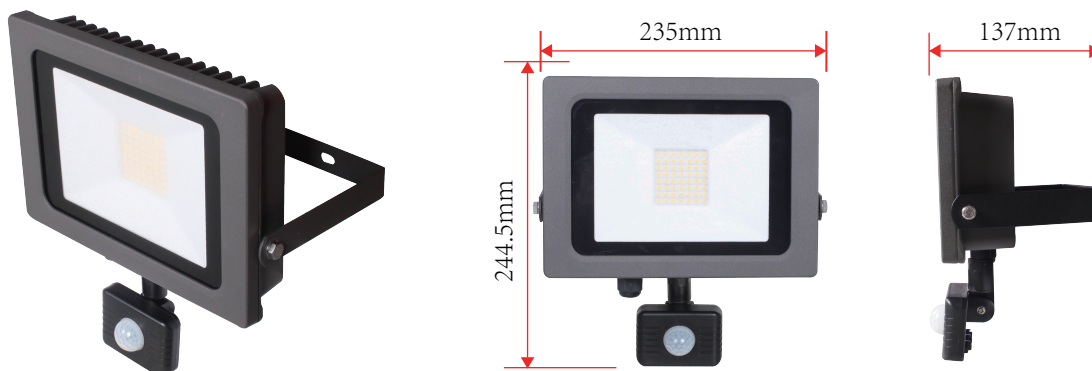




LXF-50W Infrared sensor LED floodlights Instruction



Packing list in	Quantity
LED Floodlight LEDS 56PCS	1X
 Φ6 Plastic expansion	2X
 4x30 Screw	2X

Summary

The product is a High-power cast LED sensor light; it adopts good sensitivity detector, integrated circuit and SMT. It gathers automatism, convenience, safety, saving-energy and practicality functions. The wide detection field is made up of up and down, left and right service field. It works by receiving human motion infrared rays. When one enters the detection field, it can start the load at once and identify automatically day and night; Its installation is very convenient and Its using is very wide.

Specifications

Power source: 220-240VAC

Power frequency: 50Hz

Rated load: 50w Max.

Time setting: 8s-9min (adjustable)

Light-control: <10LUX- >300LUX(Adjustment)

Detection range: 2-10m Max(24°C)

Detection angle: 120°

Working temperature: -10°C~+40°C

Working humidity: <93%RH

Installation height: 1.8m~2.5m

Standby power: <0.5W

Luminous flux: 4600lm

IP: 65

Function

➤Can identify day and night: the light control can be adjusted freely when it works. It can work in the daytime and at night when it is adjusted on the “sun” position (max); but it can only work in the light control less than 10lux when it is adjusted on the “moon” position (min). As for the adjustment pattern, please refer to the testing pattern.

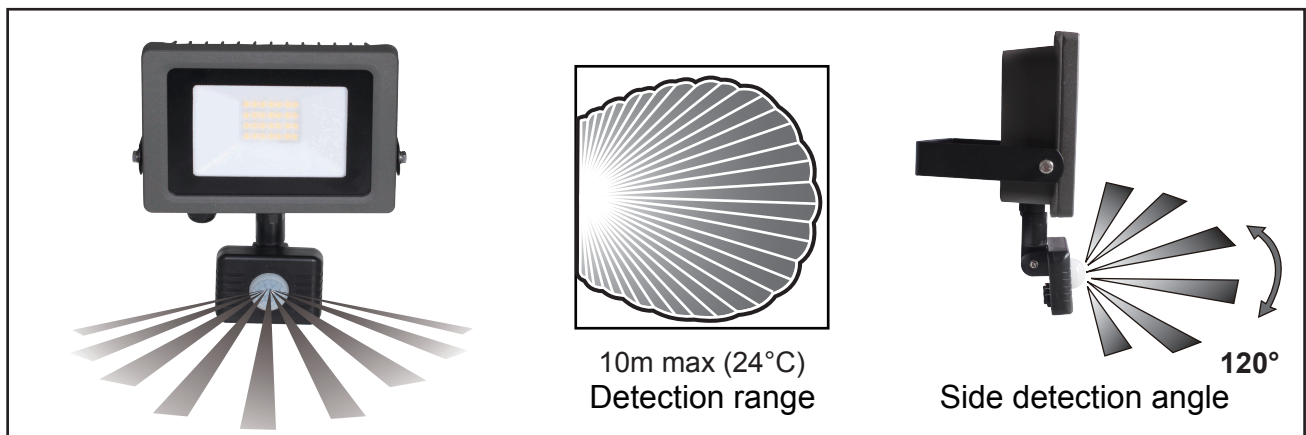
➤Time delay can be added continually: when it received the second induction signal after the first it will compute time once more on the rest of the first time delay basic.(Set time)

