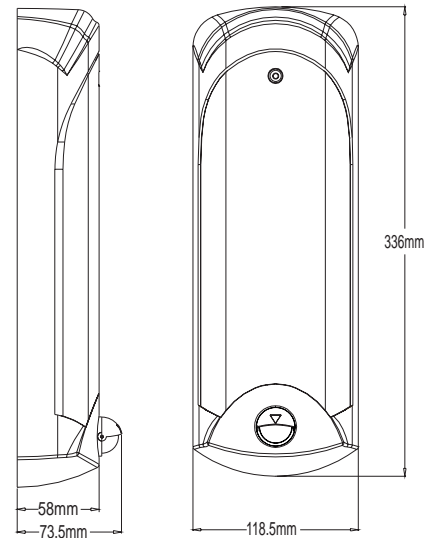


LX-PR-109L-A LED Infrared Sensor Lamp Instruction



Summary

LED as a modern light source has become the development trend in the lighting industry with the characteristics of high efficiency, long life expectancy and relatively low energy consumption. How to use it reasonably and efficiently is the key issue in the lighting industry. LX-PR-109L-A are designed with 30 LEDs (0.2W). Its reasonable layout makes heat flow even and achieve the most optimized luminous efficiency. And a 6W LED lamp can generate almost the same brightness when compared to using a 40W resistor type halogen lamp. Its life time is 100 times longer than ordinary halogen lamps. It can work with human sensor switch which makes it more energy saving and secure with the light turning on when one comes in and turning off when one goes out. LED lamps are an ideal substitute as an energy saving light source.

Specifications

Power source: 220-240V/AC

Power frequency: 50Hz

Rated load: 6W Max.

Detection range: 12m (Max) (24°C)

Time setting: min: 7±3sec

max: 6±2min (adjustable)

Light-control: <10LUX~daylight (adjustable)

Detection angle: 130°

Working temperature: -10°C ~ +40°C

Working humidity: <93%RH

Installation height: 1.8m~3.5m

(Ceiling or wall installation)

Detection motion speed: 0.6~1.5m/s

LED quantity: 30PCS

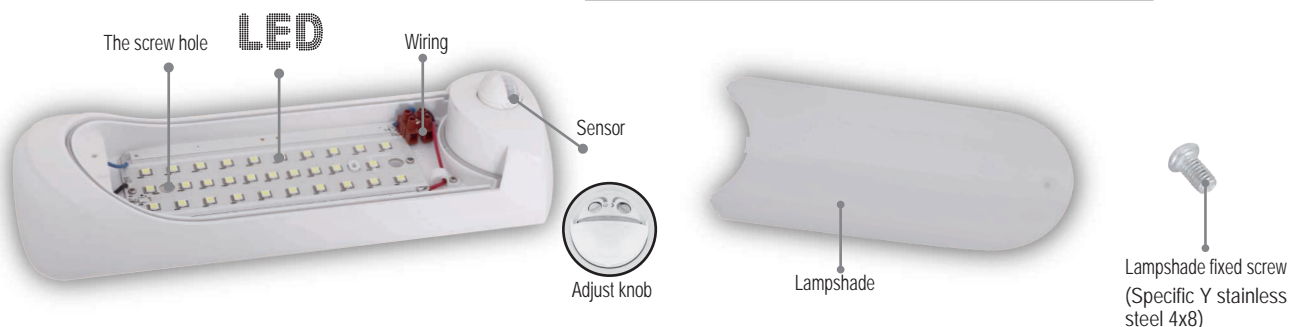
Single LED Power: 0.2W

Luminous flux: 280lm

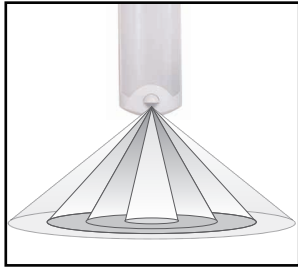
Name of each part

Assembly parts

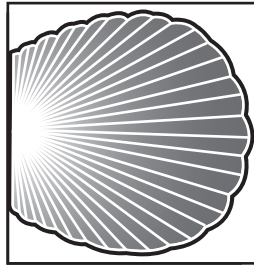
| | | | |
|---|----|---|----|
|  | 2X |  | 2X |
| Plastic expansion screw | | 4x30 Screw | |



