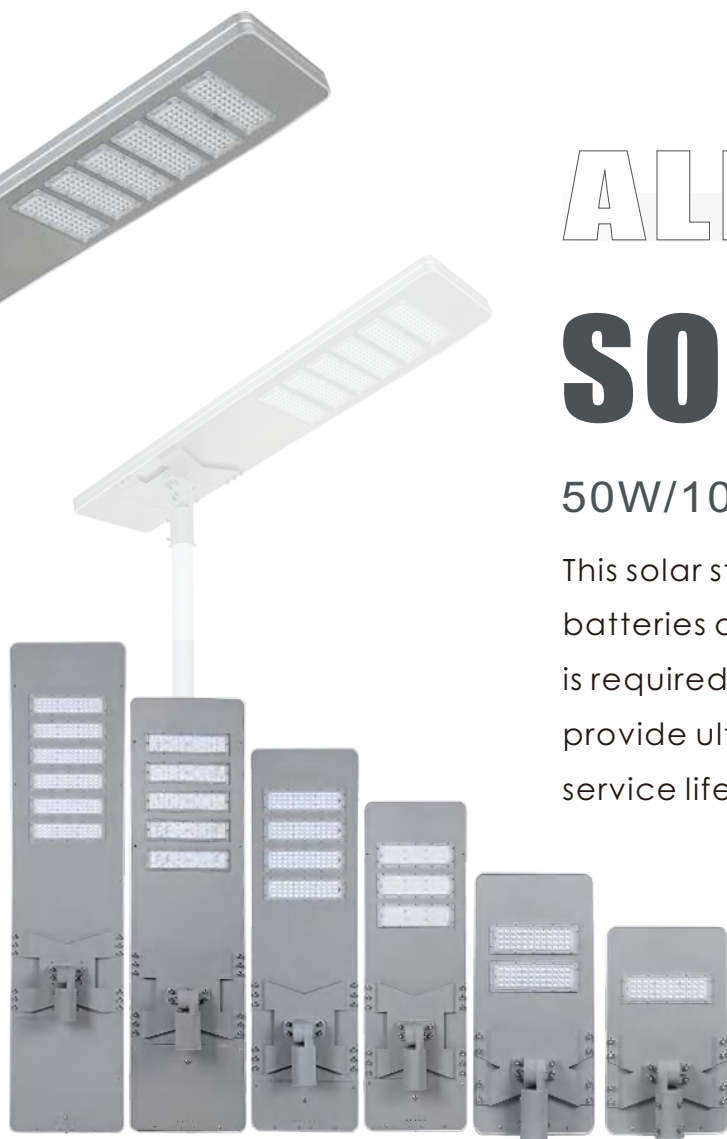




# ALL-IN-ONE SOLAR STREET LIGHT

50W/100W/150W/200W/250W/300W

This solar street light is characterized by an integrated design. Light engines, batteries and solar panels are all installed in LED luminaires. No power supply is required, eliminating the need for wiring and trenching. Solar street lights provide ultra-bright lighting, covering an area of up to 80°, and have a longer service life to keep your perimeter safe.



