

Microwave Sensor Light Instruction



PD-LED2046MDS

IP 65

Packing list in	Quantity
Microwave Sensor Light	1X
$\phi 6$ Plastic Expansion	4X
4x30 Screw	4X
Instruction	1X

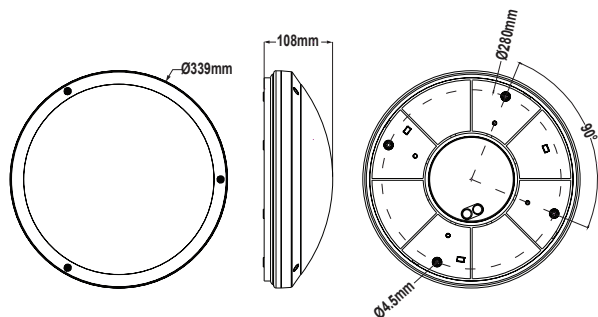


LED lamp consumes power 80% less than incandescent lamp and 50% less than fluorescent lamp.



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.

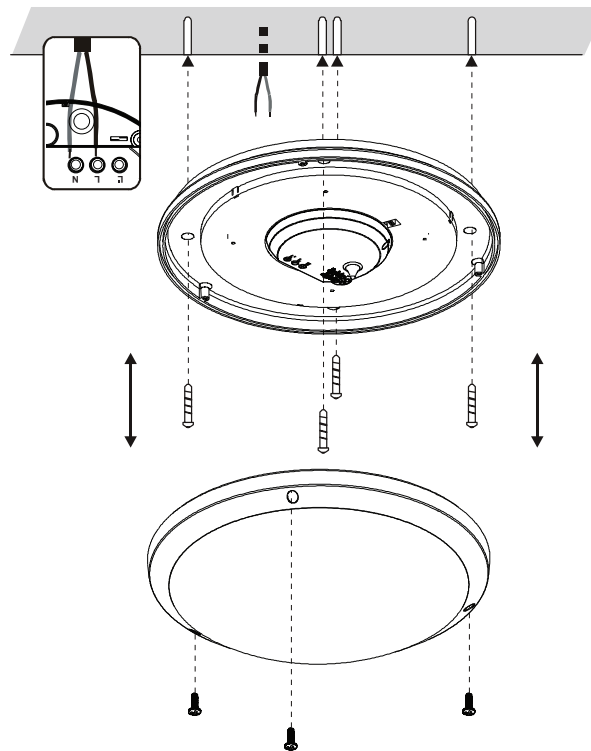
Product size



100-250V~

72 x LED(2835), 16W

Ø339 x 108 mm

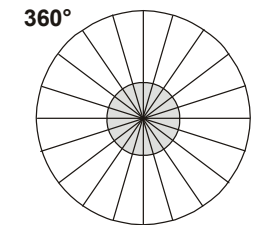
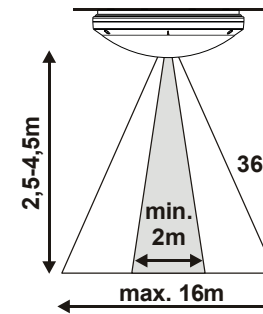


SENS



min. 1m
(radii.)

max. 8m
(radii.)

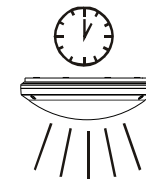


TIME



min.
8 sec.

max.
12 min.

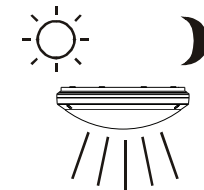


LUX



min.
10 lux

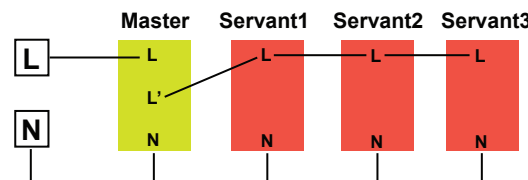
max.
1000 lux



About the "L" :

Our lamp have **synchronization function**, also can call them **"master and servant"** function. **"Master"** is with sensor's lamp, **"Servant"** is without sensor's lamp. When the **"Master"** lamp turn on, the **"Servant"** will follow turn on. When the **"Master"** lamp turn off, the **"Servant"** will follow turn off.

If you need this function, connecting method is that :
N is for master and servant (N parallel), L is for master, L' is for servant.



The total power can not exceed 1200W

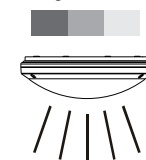
DIM



min.
0%.

max.
30%.

Percentage dimmable lighting



Summary

This is a microwave sensor switches controlled LED lights, the microwave sensor was built into the light, it has 72pcs high brightness LEDs inside, with total power of 16 watts. When light on, the luminous flux will be more than 1050 lm, 60 watt incandescent lamp (≈400lm) and the life exceeds 50,000 hours. We adopt this sensitive advanced sensor switches 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.

Specification

Power source: 100-250V/AC

Power frequency: 50/60Hz

Rated load: 16W Max.