➤It can be defined in the range of 10~>300 LUX. To turn the knob fully clockwise is about 10 lux, fully anti-clockwise is

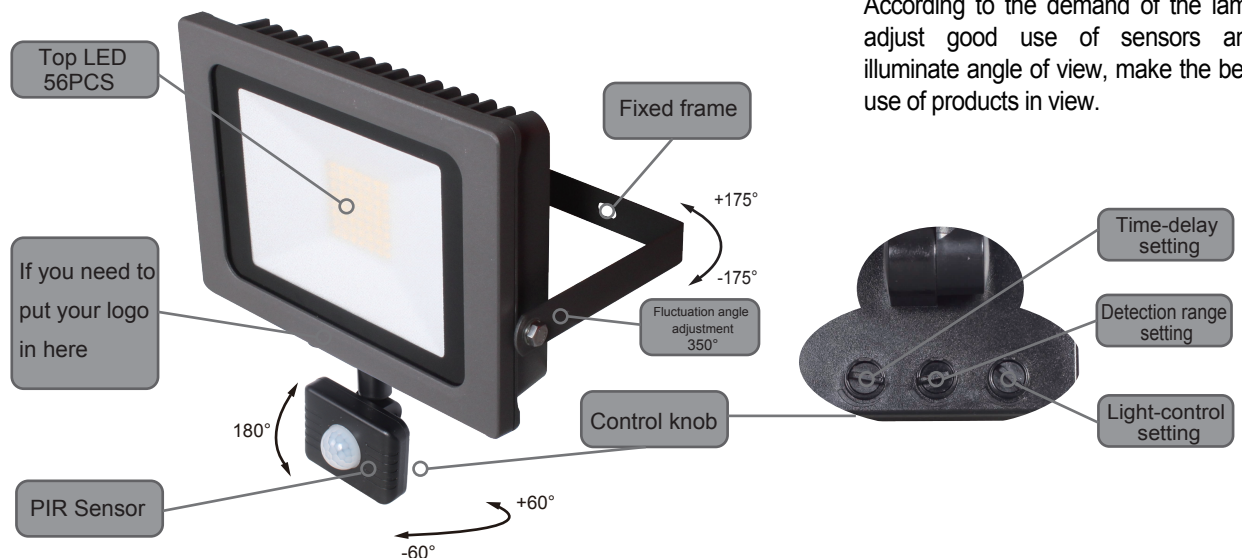
about 300 lux. When adjusting the detection zone and performing the walk test in daylight, you should turn the knob fully clockwise.

➤ It can be defined from 8 seconds (turn fully anti-clockwise) to 9 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.

Sensing information

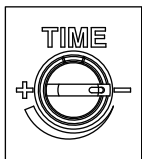


The name of each part



Setting manner :potentiometer

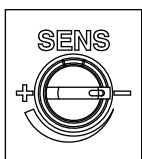
(1)Time-delay setting



It can be defined from 8 seconds(turn fully anti-clockwise) to 9 minutes(turn fullyclockwise). 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.

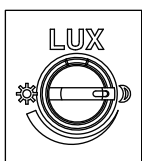
NOTE:When the light be auto off,it will take 3 seconds before the sensor is ready to detect another movement,that is,only signal detected later can the light be auto-on.

(2)Detection range setting



Turn clockwise to increase it and turn anti-clockwise to decrease it. It is 2-4m when turn to mini, and it is 10m when turn to max.

(3)Light-control setting



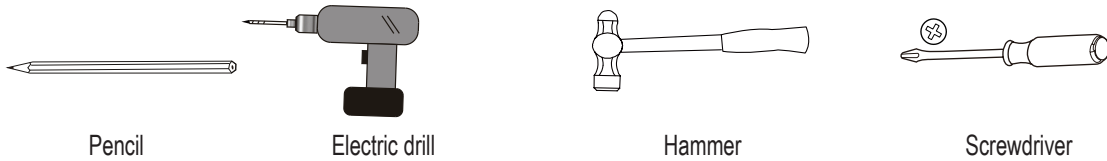
It can be defined in the range of 10~>300 LUX. To turn the knob fully clockwise is about 10 lux,fully anti-clockwise is about 300 lux.When adjusting the detection zone and performing the walk test in daylight,you should turn the knob fully clockwise.

