# Solar LED light

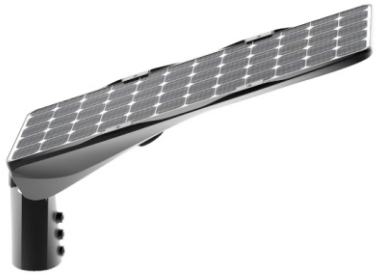
Date: _____ Location: _____

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) (Max) | Kelvin Options |
|---|---|---|---|---|---|
| LS-SLS50W | 50W | 32135 LiFePO4 | 50W /18V monocrystalline silicon (Life span of 25 years, 80% efficiency) | 4500LM | 5700K |
| LS-SLS70W | 70W | 32135 LiFePO4 | 70W /18V Monocrystalline silicon (Life span of 25 years, 80% efficiency) | 7200LM | 5700K |

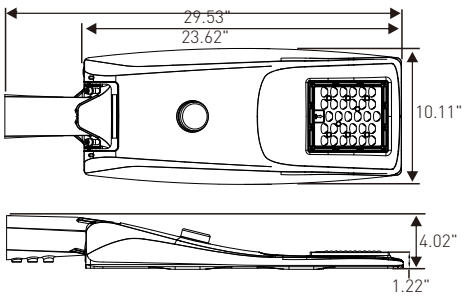
## Electric Characteristic

| 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 + Motion sensor control | Time control + Light sensor control + Motion sensor control |
| Operating time | Full power >12 hours ,Intelligent mode 3-4 days (Affected by local use environment and sunlight) | Full power >12 hours ,Intelligent mode 3-4 days (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 |

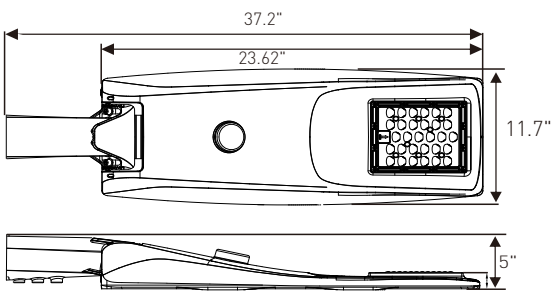
| Default Mode | Delay Time | Motion Brightness | No Motion Brightness |
|---|---|---|---|
| TIME 1 (4hrs) | 5 seconds | 100% | 15% |
| TIME 2 (4hrs) | 3 seconds | 50% | 15% |
| TIME 3 (8hrs) | 3 seconds | 30% | 15% |

