

# Solar Street Lamp



## User Manual

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No need electricity

Easy installation

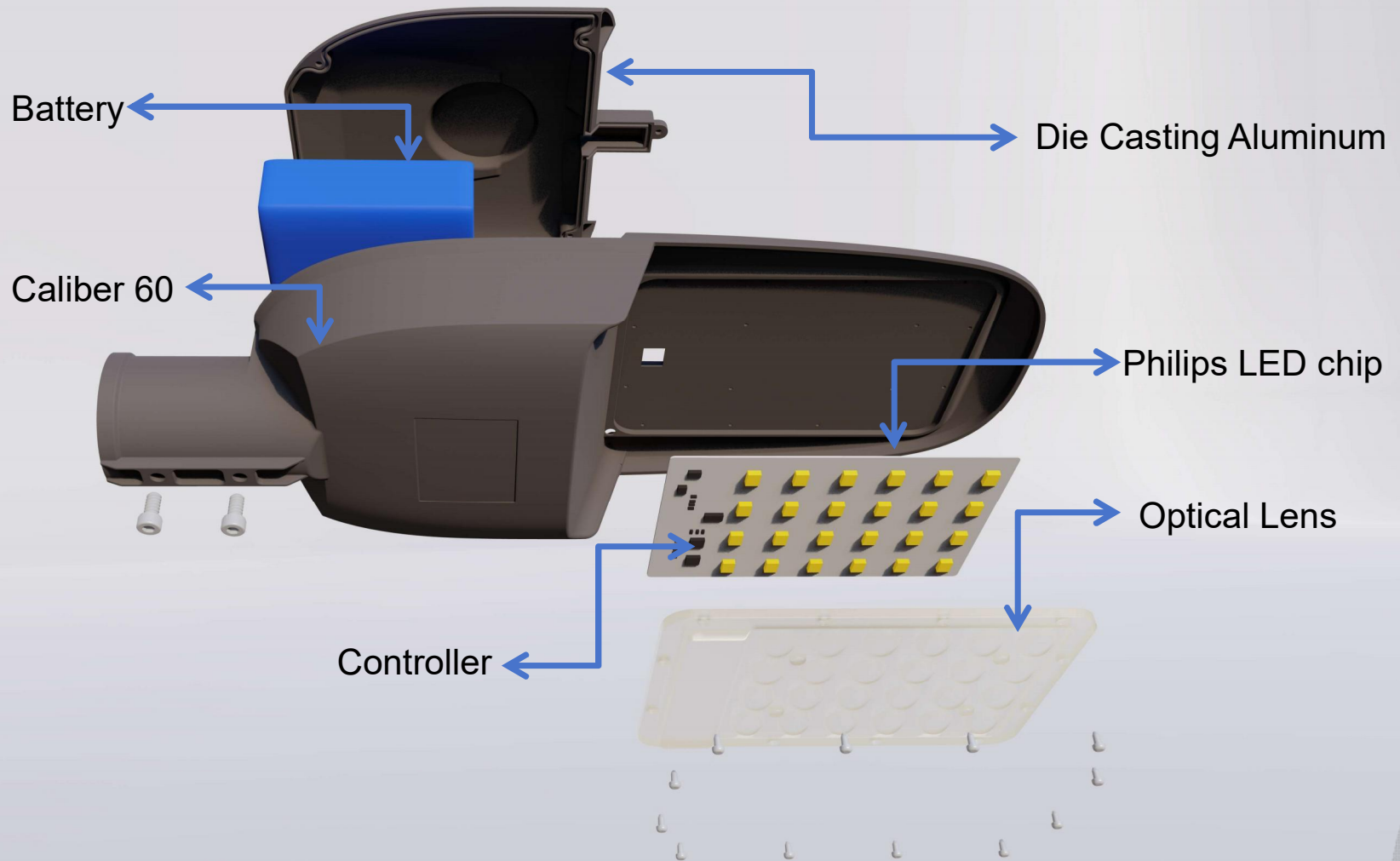
Longer lifetime

# Sincerely thank you for using Solar Street Light

Solar Street Light make full use of energy from the sun - mono solar panel with high efficiency, LED source, intelligent controller, lithium battery are all in one. It uses excellent practical control technology such as controller with micro radar sensor, human infrared induction/PIR sensor, etc., combined with a simple integrated structural design, perfect for achieving higher brightness and lower power consumption (average 15W power = 200W incandescent lighting ), Long lifespan and free maintenance, strong waterproof and heat dissipation, and easy installation at the same time. All the advantages make it the best patented product of our company.



