



**INSTRUCTION MANUAL**  
**SLF RANGE**  
**PIR LED FLOODLIGHT**



## 1. OVERVIEW

This product is an energy-saving automatic light switch that "turns on when people come, and turns off when people go". The LED human body sensor light uses the principle of infrared heat radiation of the human body and is designed with MCU (microcomputer control unit) circuit. The infrared detection method has the characteristics of intelligent induction and automatic switch. When a person enters the sensing range, it can be turned on automatically, and it can be automatically turned off after a person leaves.

## 2. FEATURES

- The human body sensor adopts pyroelectric infrared technology, built-in human body infrared sensor module, light effect sensor module, and delay switch module. Adopt industrial district-level chips, with large load capacity and strong anti-interference ability.
- When a person enters the sensing range, it can be automatically turned on, and after a person leaves, it can be automatically turned off with a delay. This eliminates the artificial waste of conventional lamps that are turned on or turned off by no one, and prolongs the service life of the lamps.
- It can automatically identify day and night, and the external environment illuminance at the beginning of work can be freely selected, so that it can work automatically at night and turn off during the day. Users can adjust by themselves.
- The detection distance is adjustable and can be adjusted according to the place of use.
- The light on time is adjustable, which can be adjusted by the user according to local conditions.

## 3. COMMISSIONING

- Sensitivity: adjust the knob "SENS" clockwise to increase the sensitivity, and the detection distance becomes longer, while the counterclockwise adjustment reduces the sensitivity and the detection distance becomes shorter.
- Working light-on time: adjust the knob clockwise to extend the light-on time of "TIME", and reduce the light-on time when adjusting the work counterclockwise.
- Light control: "LUX" is to adjust day or night work.
  - A: When adjusted to the sun position, the sensor works all day.
  - B: When the position of the moon is adjusted, the sensor will not work during the day and will automatically enter the working state at night.

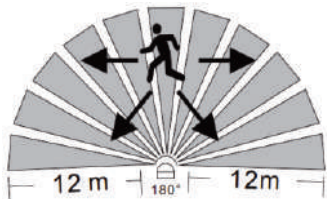
## 4. INSTALLATION

### 4.1. The installation wiring of the induction floodlight is as follows:

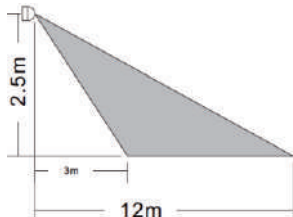
- A: The blue wire is connected to the mains neutral wire.
- B: The brown wire is connected to the mains live wire.
- C: Yellow-green wire Ground wire.

### 4.2. Schematic diagram of sensor installation distance

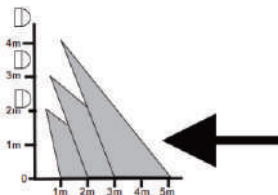
- A: Schematic diagram of lateral motion sensing distance.
- B: Schematic diagram of the sensing distance installed at this standard height.
- C: Schematic diagram of sensing distance installed at other non-standard heights.



A



B



C

### 4.3. Schematic diagram of sensor orientation adjustment

- A: The sensor head can be rotated 180 degrees in the vertical direction.
- B: The sensor head can be rotated 170 degrees in the horizontal direction.

### Precautions:

Avoid installing in areas with direct sunlight, airflow and temperature changes;  
Do not touch the detection window with sharp objects or rough contaminants.

## 5. SPECIFICATIONS

Function	Range		
Model	SLF10CW	SLF20CW	SLF30CW
LED Power	10W	20W	30W
LED Lumen	900Lm	1800Lm	2700Lm
Dimensions	150x182x55mm	230x230x55mm	230x235x55mm
Weight	480g	1.1Kg	1.2Kg
LED Type	SMD 2835		
Colour Temperature	4000K - Natural White		
Rated Life	30 000 Hours		
Voltage	200 - 240V AC		
Frequency	50/60Hz		
Power Factor	>0.9		
CRI	>70		
Beam Angle	120°		
IP Rating	IP54		
Detection Distance	2 to 12m (<24°C)		
Detection Range	180°		
Delay Time	5 seconds to 10 minutes (±2min)		
Ambient Light	2 to 2000 lux (Adjustable)		
Cable Length	30cm		
Installation Height	1.8m to 2.5m		
Temperatures			
Working	-20°C to 45°C		
Storage	-20°C to 45°C		
Working Humidity	<93%RH		

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