## Electric Characteristic

50W




70W



LED SION
LIGHTING

## PRODUCTORDERINGGUIDE

LS - SLS 50W
1 2 3

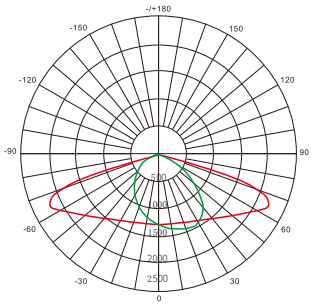
LS - SLS - 50W

☑ LS Company name

☑ SLS Solar LED light

☑ 50W PowerOutput

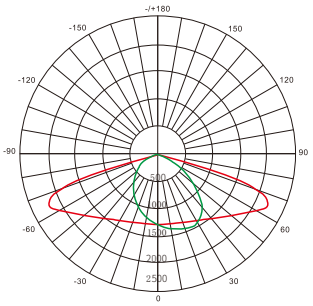
## DISTRIBUTIOND IAGRAM




AVERAGEB EAMA NGLE(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

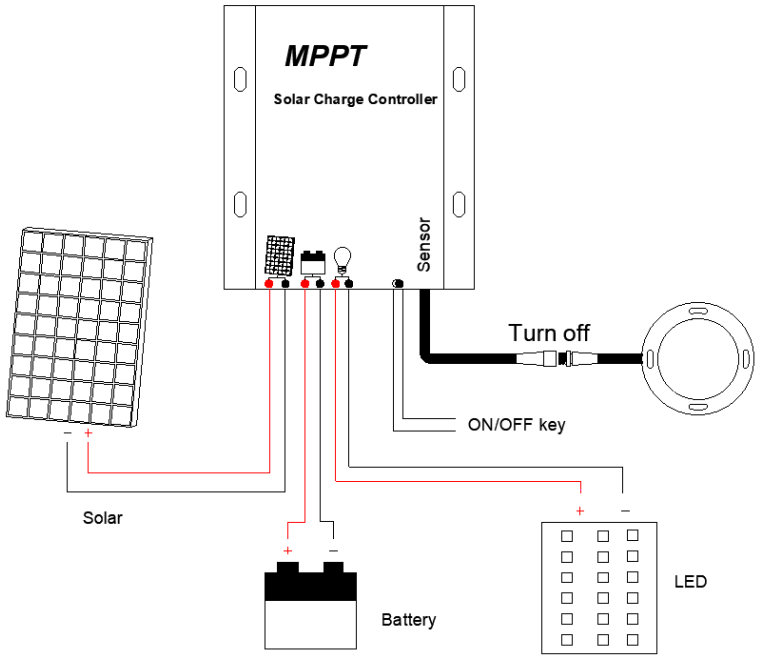



AVERAGEB EAMA NGLE(50%): 130°

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

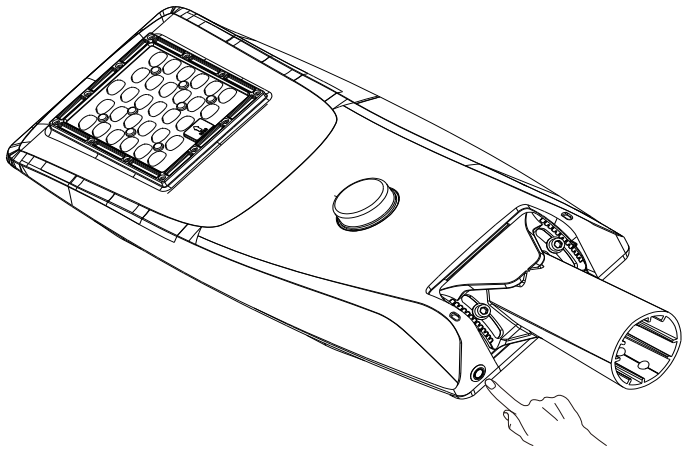
1.When open the package please assure that thelight is perfect without any damage. If any damage is found, do not install the product.
2.The ambient temperature for storage is -25℃-+60℃.The ambient temperature for working is -20℃-+50℃.
3.There are pc fittings for the light. It should be handled with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

### Installation Instruction

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

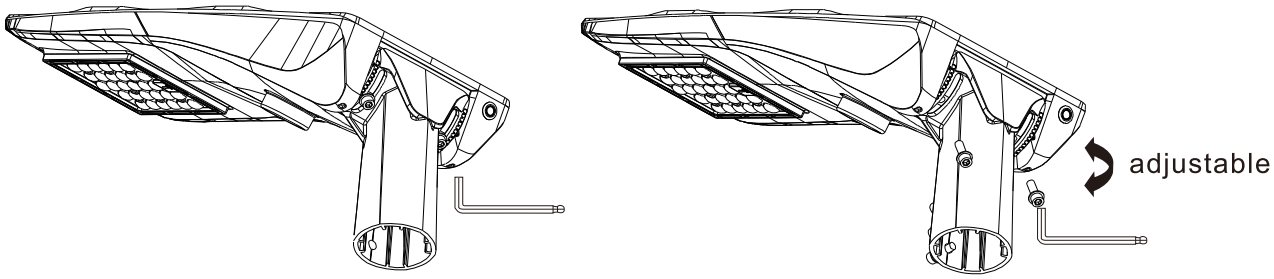
**Step 1:Turn on the light**

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



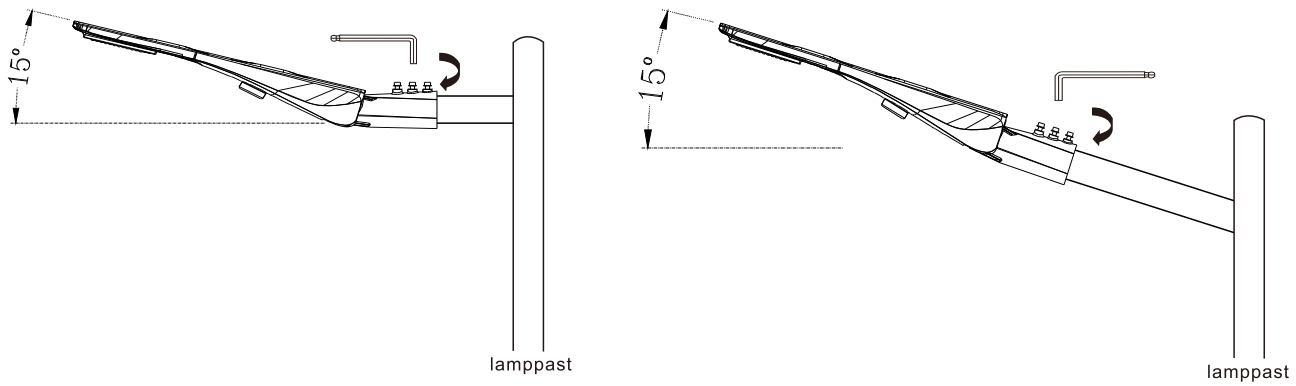
**Step 2:Adjust the light angle**

Torsion loose the two hexagonal screws of M8 on the stret 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 .