# Product Introduction

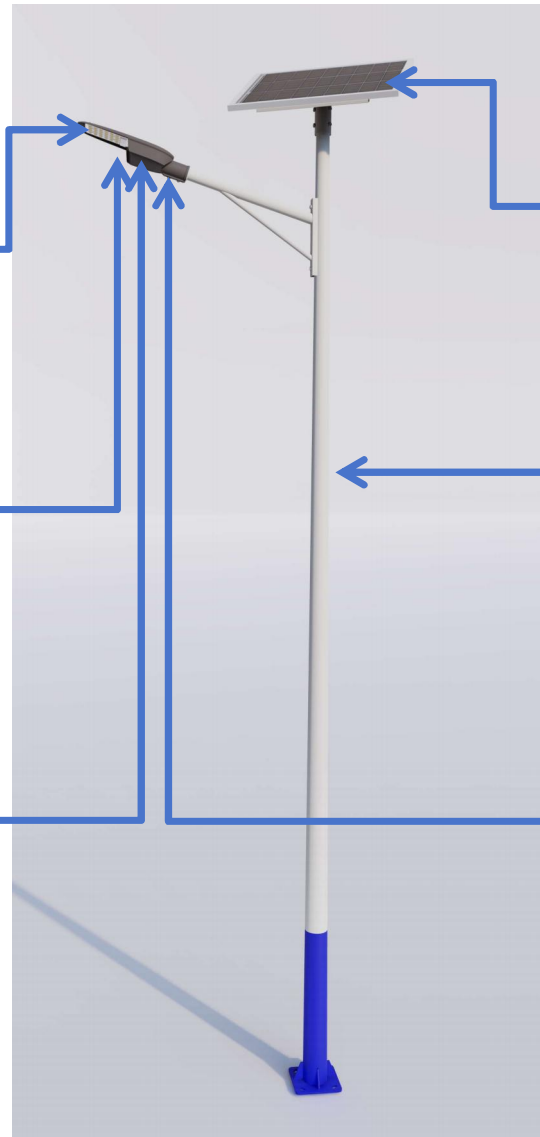


# Product DesCription

Imported highly efficient LED Chip with luminous efficiency 160-170lm/w with long life. LED Module angle is adjustable  $-15^{\circ}\sim+15^{\circ}$  with low dazzle, IP67. The adjustable angle guarantees best illumination effect.

Built-in replaceable intelligent controller. Light on-off is automatic by light control, time control is also available.

Battery module is replaceable, built-in automobile power lithium ion battery module is connected in series and multiple circuit by several consistent Grade A lithium battery cells. Over charging and discharging is protected by circuit board, plus protection box with IP65 level, the working life of battery is over 6 years.



High efficiency single crystal silicon solar panels, 19% replacement rate, more than 20 years of service life.

Static free spraying is adopted on surface treatment, which is better on adhesive force, corrosion resistance and aging resistant than painting. The spraying technology guarantees surface of products stable more than 3 years.

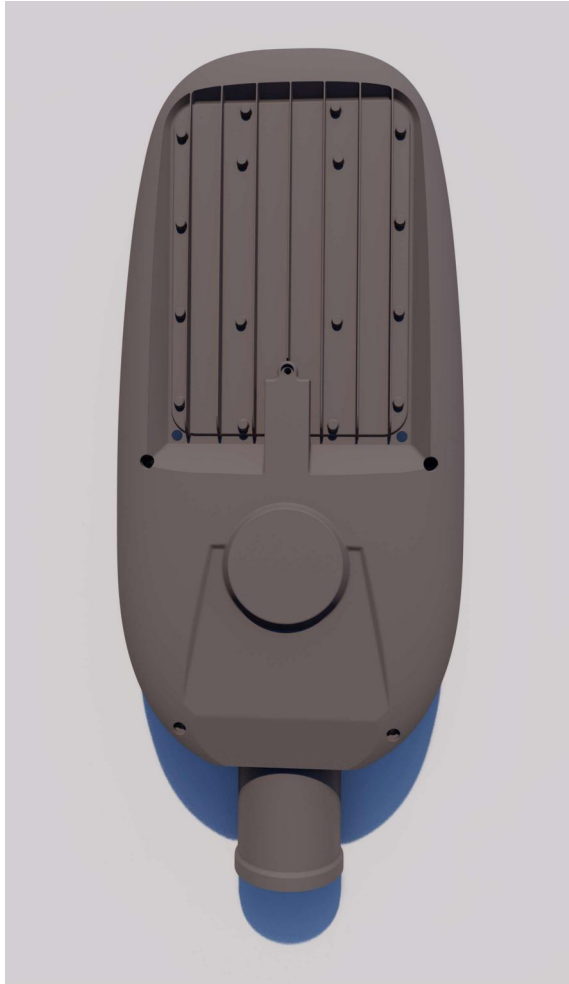
The caliber is 60mm casing. It uses 6063-T5 aluminum alloy, which is a kind of pressure die casting aluminum alloy, oxidant resistant even exposed to air long term, good performance of corrosion and impact resistance, it is the ideal load bearing part for luminaries.