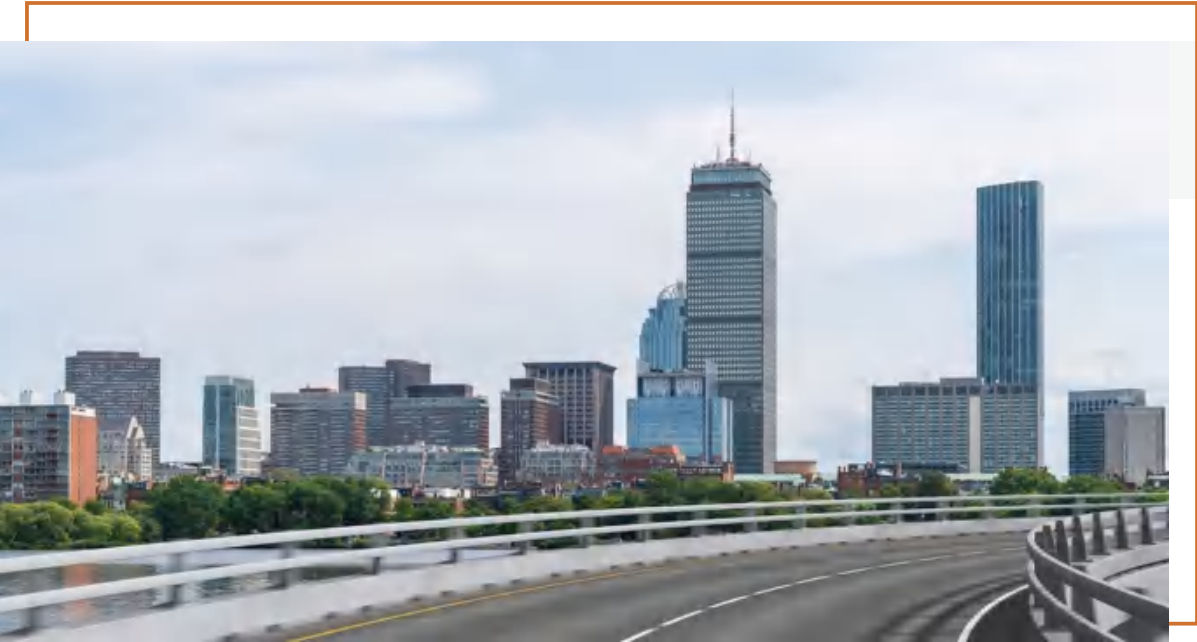
<https://chinagode.com>



PRODUCT OVERVIEW

GOOD QUALITY AND FAST CHARGING 01

High-quality solar panels have high conversion rate, fast light absorption, can protect the circuit from damage, and can be charged quickly, which is very safe. The high-capacity battery ensures its high brightness and long hours of work from dusk to dawn, guaranteeing long-term illumination.



COPE HARSH WEATHER, IP65 WATERPROOF 02

The new shell design makes the LED street light last up to 5 years. This solar street light has very good waterproof, rainproof and lightning protection performance, temperature resistance -4°F-120°F. IP65 waterproof and can work in all kinds of bad weather.

EASY INSTALLATION 03

Solar panel street lights can be installed by themselves and are easy to install. It has a wide irradiation range and can meet the lighting needs of large places such as parking lots. Sports venues, gardens. Roads and other big places.





PRODUCT DETAILS



01. Battery

Long battery life, energy saving and environmental protection, more durable. Can be used in the -20°C-65°C area.



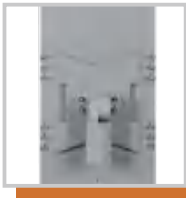
02. Solar Panel

High-quality mono-crystalline silicon material, high charging efficiency, energy saving and practical, long life.



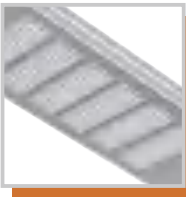
03. LED Chip

Built-in LED chip, enable solar street lights to emit high brightness with low heat even after long time usage.