HF system: 5.8GHz CW electric wave,
ISM wave band

Transmission power: <0.2mW

Time setting: 8sec to 12min (adjustable)

Detection range: 1-8m (radii.) (adjustable)

Light-control: 10-1000LUX (adjustable)

Detection angle: 360°

Standby power: <0.5W

Installation height: 2.5-4.5m

(ceiling mount)

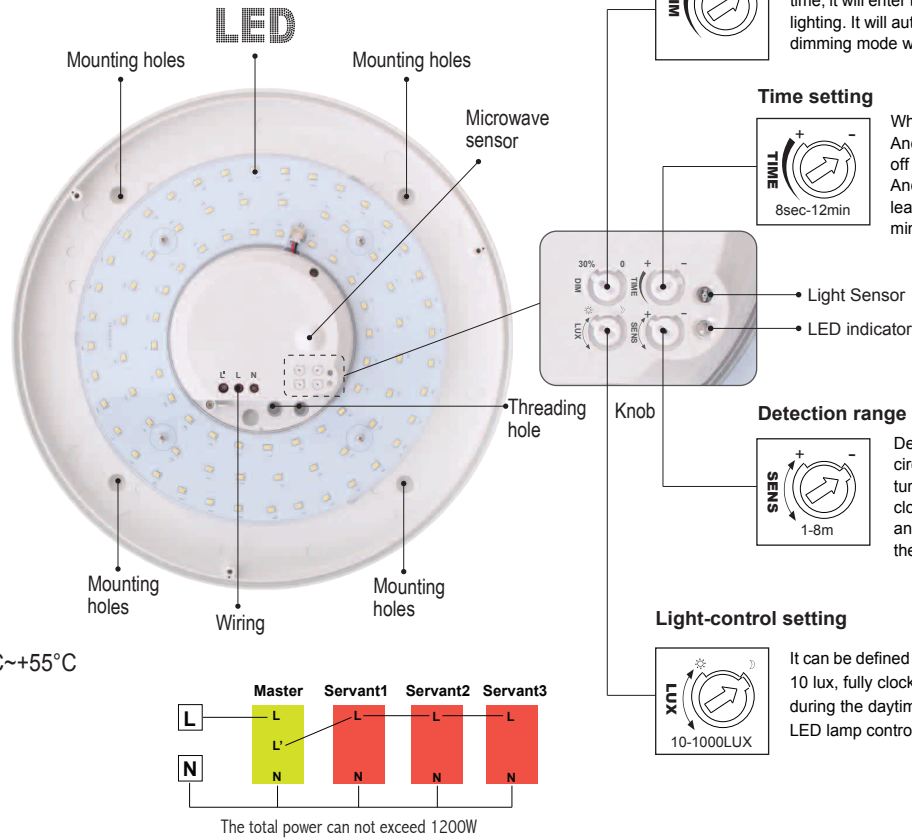
Working temperature: -10°C~+55°C

Luminous flux: 1050lm

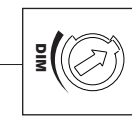
LED quantity: 72PCS

LED specifications: 2835

Lights and lanterns base:

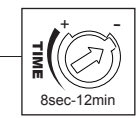


Percentage dimmable lighting



It can be defined in the range of 0%~30%. When the ambient light is less than 70 lux, 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 100 lux. The dimming mode works digitally and independently.

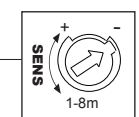
Time setting



When motion signal detected, the LED lamp controlled be auto on. And if there is no signal during the delay time (8s ~12min), it be auto off and you're expected to wait for 4 seconds before the next detection. And any motion signal detected during the customer-defined time will lead the system re-compute the time. It is suggested you choose the minimum time during test to save energy & time.

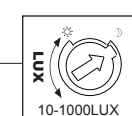
In order to convenient installation and production, after first put on electric, first three times detection delay will be 3 seconds, then enter to normal mode (the specific delay time subject to potentiometer).

Detection range setting



Detection range is the term used to describe the radii of the roughly circle casting on the ground when installed at the height of 2.5 m. To turn fully anti-clockwise is the minimum distance (approx. 1m), fully clockwise is the maximum (approx. 8m). If person's stature, figure and moving speed change, the detection will also change, that is, the higher speed will lead to the shorter detection distance.

Light-control setting



It can be defined in the range of 10~1000 LUX. To turn fully anti-clockwise is about 10 lux, fully clockwise is about 1000 lux. You are supposed to turn fully clockwise during the daytime walking test or adjustment of detection range, in this case, the LED lamp controlled will keep on however the ambient light is.

About the Dim function :

When you adjust the knob to the minimum value, the DIM function off. When you adjust the knob to other value, the DIM function on.

For example : the lamp is installed in the room, DIM function on.

When no body in the room, the lamp will vestigial less than 30% brightness. (the vestigial brightness can adjust by DIM knob).

The vestigial brightness will keep on until the ambient light > 70LUX, when the ambient light > 70LUX, the vestigial brightness will turn off.

Maybe you have question that why is 70LUX ?

Because when the ambient light > 70 LUX, we can see more clear not need any vestigial brightness, so we set the vestigial brightness turn off.

And the 70LUX is "factory settings", we can adjust as customer's requirements before production.

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.

Warning!



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.