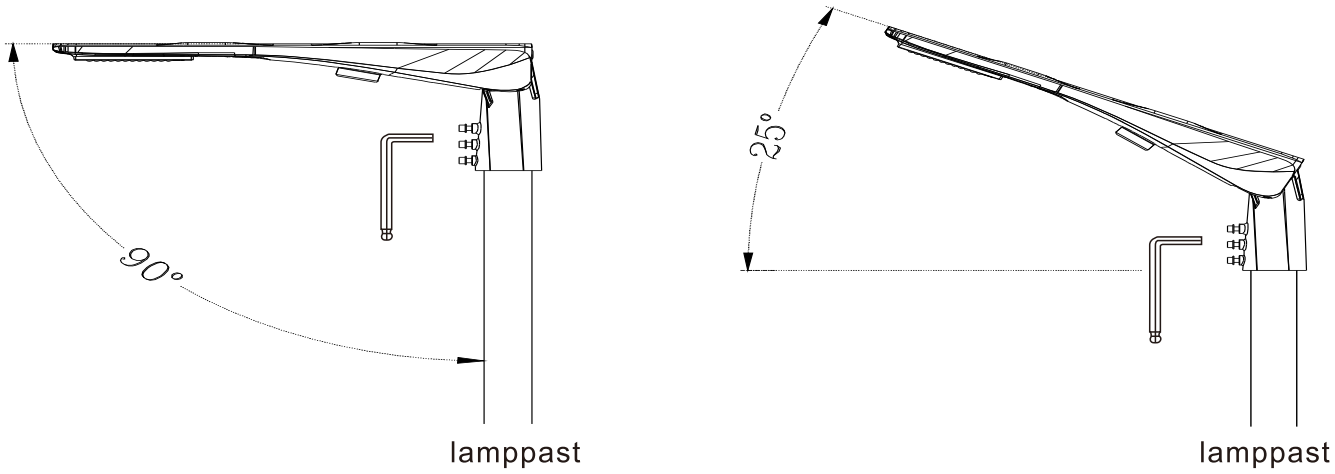


Step 3: Fasten the light to the pole by the bolt

The pole diameter is 6012mm and the length of connective part is 100-105mm.Torsion loose the three hexagonal screws of M8 on thetop of bracket ,fasten the light to the pole and then screw the hexagonal screws of M8 with wrench until Tightened.



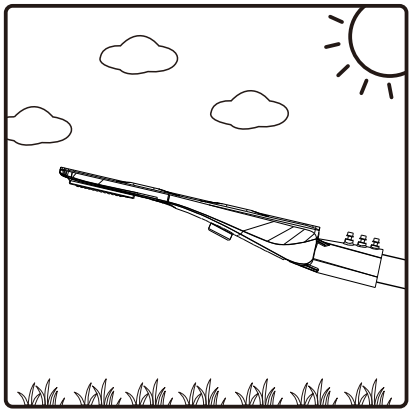

Side entry mounted



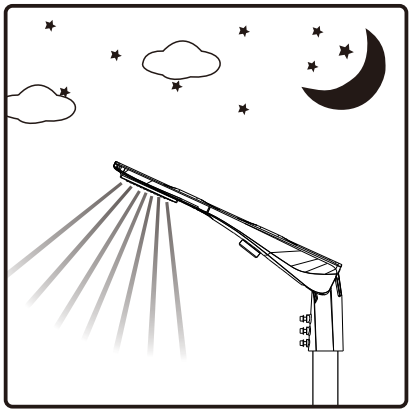

Top mounted

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.

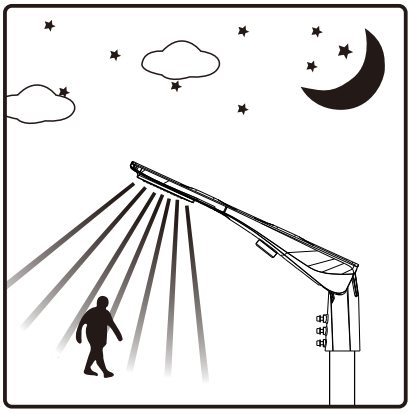
LIGHTING



Solar panel charges insunny daytime. Lightworks at night with thepower stored by battery



When people leaves8-10M away,after settimes,the light willdim to set brightness



When people comes8-10M near,the lightwill turn on with fullbrightness