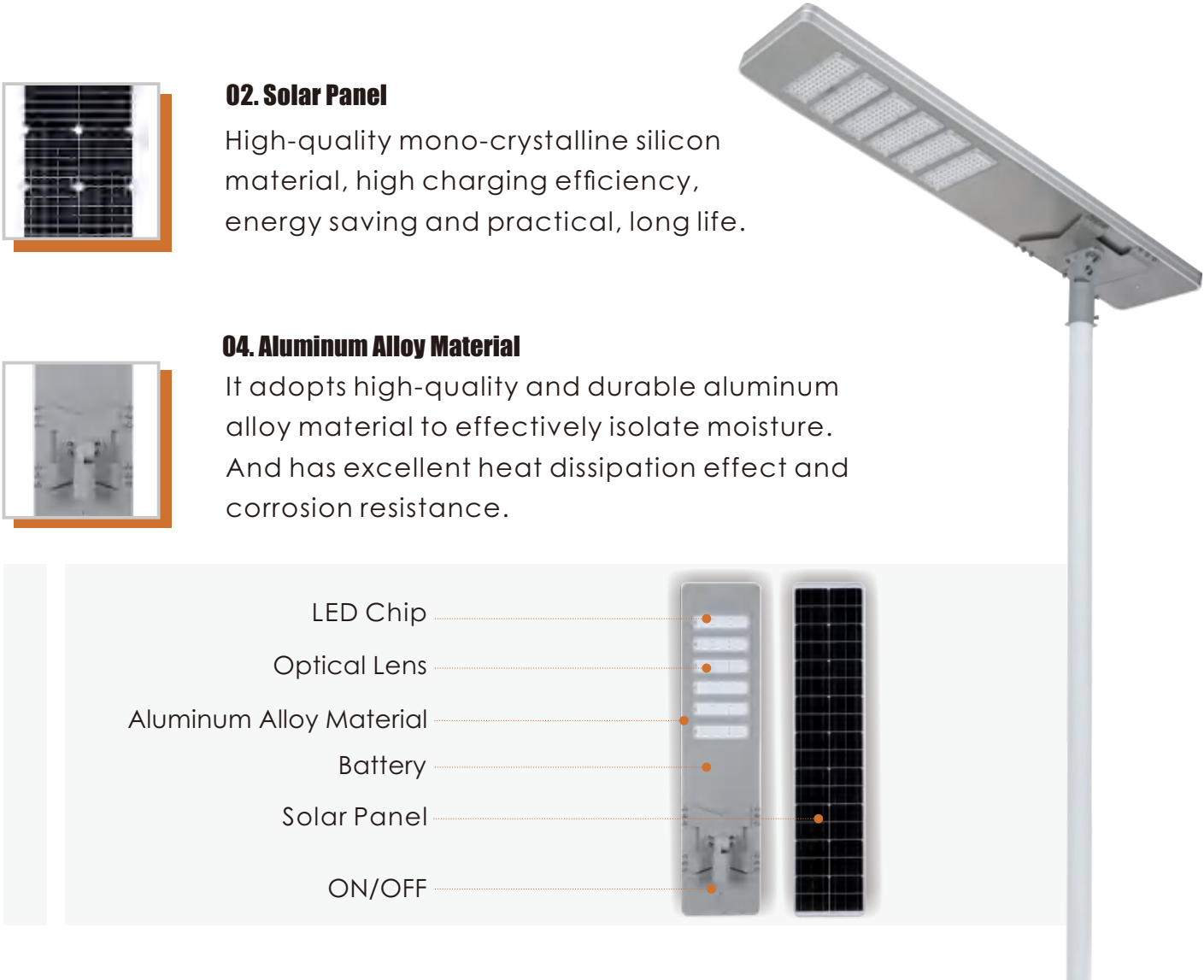
04. Aluminum Alloy Material

It adopts high-quality and durable aluminum alloy material to effectively isolate moisture. And has excellent heat dissipation effect and corrosion resistance.



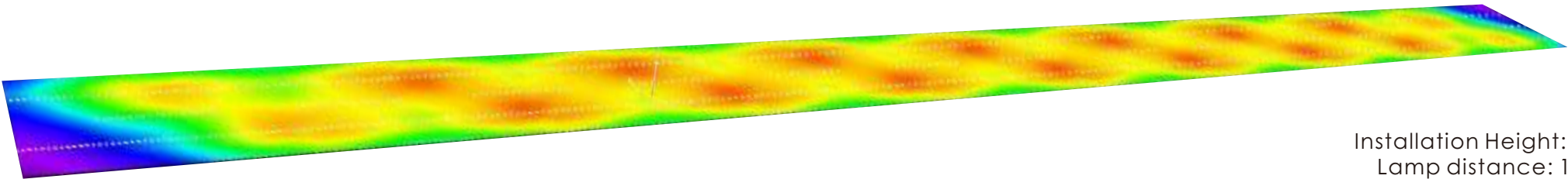
05. Optical Lens

The Lens makes the light spot is uniform, there is no astigmatism, no shadow, and the transmittance is very high, which maximizes the utilization of LED light.