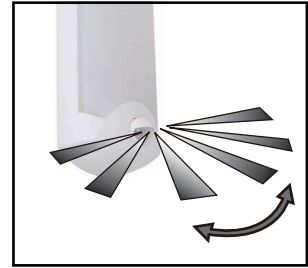
Sensor information



1.8~3.5M
Height of installation

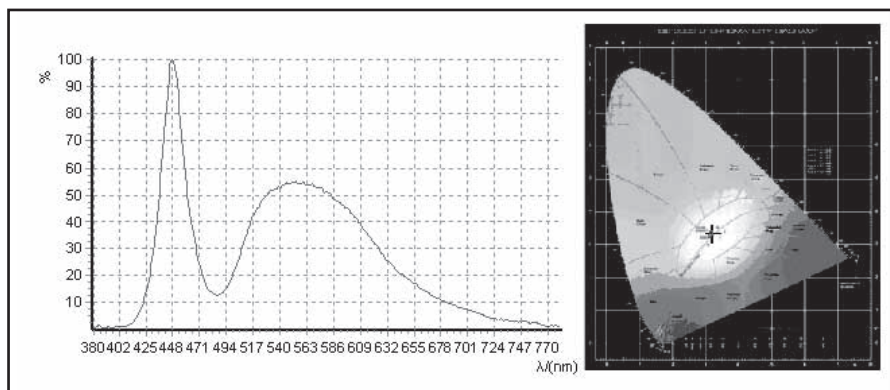


12m
Correct moving orientation



130°
Detection angle

Spectrogram



Installation

- Step 1 Mark the hole position with a pencil after determining where you want to install the product.(Fig.1)



Fig.1

Note: If it is a wooden wall, there is no need to use plastic expansion screw, just fasten the screw with the screwdriver.

- Step 2 Drill holes on the walls where there is pencil mark with an electric drill and get the plastic expansion screws inside the hole.(Fig.2)
- Step 3 Connect the cable to the lamp through the cable entry openings.(Fig.3)

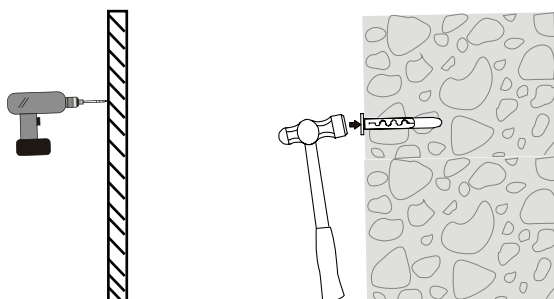


Fig.2



Fig.3

- Step 4 If it is a wooden wall,there is no need to use plastic expansion screw,just drive the screw with the screwdriver.(Fig.4a), If it is not a wooden wall ,please refer to step 2.(Fig.4b)

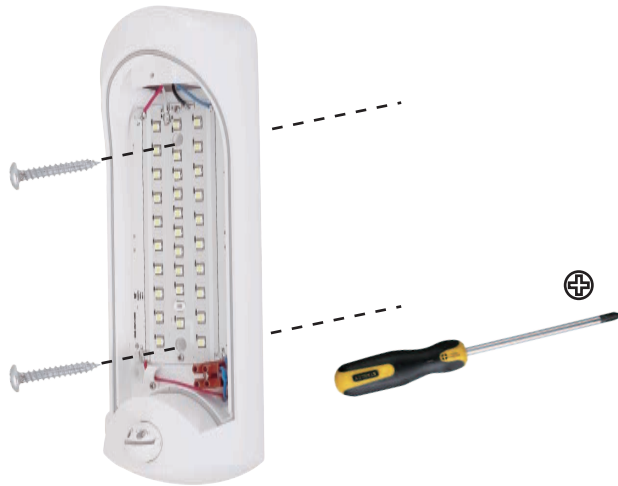


Fig.4a

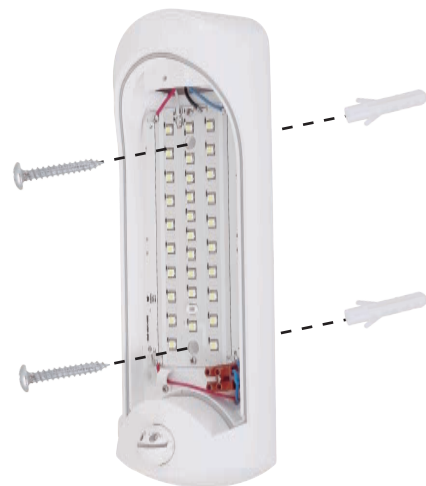


Fig.4b

- Step 5 Fasten the cover to the lamp base which has been installed on the wall.(Fig.5)

