



## 规格书 SPECIFICATION



产品名称

Product Name : Solar LED Street Light

产品型号

Part No: LY-ST31060XX (XX=PW、WW 、NW)

批准号码

Approval No : 20211008001

V1.0

Add: 3/F, No.2 Bldg, Zhen Bao Industry Park, Bei Huan Rd, ShiYan Town

BaoAn District, ShenZhen, Guangdong, China

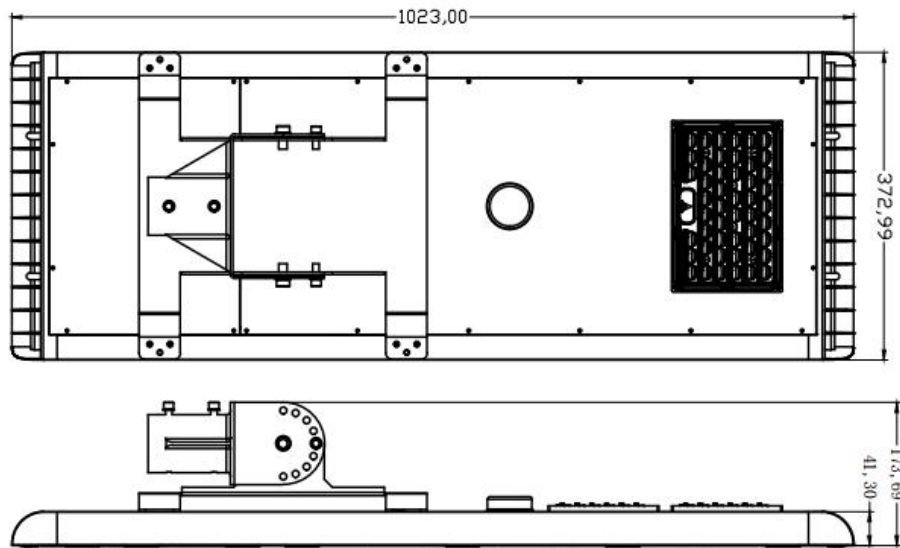
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找寻光的价值  
SEEK THE VALUE OF LIGHT!

# 1. Outlook



Unit: mm

## 2. Application

Suitable for the street lighting; Sidewalk lighting; Roadway lighting; Fence lighting; Pathway lighting; Campus lighting; Park lighting; Garden lighting; Ramp lighting; Boat dock lighting; Remote area lighting; Farm & Ranch lighting.

## 3. Features

1. The lamp adopts integrated structure design, with better heat dissipation design and longer life;
2. Using LUXEON 5050 lamp beads, the whole lighting effect is up to 200lm/W;
3. The solar panel is made of Monocrystalline silicon, with a higher conversion efficiency, up to 18%, and a service life of up to 25 years;
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 + morning light;
6. Solar controller built-in lightning protection module;
7. Using ternary lithium battery technology, the battery capacity is high;
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;

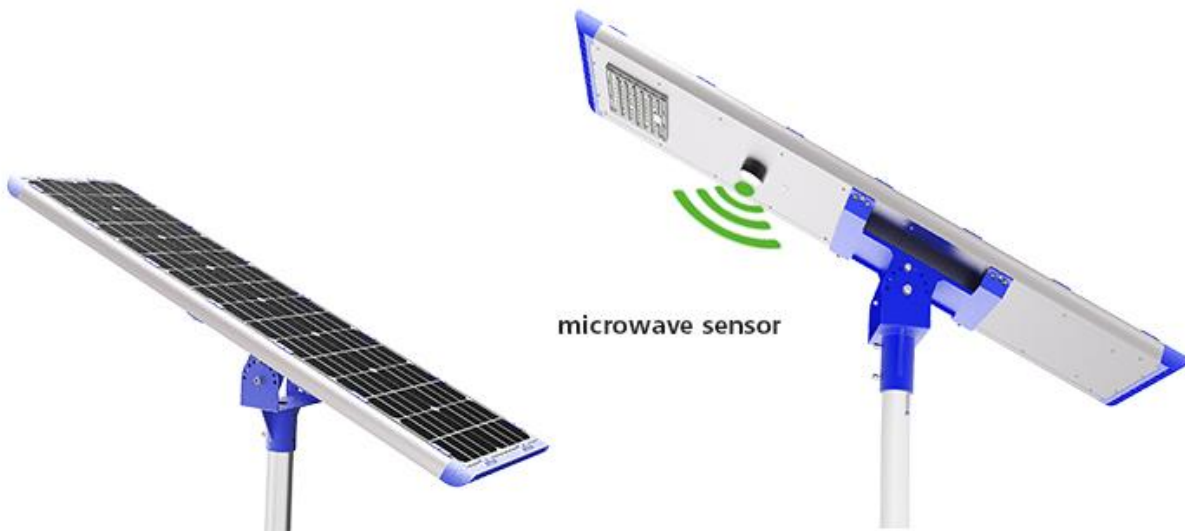
**Motion sensor control:** A motion-sensing energy-saving mode. When a moving object is sensed, the lamp will have 100% brightness; when no moving object is sensed, the lamp will be in a low-power and energy-saving state, with a brightness of 10%-100% (can be set)