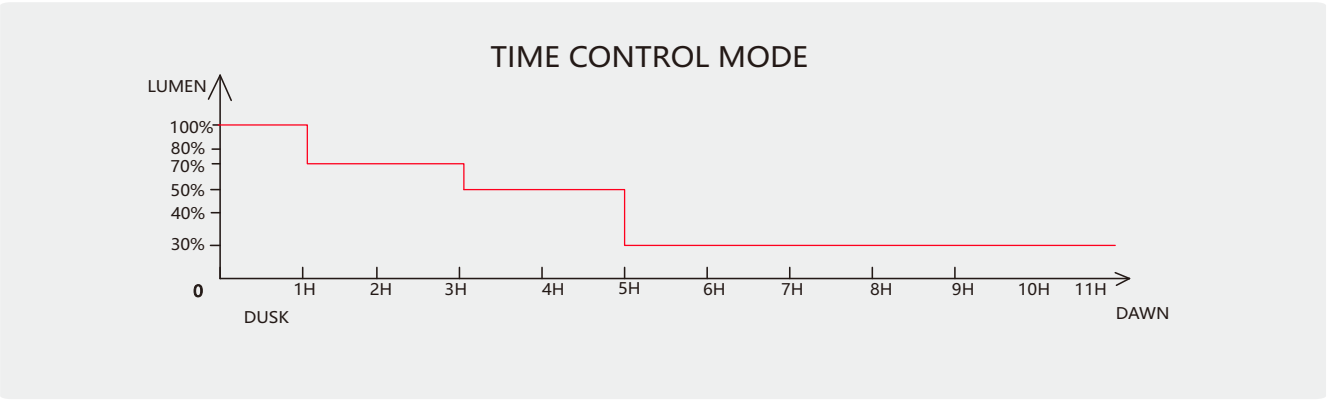


300W DIALUX SIMULATION EFFECT

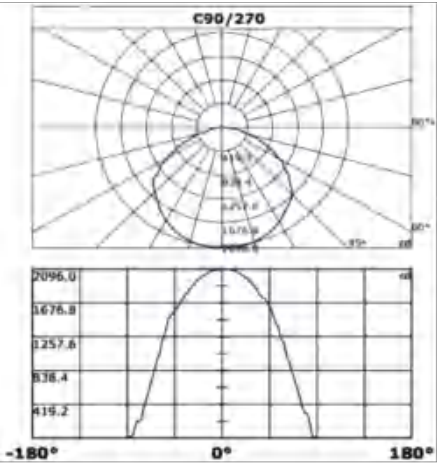
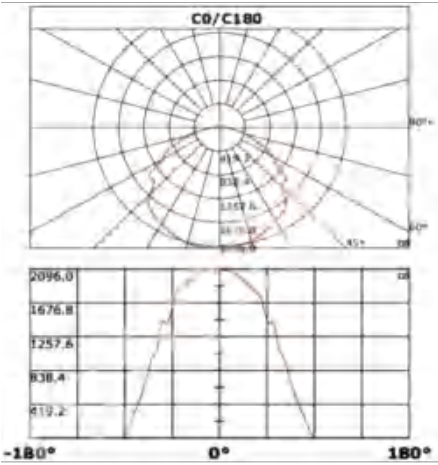


