easy wiring.

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.

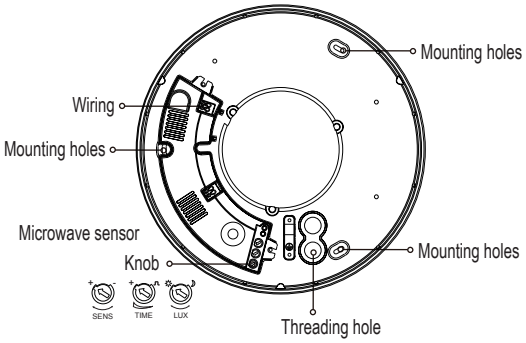
The built-in microwave sensor switch can penetrate plastic, glass, wood . So it can be installed in glass or plastic shell lamp This allows the application of microwave sensor switch in different styles of lights for energy control. Now, we can provide a variety of microwave

IP 20

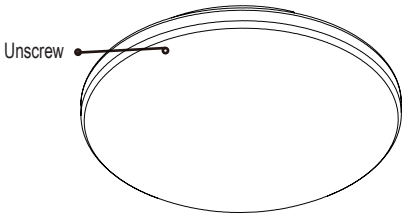


Use high quality White frosted glass chimney.Strengthen the flexible refraction of light.And its function of anti-ultraviolet makes the shade not easy to turn yellow and be broken.

Name of each part



Lamps and lanterns base



White frosted glass chimney

Specifications

Power source: 220-240V/AC
Power frequency: 50Hz
Rated load: 18W Max.
HF system: 5.8GHz CW electric wave, ISM wave band
Transmission power: <0.3mW
Time setting: 6sec to 12min (adjustable)
Detection range: 1-10m (radii.)(adjustable)
Light-control: 10-2000LUX(adjustable)

Standby power: <0.9W
Detection angle: 360°
Luminous flux: 630lm (warm white) □
680lm (cold white) □
Installation height: 2.5-3.5m (ceiling mount)
Lamp part
LED quantity: 36PCS
LED specifications: FM-5630WNS

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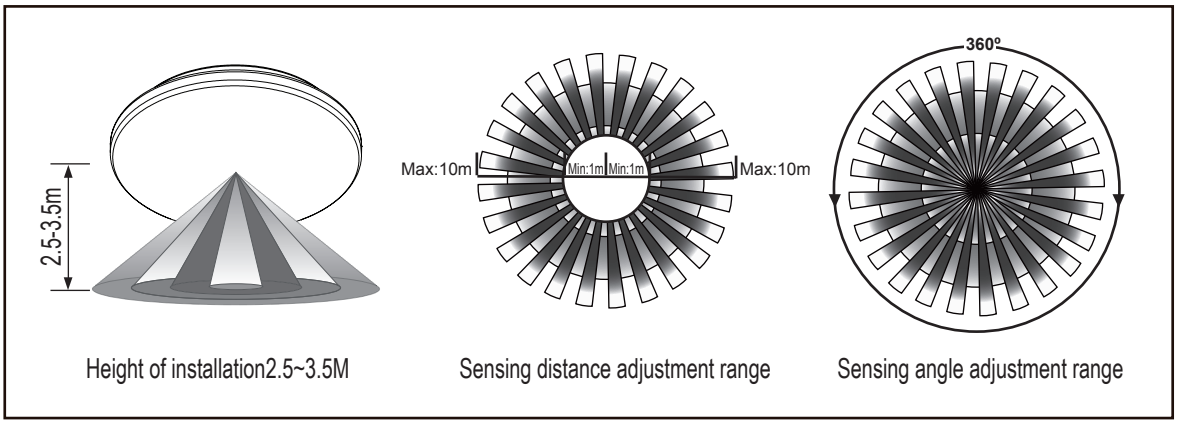
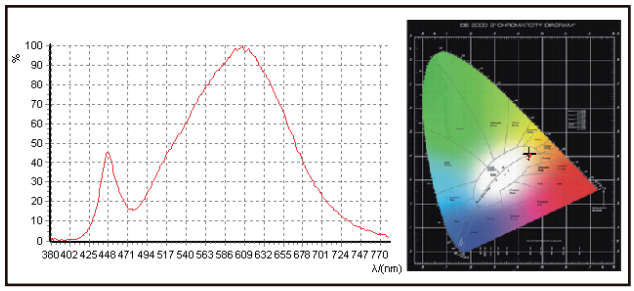
Sensor information