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## THE INTELLIGENT CONTROL SYSTEM

Intelligent controller works with Microwave sensor,ensure the effective lighting.



## INTELLIGENT CONTROL SYSTEM

THE intelligent control system can operate without interruption,ensure the effective lighting.



Day



Without human body  
induction at night



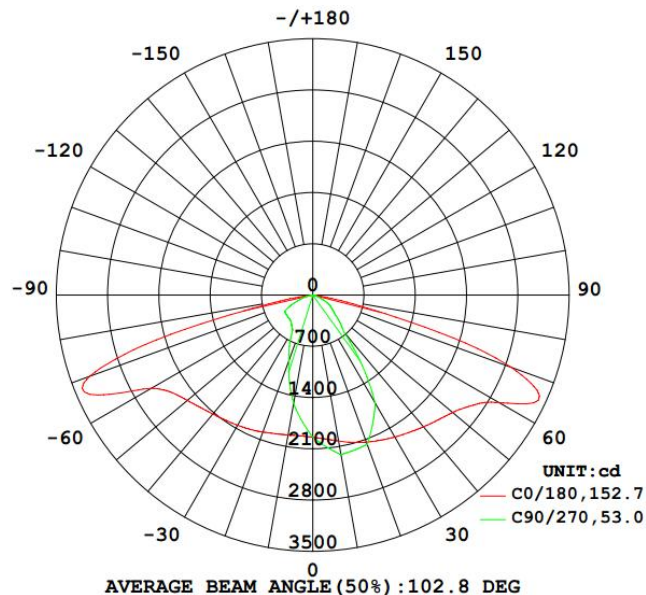
With human body  
induction at night

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## 4. Specification

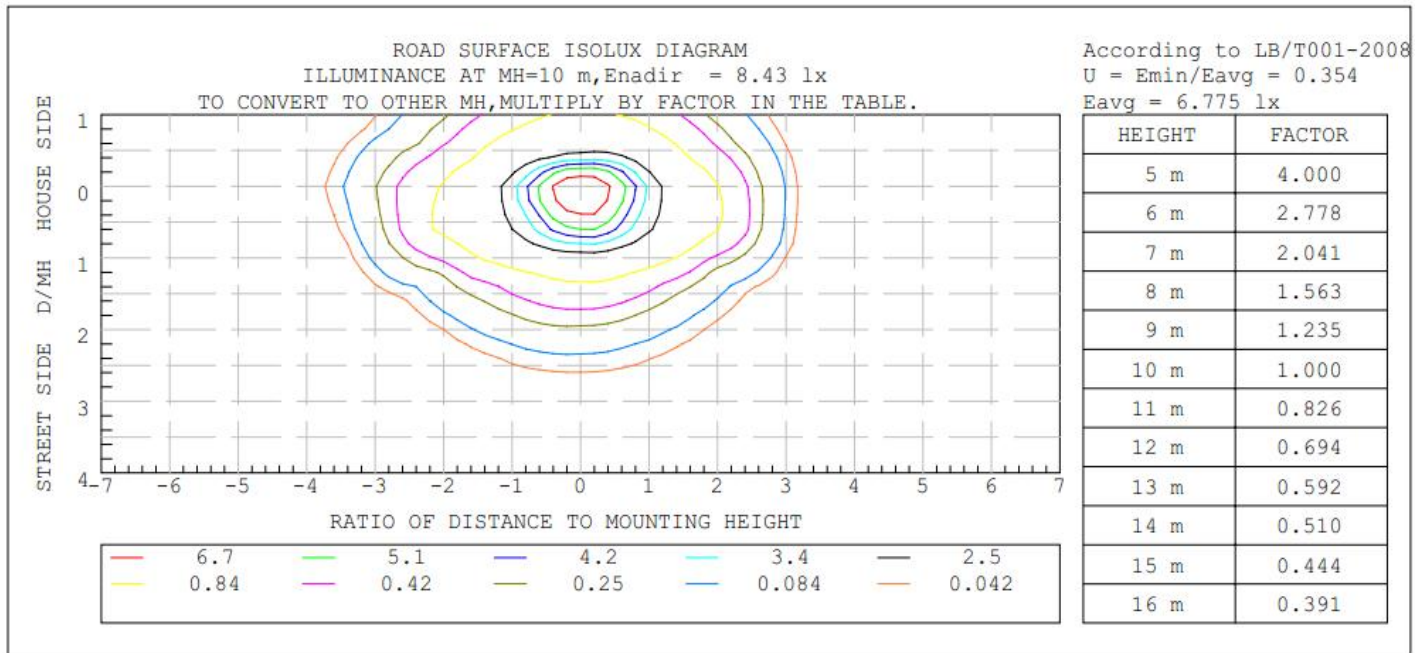
| Part Number               | LY- ST31060XX  |                       |                          |
|---------------------------|--|-----------------------|--------------------------|
| Parameter                 | XX=PW/WW/NW  |                       |                          |
| Battery                   | 32700 LiFePO4 12.8V 36Ah   |                       |                          |
| Beam angle                | 150x65°  |                       |                          |
| Pole diameter             | 60 / 76 MM   |                       |                          |
| Light output Max          | 60W  |                       |                          |
| Luminous flux(lm) Max     | 12000  |                       |                          |
| Color Temperature         | Pure white:5000-6500K  | Warm white:2700-3200K | Neutral white:4000-4500K |
| Solar panel               | 60W /18V Monocrystalline silicon (Life span of 25 years, 80% efficiency)                 |                       |                          |
| CRI                       | >70  |                       |                          |
| Chip Brand                | LUXEON 5050  |                       |                          |
| LED Quantity(PCS)         | 48   |                       |                          |
| Control Mode              | Time control + Light sensor control + Motion sensor control                              |                       |                          |
| Operating time            | >12 hours ,Intelligent mode 3-4 days<br>(Affected by local use environment and sunlight) |                       |                          |
| Material                  | Aluminum   |                       |                          |
| Luminous efficiency(lm/w) | >200   |                       |                          |
| warranty                  | Three years  |                       |                          |
| IP Rating                 | IP65   |                       |                          |
| Installation height       | 5~7M   |                       |                          |
| Size(mm)                  | Lamp Size :L1023*W373*H175mm (L40.28*W14.69*H6.89 Inch)                                  |                       |                          |
|                           | Solar Panel size: L971.0*W321.5*H4.0mm ( L38.23*W12.66*H0.16Inch)                        |                       |                          |
| Net Weigh(kg)             | 15.5   |                       |                          |

## 5. Distribution Curve



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## 6. Operation and Storage Condition

- Operation Ambient Temperature -10 to +45°C, Relative Humidity 20~90%
- Storage Ambient Temperature -10 to +35°C, Relative Humidity 5~95%
- Mounting Height: Suitable for 5~7m height

