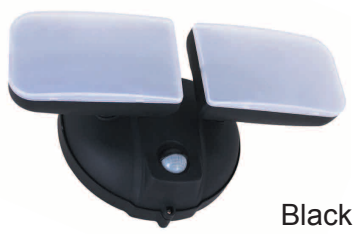
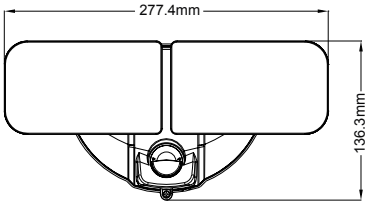
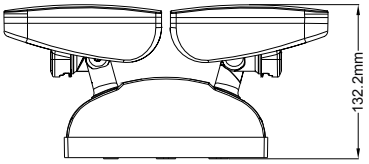
LED Infrared Motion Sensor Twin Light Specification LX-2P-A



Black □





White □

IP 65

Packing list in	LED Infrared Motion Sensor Twin Light LEDS 48PCS	Φ6 Plastic expansion	4x30 Screw
Quantity	1X	4X	4X
		Power adapter (13V-15V) 1X	

Summary

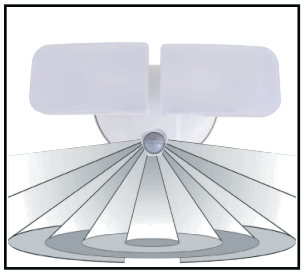
LX-2P-A is a LED twin light with digital infrared motion sensor and powered by lith- ion battery. It's stable, easily being installed, having a high lumen and long life time. The reasonable layout of the 48pcs 0.5W bright LED makes the heat flow uniformly and achieves the optimal luminous effect. When people enter into the detection range, the sensor triggers the light on. When people go out of the detection range, the light will be off at the setting delay time. When the sensor received consequent infrared signal, the delay time will be superimposed, the light will be on continued. The IP rating is 65. It's an ideal energy-effective sensor light used indoor and outdoor. It can be charged by 10W/15V solar panel and 13V-15V power adapter.

Specifications

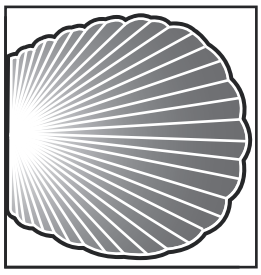
Power source: 100-240V/AC
Power frequency: 50/60Hz
Battery: 11.1V 2000mAh lith- ion battery
Standby current: 35uA
Rated load: 7W Max.
Detection range: 2-10±2m Max. (24°C) (adjustable)
Time setting: 8sec - 3min (adjustable)
Light-control: <10LUX
Detection angle： 120°
LED quanlity: 48PCS (0.5W, T2835)

LED specifications: T2835
Detection motion speed: 0.6~1.5m/s
Luminous flux: 600lm
Working temperature: –10°C ~ +40°C
Working humidity: <95%RH
Installation height: 1.8-2.5m (wall installation)
Charging: 13-15Vpower adapter or
10W/13V solar panel
IP rating: IP65

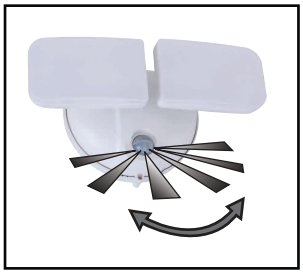
Detection information



1.8~2.5m
Height of installation



2-10±2m Max
Correct moving orientation



120°
Detection angle

Function

1. Three working modes: "ON": Keep on； "OFF": Shut off; "AUTO": Auto sensor； In mode "Auto", time delay is adjustable from 8s-3min， detection range is adjustable from 2m to 10±2m；
2. Detection range: Adjustable from 2m (anticlockwise to the end) to 10±2m (clockwise to the end).The detection range has a lot to do with the moving direction of the people； Adjust as your demands.

3. Delay time superposition: When it receives the 2nd signal after the 1st one, the delay time will restart based on the 1st remaining time. For example: The setting delay time is 10s, the 1st signal keeps the light on 5s, when it receives the 2nd signal, and it will keep the light on another 10s.
4. Delay time: Adjustable from8s (anticlockwise to the end)-3min (clockwise to the end). Adjust as your demands.
Tip: Setting the shortest delay time when testing the light.

