

# Solar LED light

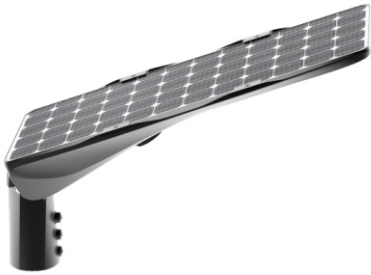
Date: ..... Location: .....

Product: .....Project: .....

Quantity: .....Catalog# .....



50/70W



50/70W



## SUITABLE APPLICATIONS

- Suitable for the remote area , no cables lighting
- Sidewalk lighting
- Roadway lighting
- Fence lighting
- Pathway lighting
- Campus lighting
- Park lighting
- Garden lighting
- Ramp lighting
- Boat dock lighting
- Farms & ranch lighting

## Features:

1. The lamp use integrated aluminum structure design, with best heat dissipation and long life time
2. Using LUXEON 5050 led chip, the whole lighting effect is up to 180lm/W
3. The lamp use integrated aluminum structure design, with best heat conversion efficiency, up to 24%
4. Using the most advanced MPPT tracking control technology to improve system efficiency and reduce costs;
5. It has functions of light control, time control, dimming, intelligent power saving;
6. Solar controller built-in lightning protection module;
7. Adopting advanced 32135 LiFePO4, Charging and discharging 2200 cycles, with more than 25 years life time.
8. 365 days uninterrupted power.
9. **Three control model:** Time control + light sensor control + motion sensor control

**Time control:** It can be divided into 5 time periods, which is more humane and energy-saving;

**Light sensor control:** When the evening comes, when the solar panel battery voltage is lower than 3V, the lamp will automatically turn on;

**Motion sensor control:** A motion-sensing energy-saving mode. When a moving object is sensed, the lamp will have 100% brightness; when no moving object, the lamp will be in a low-power and energy-saving state, with a brightness of 10%-100% (can be set)

## PERFORMANCE

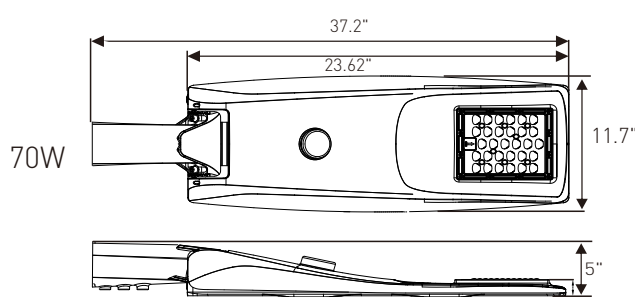
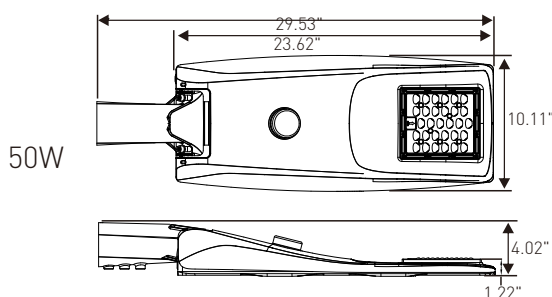
| Model NO  | Wattage | Battery       | Solar Panel                                                                 | Luminous flux(lm)<br>(Max) | Kelvin Options |
|-----------|---------|---------------|-----------------------------------------------------------------------------|----------------------------|----------------|
| LS-SLS50W | 50W     | 32135 LiFePO4 | 50W /18V monocrystalline silicon<br>(Life span of 25 years, 80% efficiency) | 4500LM                     | 5700K          |
| LS-SLS70W | 70W     | 32135 LiFePO4 | 70W /18V Monocrystalline silicon<br>(Life span of 25 years, 80% efficiency) | 7200LM                     | 5700K          |