Test

1. Time adjustment knob (TIME): The user can select the delay time according to the need, usually in the installation of measurement, the time adjustment knob (TIME) to a minimum, so that the installation inspection quick and easy. After installation can be 8 seconds ~ 9 minutes \pm 2 minutes arbitrarily selected lights out time, set the time and confirm the test time, the sensor head should be as far down as possible, so as not to move the front of the sensor signal, resulting in the set time is not quasi;
2. Illumination adjustment knob (LUX): The user can use this knob to select under what kind of ambient light (daytime to nighttime), the sensor enters the value of automatic induction lighting. Usually 3LUX is shown as night, 100LUX ~ 2000LUX should be daytime value. Therefore, the first time setting, the user can adjust the LUX knob according to their needs;
3. Sensitivity adjustment knob SENS (detection distance adjustment knob): The maximum detection distance of the sensor is the maximum distance of 10 meters when the ambient temperature is 24 $^{\circ}\text{C}$. If the ambient temperature is too high, the detection distance will be reduced. High sensitivity in winter and low sensitivity in summer, the user can adjust the SENS knob according to the size of the area to make the sensor automatically sense the distance required by the user.

Installation

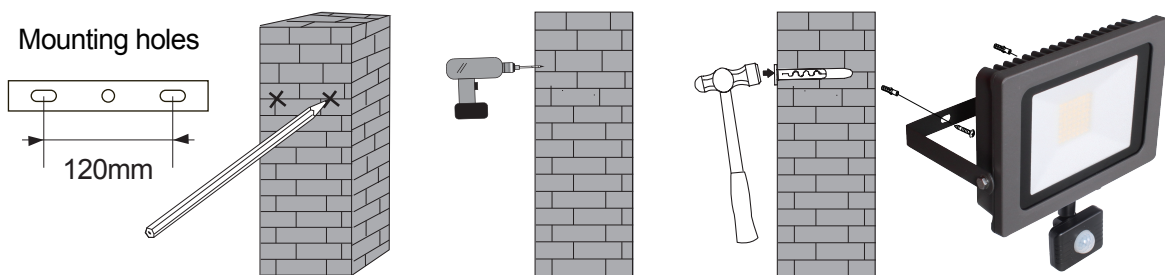
Note: Please bring the following tools.



Warning!

1. Please keep it away from the children.
2. This product can be installed for outdoor use, but we suggest that against rain/storm & High lights.

- Switch off the power;
- Screw off the nail on the bottom. Open the wire hole. The power wire and the load wire are bored in the bottom;
- Fix the bottom on the selected position with the inflated screw;
- Connect the power and the load with the connection-wire column according to the sketch diagram;
- Fix the sensor on the bottom, please screw the nail and switch on the power.



Warning!

Please confirm when shut off the power cord access.

Note

- Electrician or experienced human can install it;
- The unrest objects can't be regarded the installation basis-face;
- In front of the detection window there shouldn't be hinder or unrest objects effecting detection;
- Avoid installing it near air temperature alteration zones for example: air condition, central heating, etc;
- For your safety, please don't open the case if you find hitch after installation;
- In order to avoid the unexpected damage of product, please add a safe device of 6A when installing Infrared sensor, for example, fuse, safe tube etc.

Some problem and solved way

- **The load don't work:**
 - a. Check the power and the load;
 - b. If the load is good;
 - c. If the indicator lamp speed quicken after sensing;
 - d. Please check if the working light correspond to the light-control.

➤ **The sensitivity is poor:**

- a. Please check if in front of the detection window there are hinder that effect to receive the signals;
- b. Please check the ambient temperature;
- c. Please check if the signals source is in the detection fields;
- d. Please check the installation height;
- e. If the moving orientation is right.

➤ **The sensor can't shut automatically the load:**

- a. If there are continual signals in the detection fields;
- b. If the time setting is set to the longest;
- c. If the power correspond to the instruction;
- d. If the air temperature change near the sensor, for example air condition or central heating etc.



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.

For type Y attachments: If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

- **Please confirm with professional 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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