# Parameters

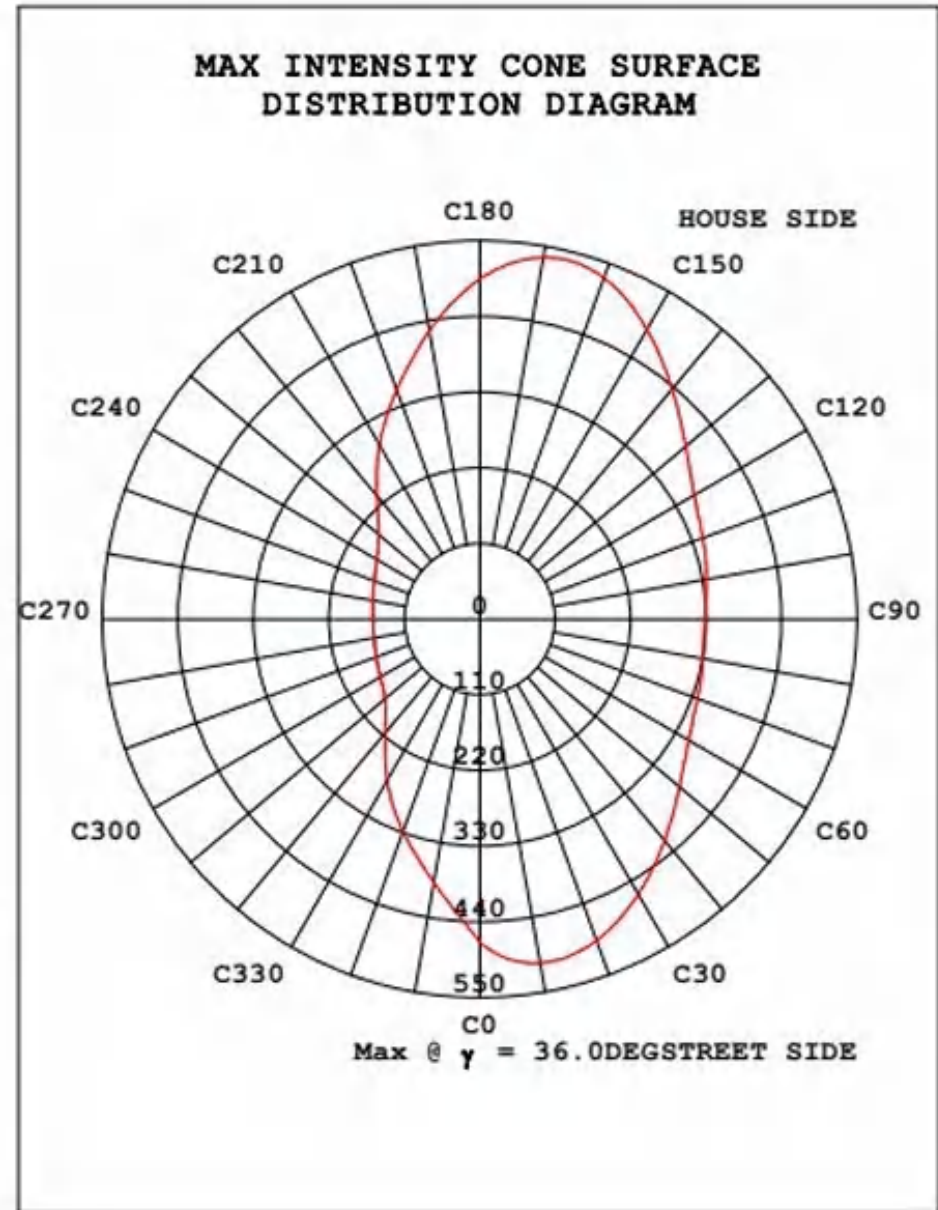
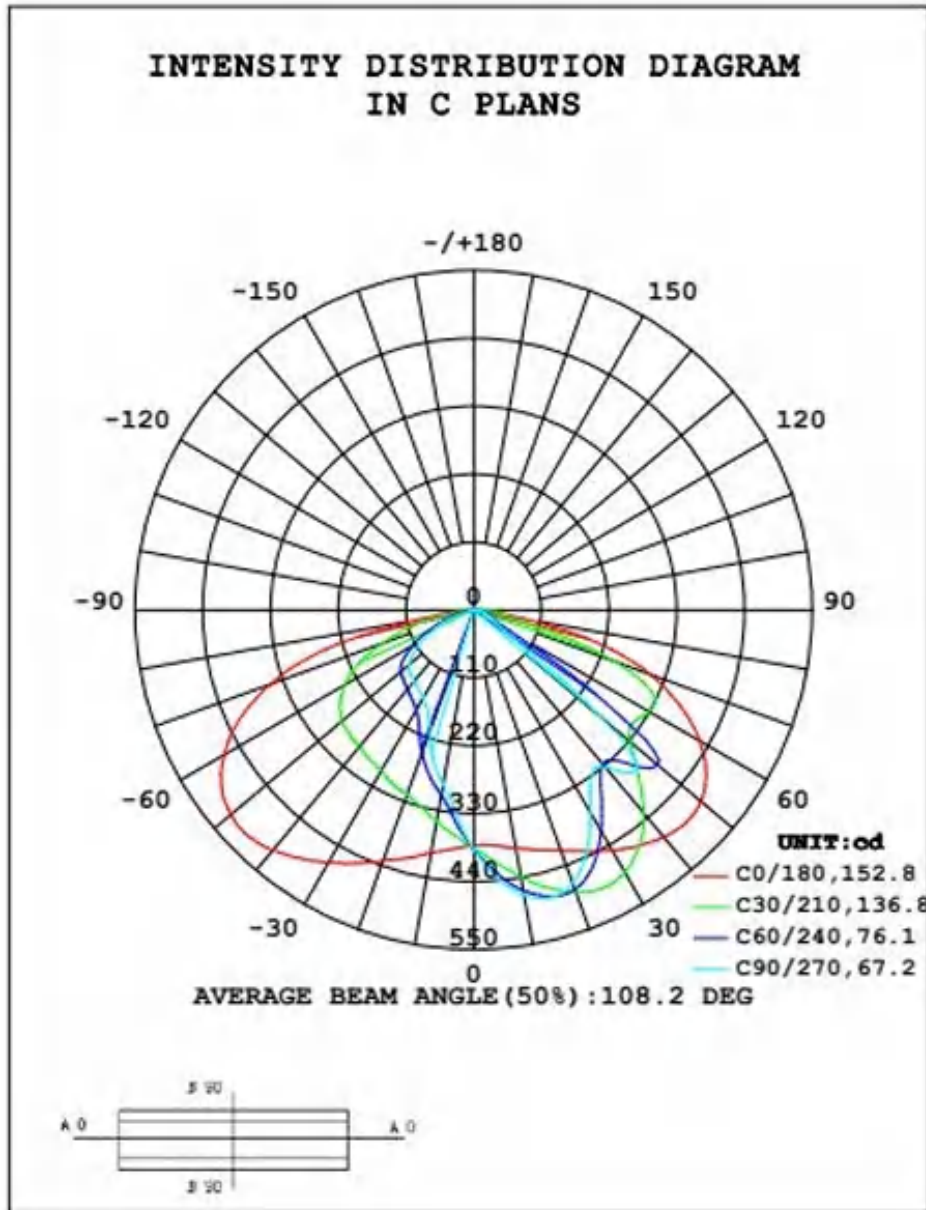
Model No	Revitalize No.2-60W	Revitalize No.2-120W
Light Source	60W	120W
Input voltage	30V	30V
LED Quantity	3030 Philips LED chips	3030 Philips LED chips
Solar Panel	Monocrystalline Silicon of 6V 90W	Monocrystalline Silicon of 18V 150W
Product Size	535*220*108mm	535*220*108mm
<b>Battery</b>	3.2V 90AH (Wotaitong 32700 battery)	12.8V 54AH (Wotaitong 32700 battery)
Net Weight	±6.5 KG(The light)	±6.5 KG(The light)
Lumen (lm/w)	140-150 lm/w	140-150 lm/w
Color Temperature	6000K	6000K
Working Time	> 12H	> 12H
Working under rainy days	3-5 days	3-5 days
Working Temperature	Charging: -20°C~+60°C	Charging: -20°C~+60°C
Mounting Height	6-7M	10-12M
Function	Light control+Time control	Light control+Time control