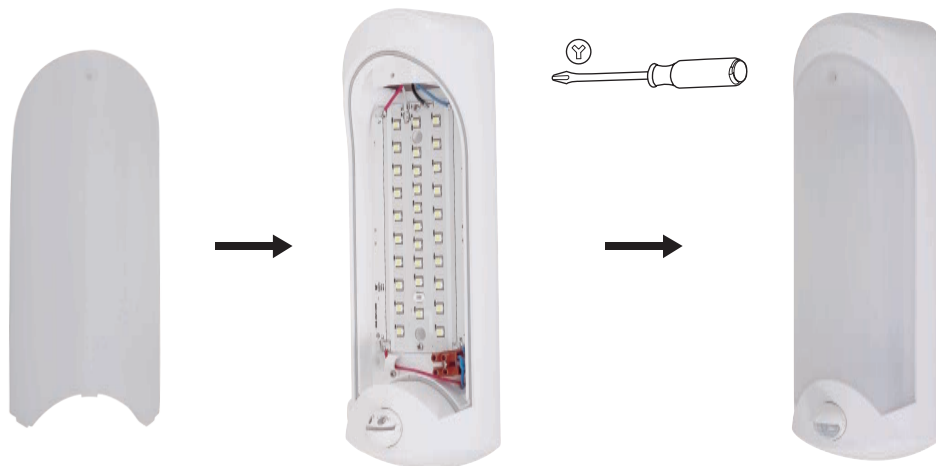


Fig.5

- Step 6 Open the cover of the control panel downwards, and set the control knobs,and then cover the control panel upwards.(Fig.6)

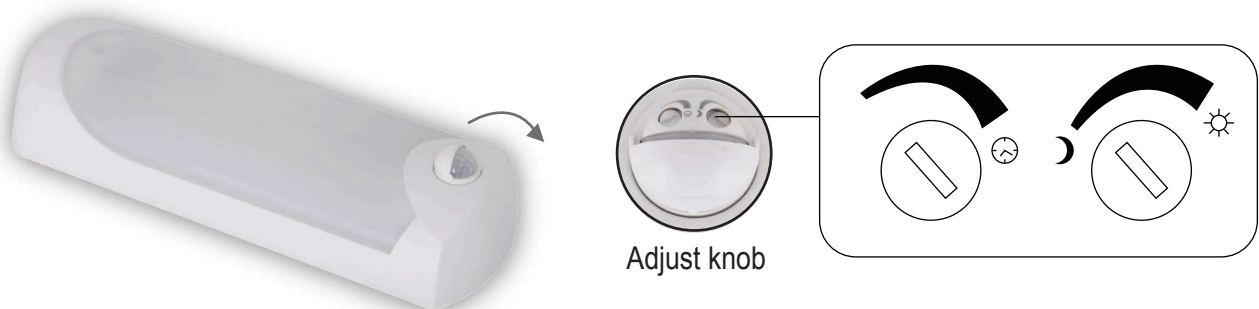
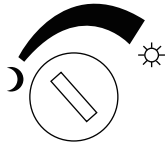
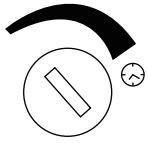


Fig.6



Work Light-control can be adjusted in the range of 10 ~ 2000LUX, light-control is about 10LUX when counterclockwise rotation to the end, light-control is about 2000LUX when clockwise rotation to the end. The knob should be rotated counterclockwise to the end when making the walking test or adjusting the detection range during the day.



It can be set at the range of 5 second (counterclockwise rotation to the end) to 8minute(clockwise rotation to the end). The timer will recount when the sensor detect a moving signal before the end of the last time, so we advise that you'd better set the time to minimum when you make the detection range testing or the walking testing.

Note: The sensor need to wait 1second to re-work after the light going off. Only after the end of the time, the light will lighten again when detecting the signal.

Note: Do not force too much when adjusting the three knobs because they are assembled directly on the component! There is a small limiting device in the component, which will be broken if you force too when the knob is rotated to the end. If it happens, the knobs will be rotated 360° without the device limiting. Please notice that the limited adjusting angle of the knobs is 270°.

Fault and the solution

| Fault | Failure cause | Solution |
|---|---|--|
| Does not work with the load | Light-illumination set incorrectly, the load is broken | Adjust the setting of the load |
| | The power is off | Change the load |
| | There is a continuous signal in the region of the detection | Turn the power on |
| Work all the time with the load | The sensor have not been installed correctly | Check the settings of the detection area |
| When there is no a moving signal work with the load | Sensors failed to pack good cause its cannot reliably detect signal | Re-install the outer covering |
| | Moving signal is detected by the sensor (movement behind the wall, the movement of small objects, etc.) | Check the settings of the detection area |
| When there is a moving signal work with the load | The moving body is too fast or the detection area is too small | Check the settings of the detection area |



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 preffessional 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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