## Electric Characteristic

| Specification/Model    | LS-SLS50W                                                                                           | LS-SLS70W                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Battery                | 32135 LiFePO4                                                                                       | 32135 LiFePO4                                                                                       |
| Beam angle             | 150x70°                                                                                             | 150x70°                                                                                             |
| Pole diameter          | 60MM                                                                                                | 60MM                                                                                                |
| Light output(Max)      | 50W                                                                                                 | 70W                                                                                                 |
| Luminous flux(lm)(Max) | 4500                                                                                                | 7200                                                                                                |
| Color Temperature      | Pure white:5000-6500K Neutral white:4000-4500K                                                      | Pure white:5000-6500K Neutral white:4000-4500K                                                      |
| Solar panel            | 50W /18V Monocrystalline silicon (Life span of 25 years, 80% efficiency)                            | 70W /18V monocrystalline silicon (Life span of 25 years, 80% efficiency)                            |
| CRI                    | 70                                                                                                  | 70                                                                                                  |
| Chip Brand             | LUXEON 5050                                                                                         | LUXEON 5050                                                                                         |
| LED Quantity(PCS)      | 30                                                                                                  | 30                                                                                                  |
| Control Model          | Time control + Light sensor control<br>+ Motion sensor control                                      | Time control + Light sensor control<br>+ Motion sensor control                                      |
| Operating time         | Full power >12 hours ,Intelligent mode 3-4 days<br>(Affected by local use environment and sunlight) | Full power >12 hours ,Intelligent mode 3-4 days<br>(Affected by local use environment and sunlight) |
| Material               | Die Casting Aluminum                                                                                | Die Casting Aluminum                                                                                |
| Lifespan(hrs)          | >20000                                                                                              | >20000                                                                                              |
| IP Rating              | IP66                                                                                                | IP66                                                                                                |
| Light body color       | Black/Grey                                                                                          | Black/Grey                                                                                          |
| Installation height    | 4~6M                                                                                                | 4~7M                                                                                                |
| Size(mm)               | L750*W257*H102 (L29.53*W10.12*H4.02 Inch)                                                           | L945*W298*H127 (L37.21*W11.73*H5.0 Inch)                                                            |
| Net Weigh(kg)          | 6.5                                                                                                 | 12                                                                                                  |
| Package Size(mm)       | L800*W295*H155 (L31.50*W11.61*H6.10 Inch)                                                           | L1000*W340*H185 (L39.37*W13.39*H7.28 Inch)                                                          |
| Package Quantity(Pcs)  | 1.0                                                                                                 | 1.0                                                                                                 |
| Gross Weigh(kg)        | 7.6                                                                                                 | 13.1                                                                                                |
| Warranty               | 2 years                                                                                             | 2 years                                                                                             |

| Default Mode  | Delay Time | Motion Brightness | No Motion Brightness |
|---------------|------------|-------------------|----------------------|
| TIME 1 (4hrs) | 5 seconds  | 100%              | 15%                  |
| TIME 2 (4hrs) | 3 seconds  | 50%               | 15%                  |
| TIME 3 (8hrs) | 3 seconds  | 30%               | 15%                  |