**\* Working time data is based on charging 8 hours in the sunny summer, measured in north latitude 22°, east diameter 13°. Actual working time may be changed due to different installation area, season, environment, direction etc.**

# Product Dimension



# Distribution Diagram

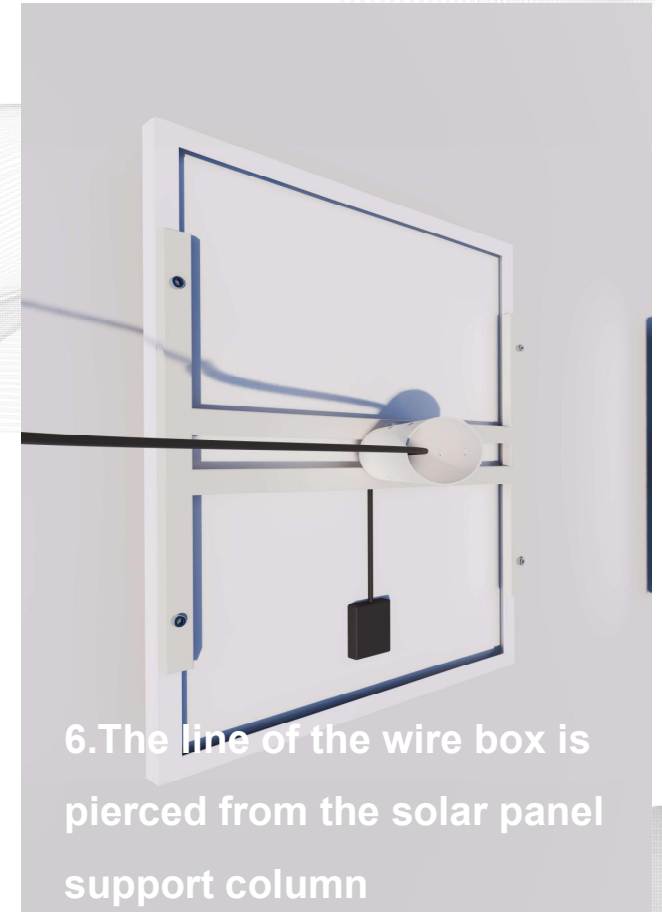
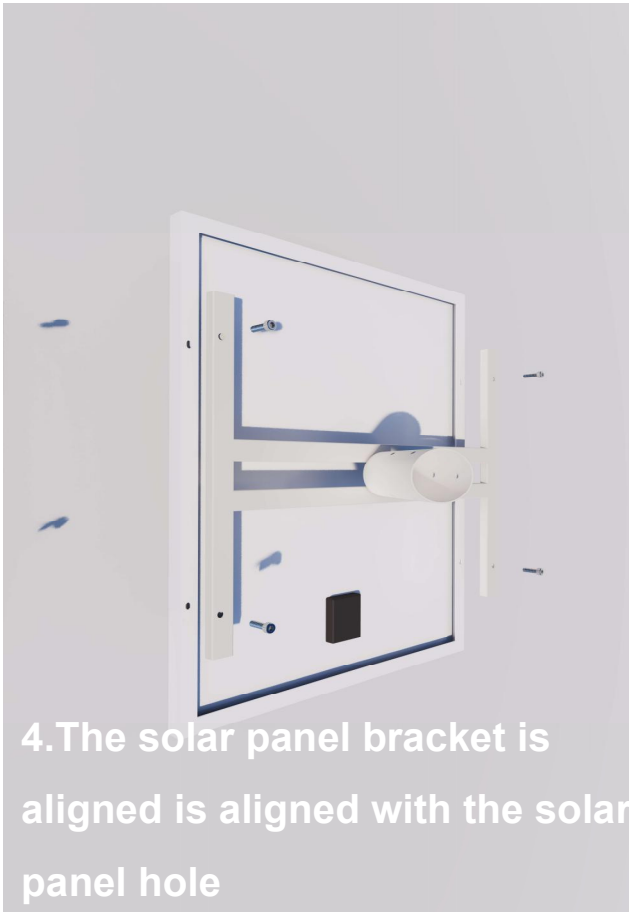