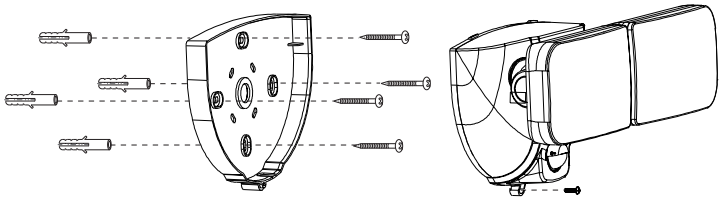
Installation Steps

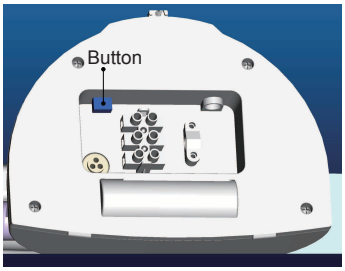
1. Cut off the power.
2. Open the base cover, connect the wires extend from the battery;
   Connect the power adapter or the wires from the solar panel.
3. Use the screws to install the base cover on the wall.
4. Switch the button to “Auto”, light enter into self test mode, which lasts 10mins.

(The self test mode can help to test the light in daylight. Since other mode the light can be only triggered on at night)

5. Fix the light part over the base cover.

Tip: Close self test mode immediately: Switch the button to “ON” and then switch to “Auto”. If everything works well, setting the delay time and detection range as your demands.



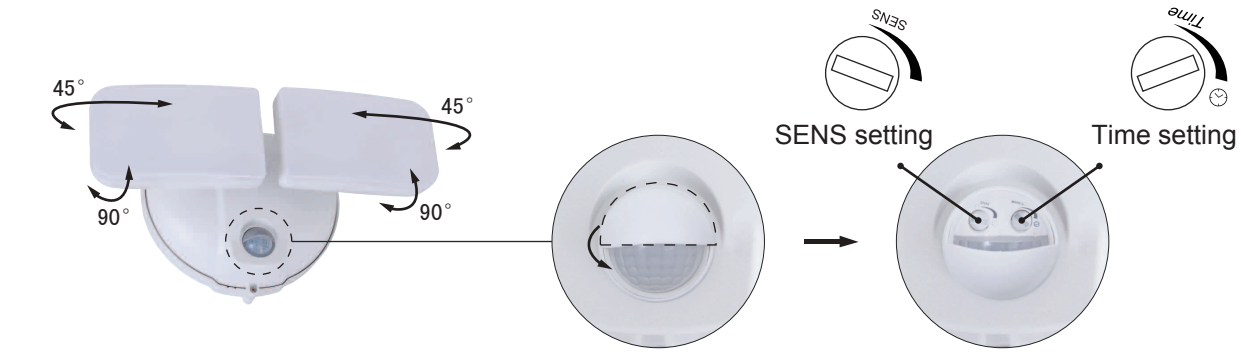


Functions of the Button

Mode“ON”: Light keeps 100% on 1st.Then if no signals being received for 10mins, light will keep 50% on. Once light receive signals, 100% will be on for another 10mins. Just like the delay time is 10mins.
Mode“AUTO”: Auto sense mode. Delay time and detection range are adjustable. Light control is <10lux.
If you set the delay time more than 20s, the light will be 50% on after 20s and be shut off after the setting delay time, such as 50s.
Mode“OFF”: Shut off the light.

Adjustment

1. In self test mode, both in daylight or night, light can be triggered on once receiving signals. The delay time is adjustable from 8s-40s.
2. After the 1st 10mins testing mode, the light will be out of the self testing mode. The SENS, Delay Time are adjustable. The LUX is always <10lux.



Switching the cover to choose the function you want to set.

Installation Notes

1. Installed by electrician or who has relevant experience.
2. Light should be installed on the stationary objects, don't choose unstable flat.
3. Don't install the light in the district where the air flow or temperature will change conspicuously.
   Such as: Air conditioner or heater.
4. There should be no obstacle which may influence the signal before the light.
5. Make sure the direction of the sensor face the area where people often go through.
6. Make sure the direction of the sensor face the light of the source, in order to get more accurate lux signal.
7. Don't touch the lens by cuspate, hard or dirty object.
8. Don't open the cover of the light without the instruction of the electrician if you find some problems.

Methods of excluding some common problems

- **The light is not on:**
  (a)Check if you connect the wire well;
  (b)The environment lux is exceed the setting lux.
- **The detection range is short:**
  (a)Pls confirm if the set detection range is too short;
  (b)Check if there is any obstacle in front of the sensor;
  (c)Check if the environment temperature is exceed the using temperature of the sensor;
  (d)Check if the signal is in the detection range;
  (e)Check if the installation height is within the required scope;
  (f)Check if the moving direction is right.
- **The light keeps on all the time:**
  (a)Check if there is continuous signal in the detection area; Such as: people keep moving in the detection area;
  (b)The set detection range is too long and there are some moving objects in the detection range;
  (c)The temperature around the sensor changes obviously; Such as: Air conditioner , heater. Shorter the detection range to solve this problem.

⚠ 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.

Our company always focuses on manufacturing high quality products. Some improper operations or failures of few components may lead no working of the products. Pls contact the manufacturers or retailers once the products are invalid. This instruction is complied accordingly to the present situation. Manufacturer will make notification if there are changes.