## Electric Characteristic



PRODUCT ORDERING GUIDE

LS - SLS 50W  
1 2 3

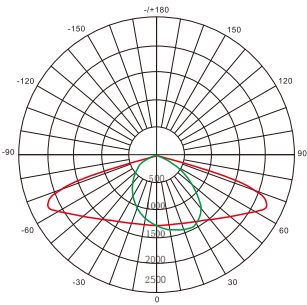
LS - SLS - 50W

☒ LS Company name

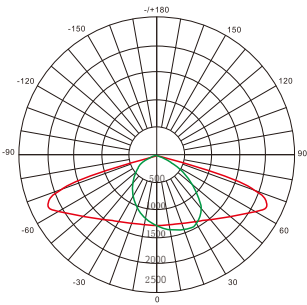
☒ SLS Solar LED light

☒ 50W PowerOutput

DISTRIBUTION DIAGRAM

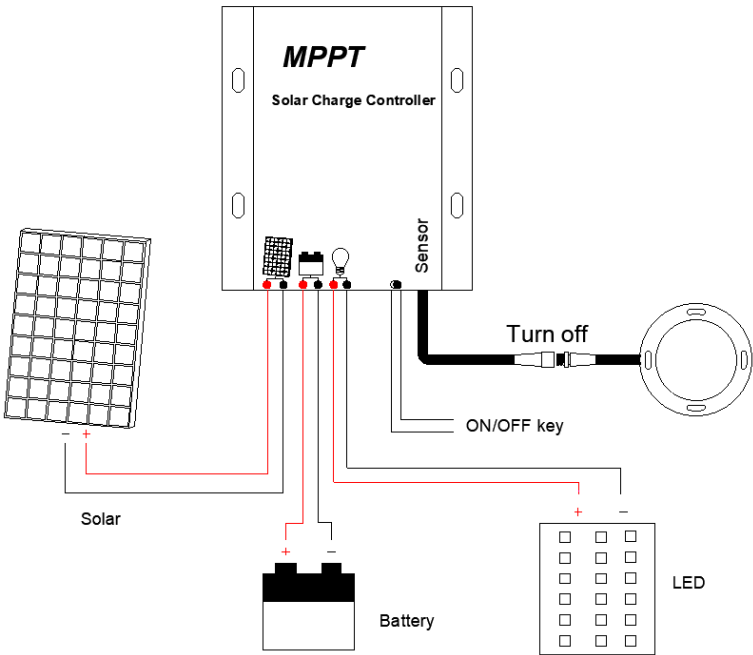


AVERAGE EMM ANGLE(50%): 130°  
TestNumber :LS-SLS50W  
Lumens:4500 LM  
TestNumber: 50W  
TestNumber:5700K  
UNIT:CD  
- C0/180, 157  
- C30/210,128.2  
- C60/240,87.5  
- C90/270,79.9



AVERAGE EMM ANGLE(50%): 130°  
TestNumber :LS-SLS70W  
Lumens:7200 LM  
TestNumber: 70W  
TestNumber:5700K  
UNIT:CD  
- C0/180, 157  
- C30/210, 128.2  
- C60/240, 87.5  
- C90/270, 79.9

Lamp internal wiring diagram:



9. Warning:

- 1. Do not install in high temperature, closed and non-ventilated areas;
- 2. The installation location should not be installed under the tree or the place where there are obstructions. The solar panel must be exposed to sunlight in all directions;
- 3. When the product is stored in the warehouse, it needs to be charged and discharged every 3 months;
- 4. When the product is faulty, you need to find a professional to deal with it;
- 5. Eliminate scrapped products, must be handed over to the relevant departments for Centralized processing.

## Installation Instructions

### Solar LED Street Light

#### User Instructions

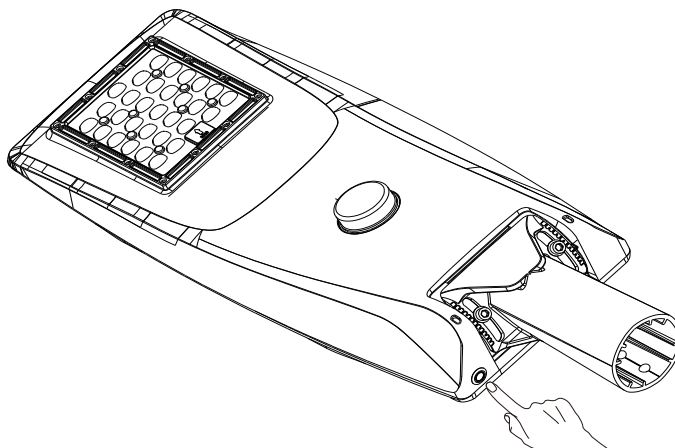
1. When open the package please assure that the light is perfect without any damage. If any damage is found, do not install the product.
2. The ambient temperature for storage is  $-25^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ . The ambient temperature for working is  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .
3. There are pc fittings for the light. It should be handled with care.