# Installation Steps

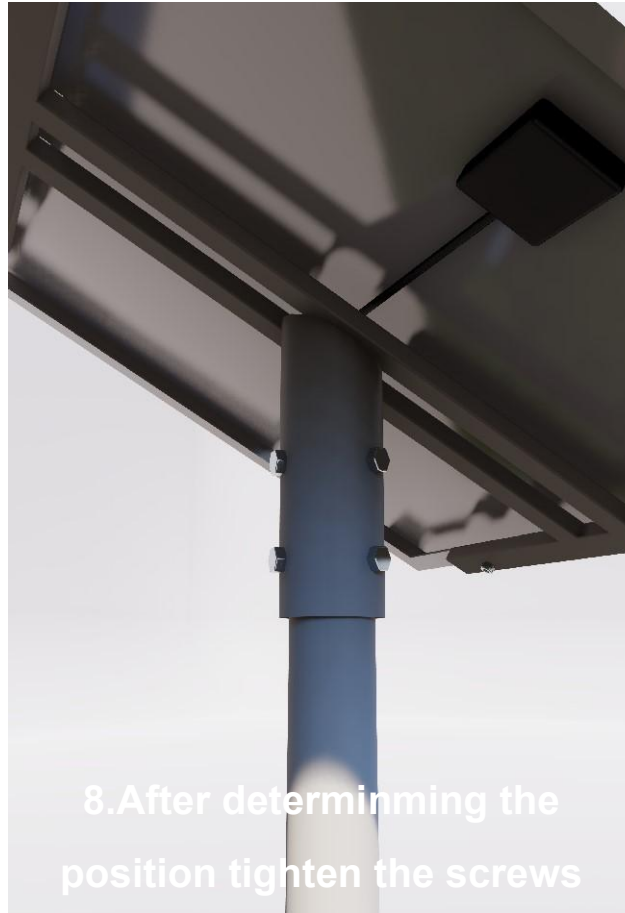




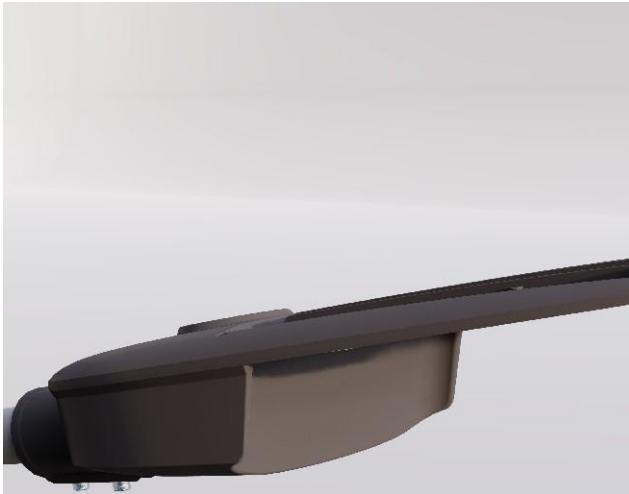
# Installation Steps



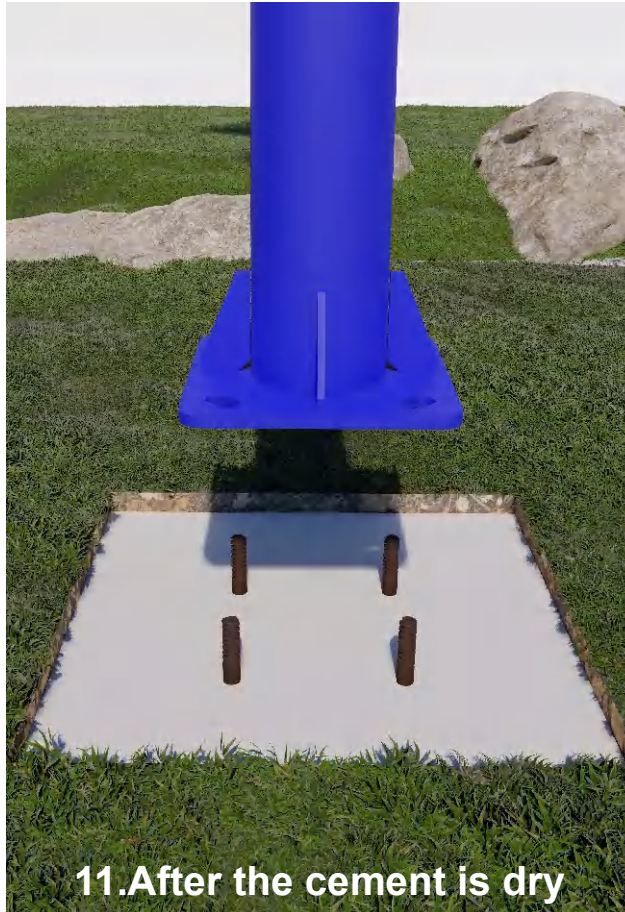
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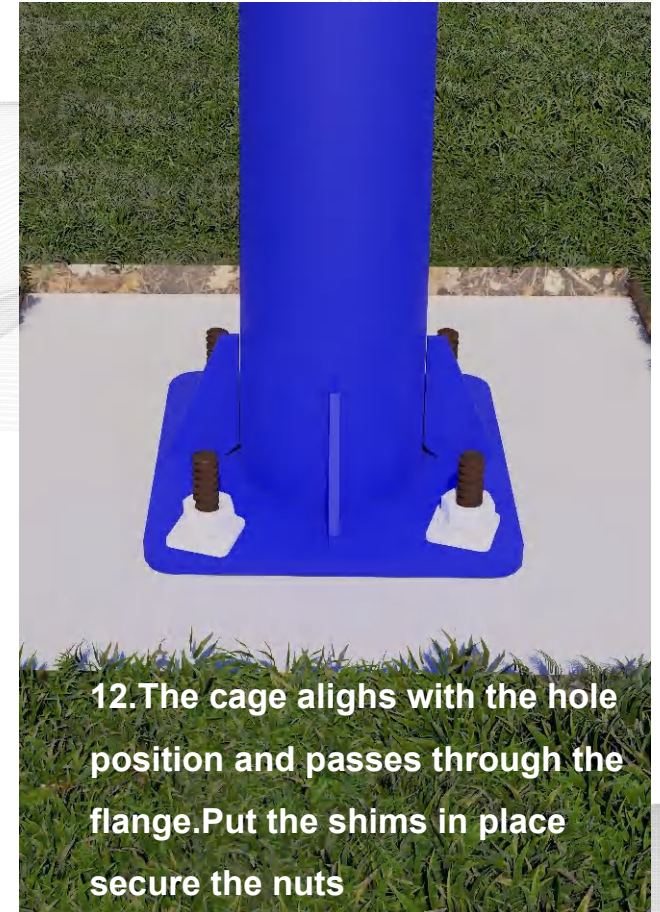
# Installation Steps



10. Install the lamp holder and thread the lamp holder into the lamp arm .Pass through the hole below the arm of the lamp and connected to the solar panel wire



11. After the cement is dry



12. The cage aligns with the hole position and passes through the flange. Put the shims in place secure the nuts

## Applicable Place & Installation Case

It is widely used in streets and roads, residential areas, scenic spots, parks, squares, private gardens and other public places.



# Attention Issues

(1) **“Solar street light” will not work without sun. Please choose the matched model according to the local Sunlight intensity or the total annual radiation of solar energy.**

(2) **“Solar street light” selects long life span lithium battery as energy storage device. Discharge condition at night is at temperature - 20°C ~ + 75°C, battery performance will be damaged beyond this range. Please make sure the local extreme temperature does not exceed the above condition when choosing the “All-in-one models” .**

(3) **“Solar street light” , after fully charged, the battery longest store time can be up to six months. Check the battery in time after long time transport or storage, charge and record it on a regular time. Otherwise, the battery will be damaged.**

(4)**When installing “Solar street light” , make the solar panel towards the direction of the sun as far as possible in order to get maximum energy and meanwhile avoid houses or the shadow of obstacles such as trees, otherwise it will reduce the generating efficiency of the solar panel, and due to a shorten working time.**

(5) **“Solar street light” , the clean-up performance of solar panel surface also affects the generating efficiency of the solar panel.**

**So its surface needs to be cleaned, such as dust, leaves, greasy dirt, etc., scrubbed with ordinary cleaner on a regular time is suggested.**

(6) **“ Solar street light” , its internal parts are with good waterproof design, all reach IP65 standard. Ventilation holes and cracks**

**on the shell are specially designed for the cooling and drainage. Metal parts are all made of corrosion resistant aluminum or Q235 steel, which can tolerate the strict environment of the sea or high heat and high humidity desert.**