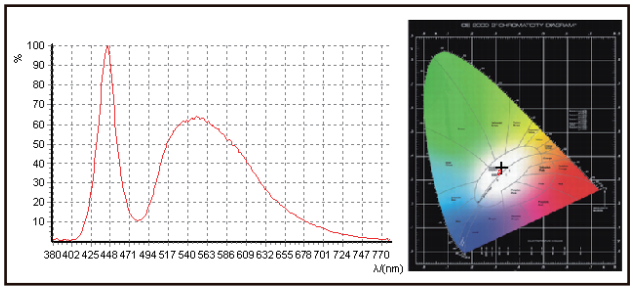


Spectrogram

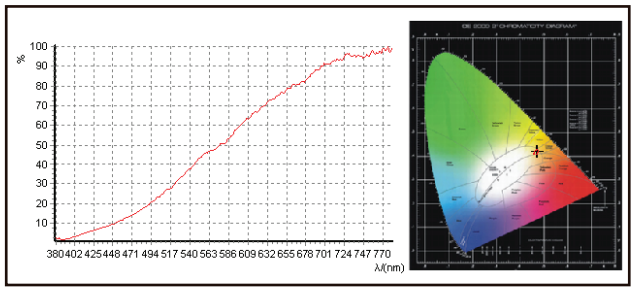
PD-LED2006 (630lm warm white)



PD-LED2006(680lm cold white)



60 watt incandescent lamp(≈400lm)



When light on, the luminous flux will be more than 600 lm, equivalent to that of 60 watt incandescent lamp(≈400lm).

Function

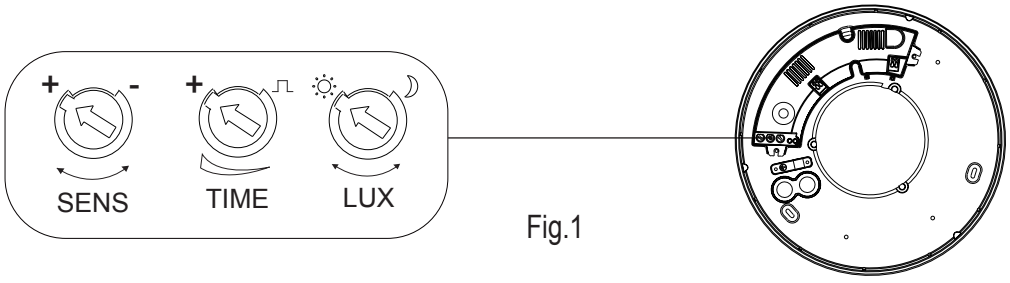
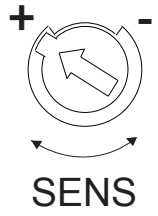


Fig.1

Detection range setting (sensitivity)



Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 2.5m, turn the detection range control fully anti-clockwise to select minimum detection range(approx.1m radii), and fully clockwise to select maximum detection range(approx. 10m radii).

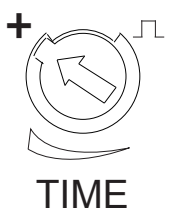
NOTE: the above detection range is gained in the case of a person who is between 1.6m~1.7m tall with middle figure and moves at a speed of 1.0~1.5m/sec. if person's stature, figure and moving speed change, the detection range will also change.
In different cases, the sensitivity of the lights has certain deviation.

ATTENTION: When use this product, please adjust the sensitivity to an appropriate position you need, please do not adjust the sensitivity to maximum, to avoid the product does not work normally caused by wrong motion.Because the sensitivity is too high easily detect the wrong motion by wind blowing leaves & curtains, small animals, and the wrong motion by interference of power grid & electrical equipment. All those lead the product does not work normally !
When the product does not work normally, please try to lower the sensitivity appropriately, and then test it.

Solutions of prevent the power network pulse interference the products:
Due to the difference of regional interference power network, the pulse of interference is uncertain,so the user are not suggested to adjust the sensitive to the maxium when using.Suggestion:Please install and adjust the sensitive in the appropriate distance using,do not set the maxium sensitivity to prevent misoperation.

The detection distance may multiply for the reflection on microwave electromagnetic field by the metal or glass materials. Thus, lower the sensitivity to reach the appropriate detection distance. Never turn the SENS knob to the maximum value to avoid error detection. Also the surrounding environment will lead to error action, e.g. the automobiles passing by or the wandering objects caused by the wind. Products should be installed more than 4 meters one from the other, otherwise the interference among them will cause error action.

Time setting



The light can be set to stay ON for any period of time between approx. 6sec(turn fully anti-clockwise) and a maximum of 12min(turn fully clockwise). Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.

NOTE: After the light switches OFF, it takes approx. 1sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

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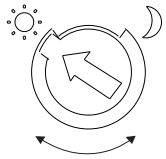
The proper use of trimming potentiometer: the trimming potentiometer is used to adjust the time that sensor light turn on when detects somebody movement and turn off automatically. The user can adjust the light time according to different needs. In order to carry out the saving-energy effectively,we suggest that we should decrease the close time automatically.In addition, due to the continuous sensor function of PD-LED2006 microwave sensor lamp,simply speaking:Timer will time renewedly so as sensor lamp has any induction. Lamp will keep open once detected movement within the detection range .