## 7. Package

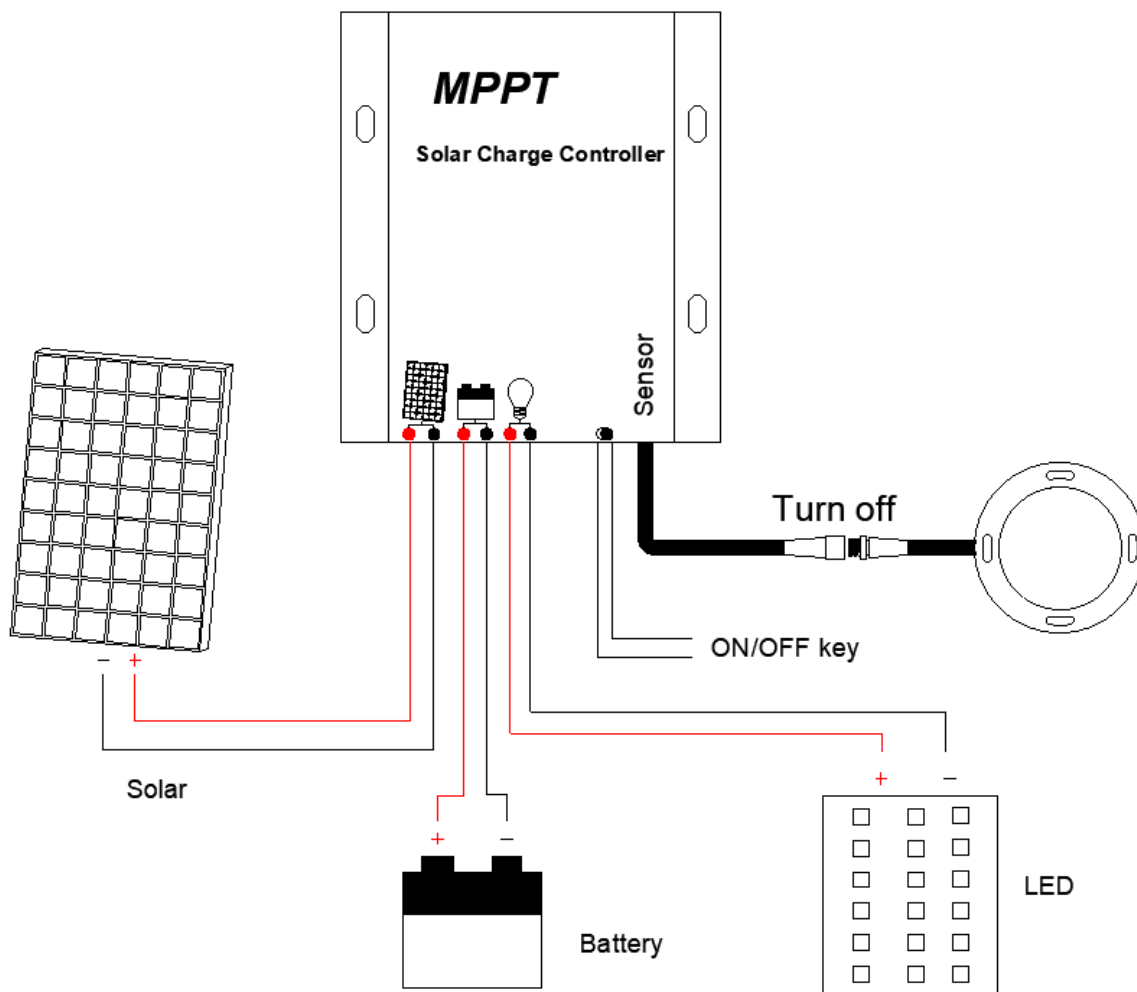
### Lamp body packing size:

| Par NO. | Size   | Net weight | Gross weight | Quantity |
|---------|--|------------|--------------|----------|
| Carton  | L1080*W190*H430mm<br>L42.52*W7.48*H16.93Inch | 23.2kg     | 24.9kg       | 2PCS     |

### Bracket packing size:

| Par NO. | Size   | Net weight | Gross weight | Quantity |
|---------|--|------------|--------------|----------|
| Carton  | L410*W290*H390mm<br>L16.14*W11.42*H15.35Inch | 7.6kg      | 8.28kg       | 2PCS     |

## 8. 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.