# Maintenance

**(1) Solar controller is the core component of solar street lights, which has the function of light control, time control, charging and discharging, etc. Keep it dry in use, and do not touch the buttons at discretion. Malfunction must operate in professional instruction.**

**(2) Solar panel is the longest life span component in the solar street light, which can be used for 20 years. And in use if it doesn't rain for days, the surface of the solar panel will gather much dust, which will affect the power generating efficiency, need manual cleaning when necessary. Keep the solar panel towards the south, correct it timely if there is swing.**

**(3) LED light source has a long service life, general failure rate is extremely low. Dirt cleaning of the whole light source is needed when using 2 to 3 years in case the dirt resists electricity and reduce the brightness of lights.**

**(4) The battery itself has certain self-discharge, when the All In One Solar Light is not in use for a long time, please take out the light regularly for charging in the sun.**

## Product warranty

Product name: \_\_\_\_\_ Product Model: \_\_\_\_\_

Factory Number: \_\_\_\_\_ Date of production: \_\_\_\_\_

Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_

Address: \_\_\_\_\_

Producer's stamp: \_\_\_\_\_ (stamped and effective)

Customer's name: \_\_\_\_\_ Contact information: \_\_\_\_\_

Customer's address: \_\_\_\_\_

Guarantee content: \_\_\_\_\_ After sales: \_\_\_\_\_

Customer Sign: \_\_\_\_\_ Satisfied Dissatisfied

Guarantee content: \_\_\_\_\_ After sales: \_\_\_\_\_

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Guarantee content: \_\_\_\_\_ After sales: \_\_\_\_\_

Customer Sign: \_\_\_\_\_ Satisfied Dissatisfied

### Warranty terms:

During the warranty period, if there is malfunction under the normal use in accordance with the operating instructions (judged by the company official staff), product will be free repaired. During the warranty period, any one of the following cases must charge for repair.

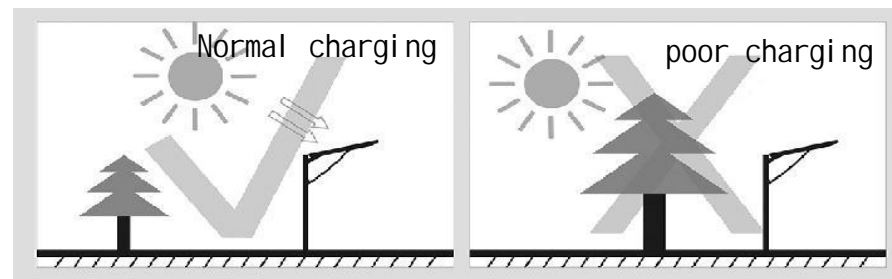
- Can not provide the letter of guarantee and valid proof of purchase.
- Malfunction and damage caused by wrong use and improper personal repair.
- Malfunction and damage caused by transport, move, drop after purchasing.
- Malfunction and damage caused by other inevitable external factors.
- Damage caused by using the unspecified power and voltage.

Product appearance, vulnerable products and accessories are beyond the scope of the warranty.

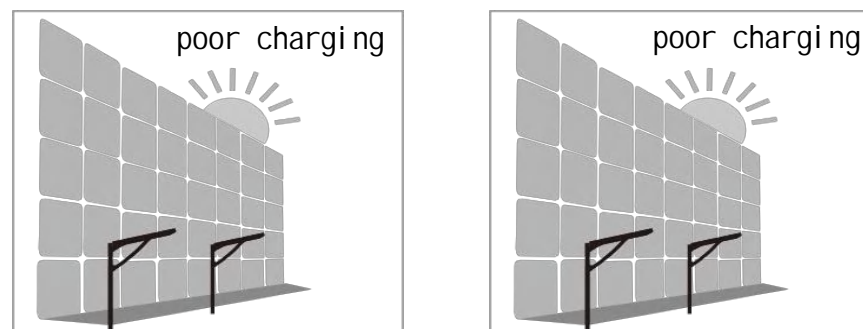
we make the above guarantee only, no any other express or implied guarantee(including merchantability, and application of a certain rationality and adaptation of implied warranty), whether in contract, civil negligence, or other aspects, our company will not take any responsibility to any special, incidental or consequential damages.

## installation instructions

### Attention issue 1:



### Attention issue 2:



Please choose a place where is full of sunlight and can be completely exposed to the sun. Notice that the solar panels must not be covered, and must be exposed to the sun.

### After sales service telephone

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