#### Installation Instruction

It is suggested that the LED street lights should be installed by specialized persons according to the instructions.

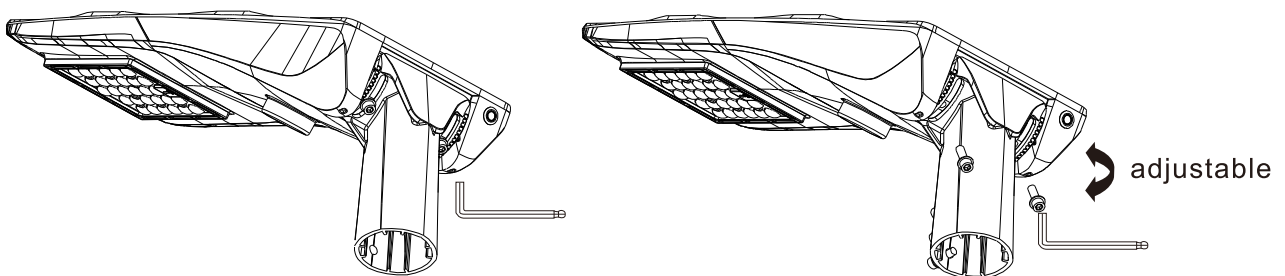
##### Step 1: Turn on the light

Press the button "on/off" with the hand can turn on the solar led street light



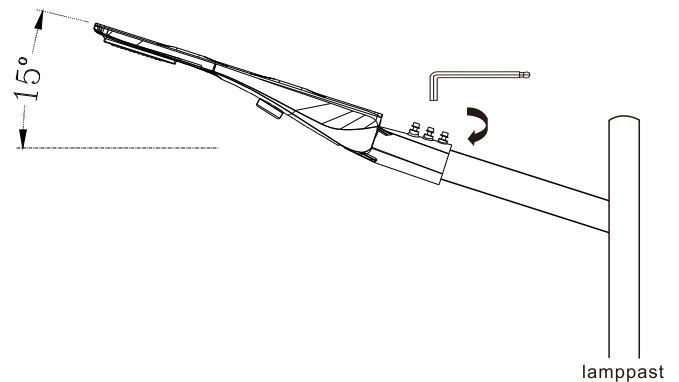
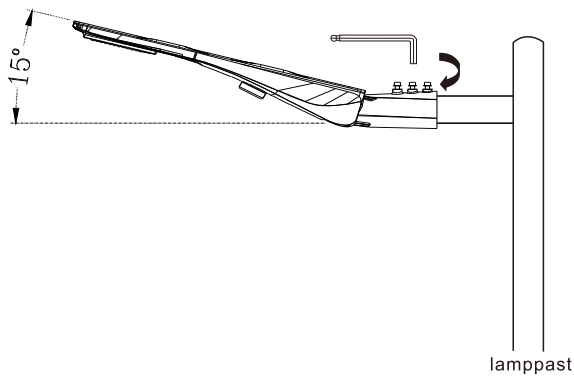
##### Step 2: Adjust the light angle

Torsion loose the two hexagonal screws of M8 on the street lights bracket, adjust the lamp angle as customer requested and then screw the hexagonal screws of M8 on the street lights bracket with wrench until Tightened