Light-control setting



The chosen light response threshold can be infinitely from approx. 10-2000lux. Turn it fully anti-clockwise to select dusk- to-dawn operation at about 10 lux. Turn it fully clockwise to select daylight operation at about 2000lux. The knob must be turned fully clockwise when adjusting the detection zone and performing the walk test in daylight.

Note: Please don't adjust the three functional buttons to excess. That is because the three functional buttons were connected to the components directly, there is a small stopper in each of the three components, when you adjust the buttons from start to end, the excessive turn will damage the stopper, and lead to the 360°non-stop turn around. The adjust range limit is 270°, please do pay attention to this.

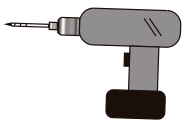
Procedure of installation

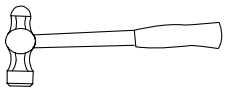
Warning!

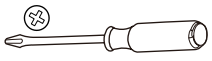
1. Please keep it away from the children when installation.
2. Please avoid to be installed where the temperature or humidity is high.
3. Please cut off the power before installation.

Note:Please bring the following tools

Pencil


Electric drill


Hammer


Screwdriver

- Step1 Seperate the lamp into two parts:A and B.

NOTE: Chimney is fragile, please don't take too much force

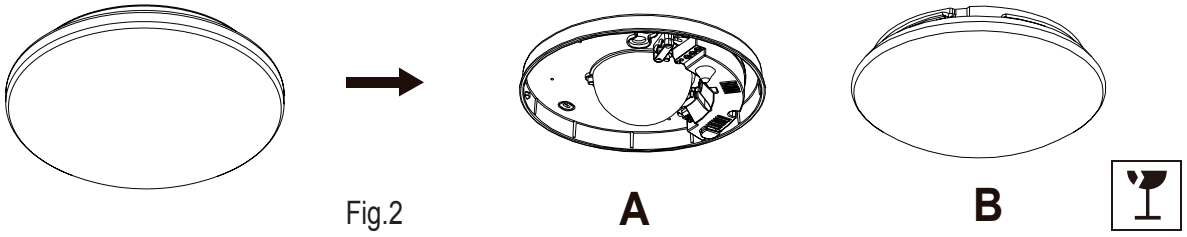


Fig.2

• Step2 Turn the knobs to the ideal conditions
(Please define the settings as per the above FUNCTION part mentioned.).

• Step3 Put the base of the product on the ceiling to make the drilling mark (as Fig.3)
• Step4 Install the product on the place where you marked (as Fig.4)

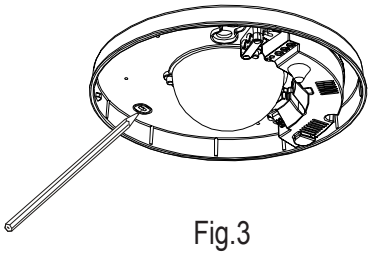


Fig.3

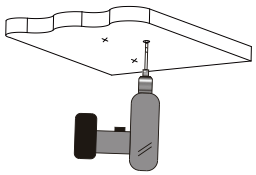


Fig.4

Warning!

When you are drilling ,please make sure you wear glasses and dust masks to prevent the dust fly into the nose and throat causing unnecessary trouble

• Step5 Knock the plastic expansion screw into the hole which you drill (as Fig.5)
• Step6 Put the power line through the line hole to connect on the wiring (as Fig.6)

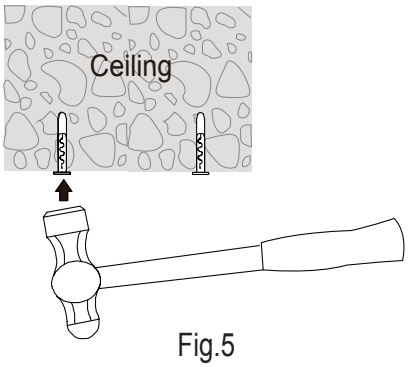


Fig.5

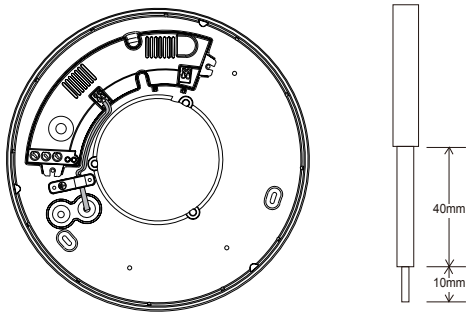
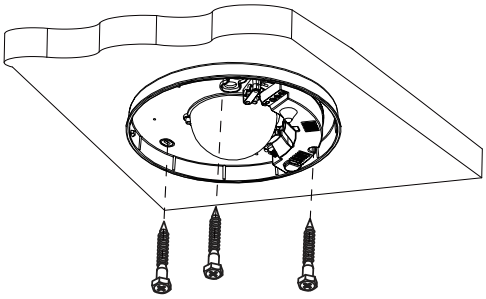


Fig.6

• Step7 Fix the base of the product on the selected place with the screws (as Fig.7)



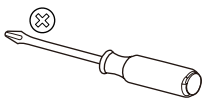
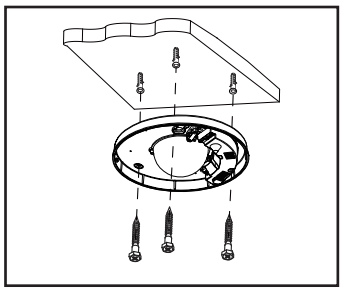


Fig.7



Concrete ceiling

• Step8 Rotate the lampshade clockwise into the base.Installation finished. (as Fig.8)

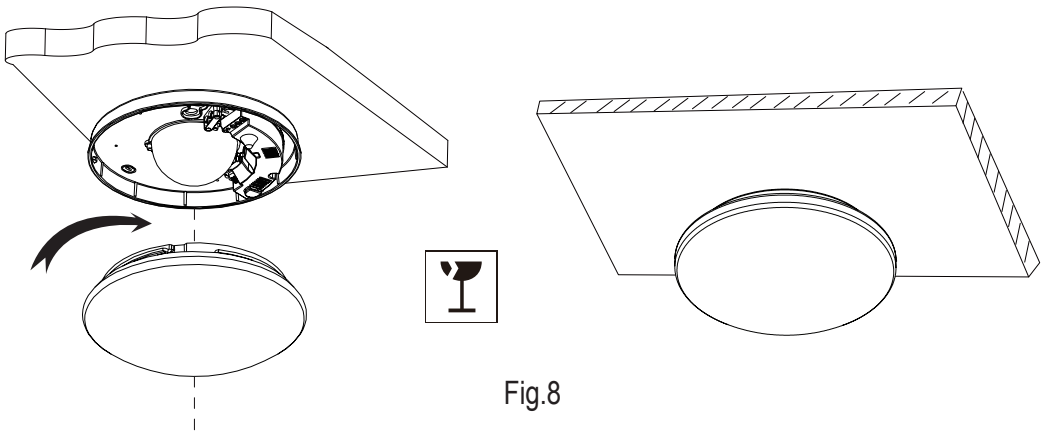
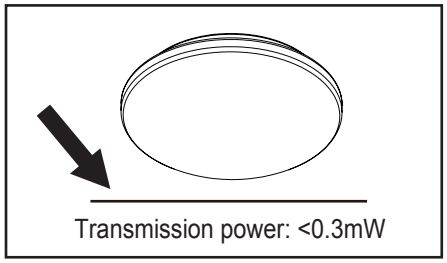


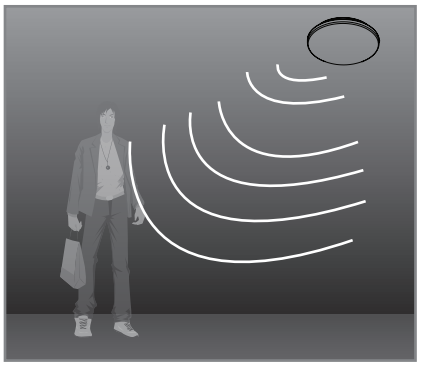
Fig.8

Fault and the solution

Fault	Failure cause	Solution
The load fails to work.	Light-illumination is set incorrectly.	Adjust the setting of the load.
	The load is broken.	Change the load.
	The power is off.	Turn the power on.
The load works all the time.	There is a continuous signal in the region of the detection.	Check the settings of the detection area.
The load works when there is no motion signal detected.	The lamp isn't installed well so that sensor fails to detect reliable signals.	Re-adjust the installation place.
	Moving signal is detected by the sensor (movement behind the wall, the movement of small objects, etc.)	Check the settings of the detection area.
The load fails to work when there is motion signal detected.	The motion speed is too fast or the defined detection area is too small.	Check the settings of the detection area.

Note: the high-frequency output of this sensor is<0.3mW- that is just one 3300th of the transmission power of a mobile phone or the output of a microwave oven.





Induction of human movement

Since entering lighting condition

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Application

⚠ 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 profession installation.
Please cut off power supply before installation and removal operations.
Make sure that you have cut off the power for safety purposes.
Improper operation caused losses, the manufacturer does not undertake any responsibility.

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles. When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.

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