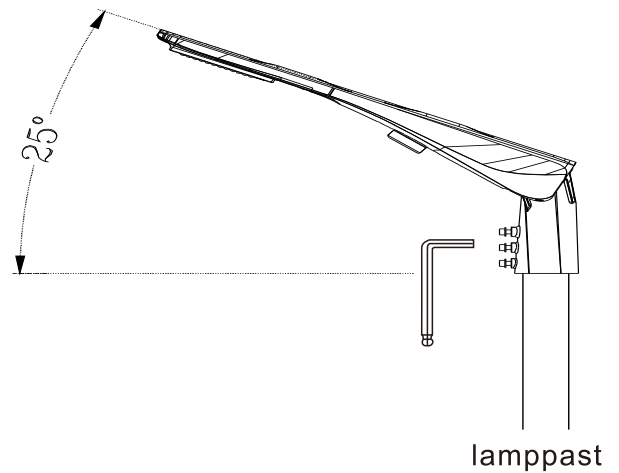
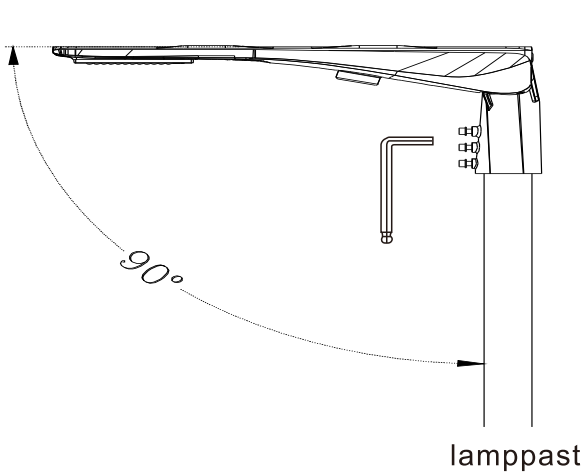


## Step 3: Fasten the light to the pole by the bolt

The pole diameter is 60/12mm and the length of connective part is 100-105mm. Torsion loose the three hexagonal screws of M8 on the top of bracket, fasten the light to the pole and then screw the hexagonal screws of M8 with wrench until Tightened.

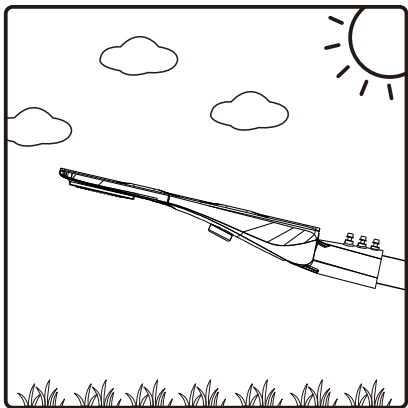


## Side entry mounted

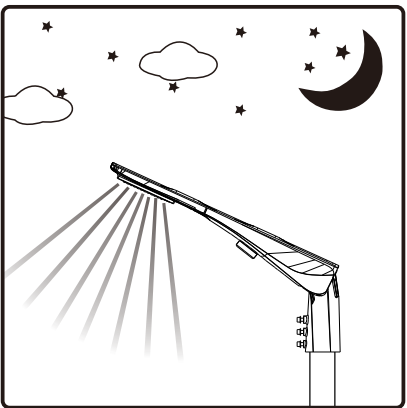


## Top mounted

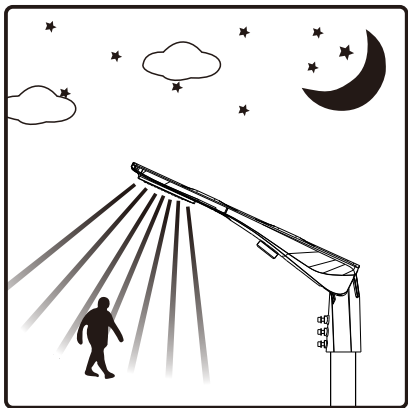
Step 4: You can see the indicator light flashes inside the microwave sensor, the lights will turn on at night Then the installation is done.



Solar panel charges in sunny daytime.  
Light works at night with the power stored by battery



When people leaves 8-10M away, after set times, the light will dim to set brightness



When people comes 8-10M near, the light will turn on with full brightness