Unit: LX

HOW THE LIGHT WORKS

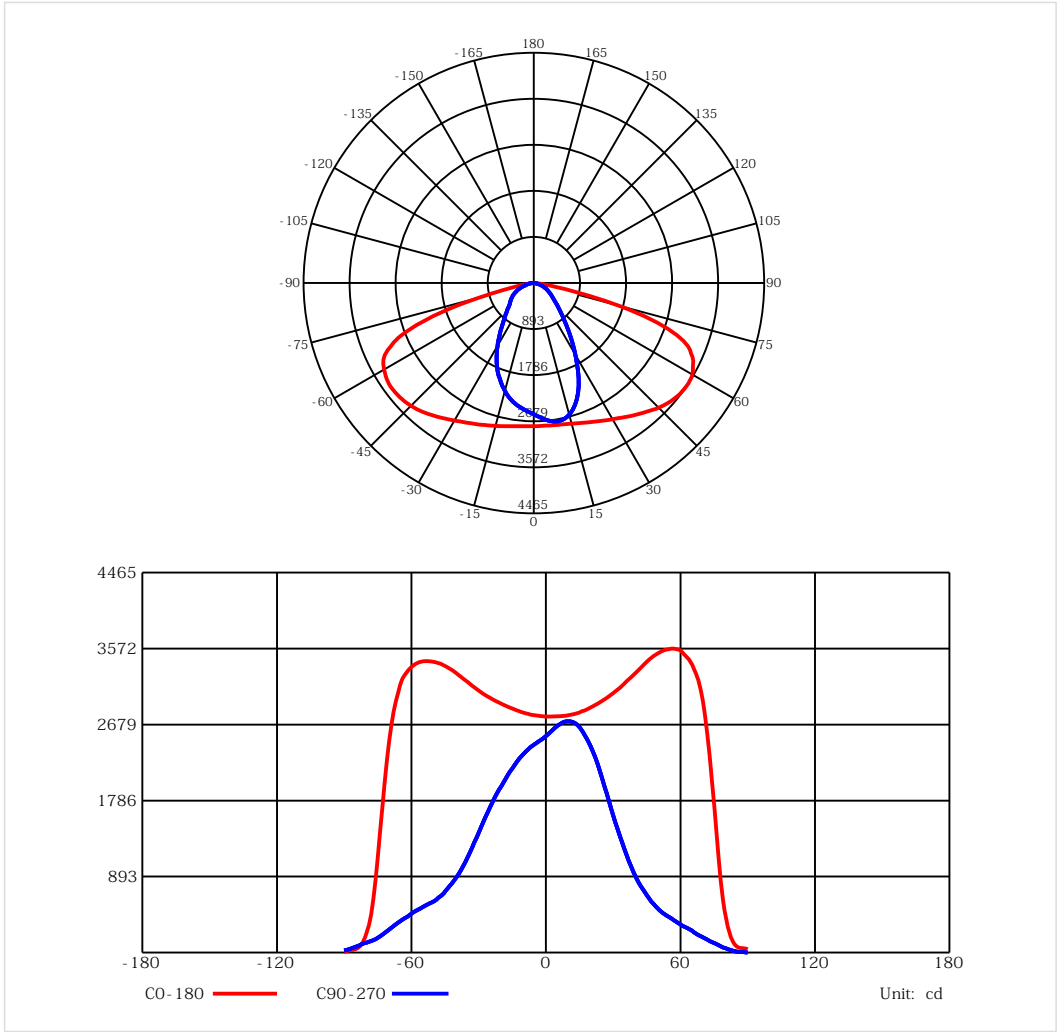


LIGHTING DATA

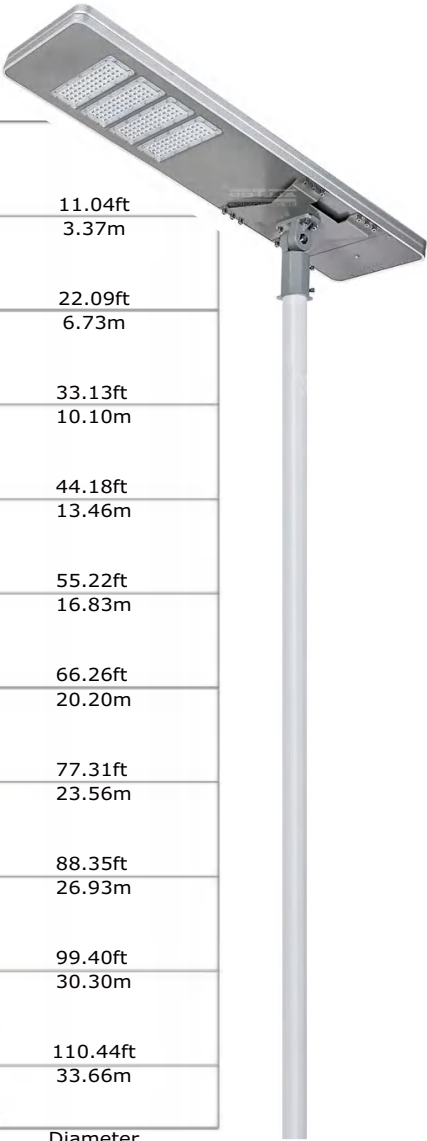
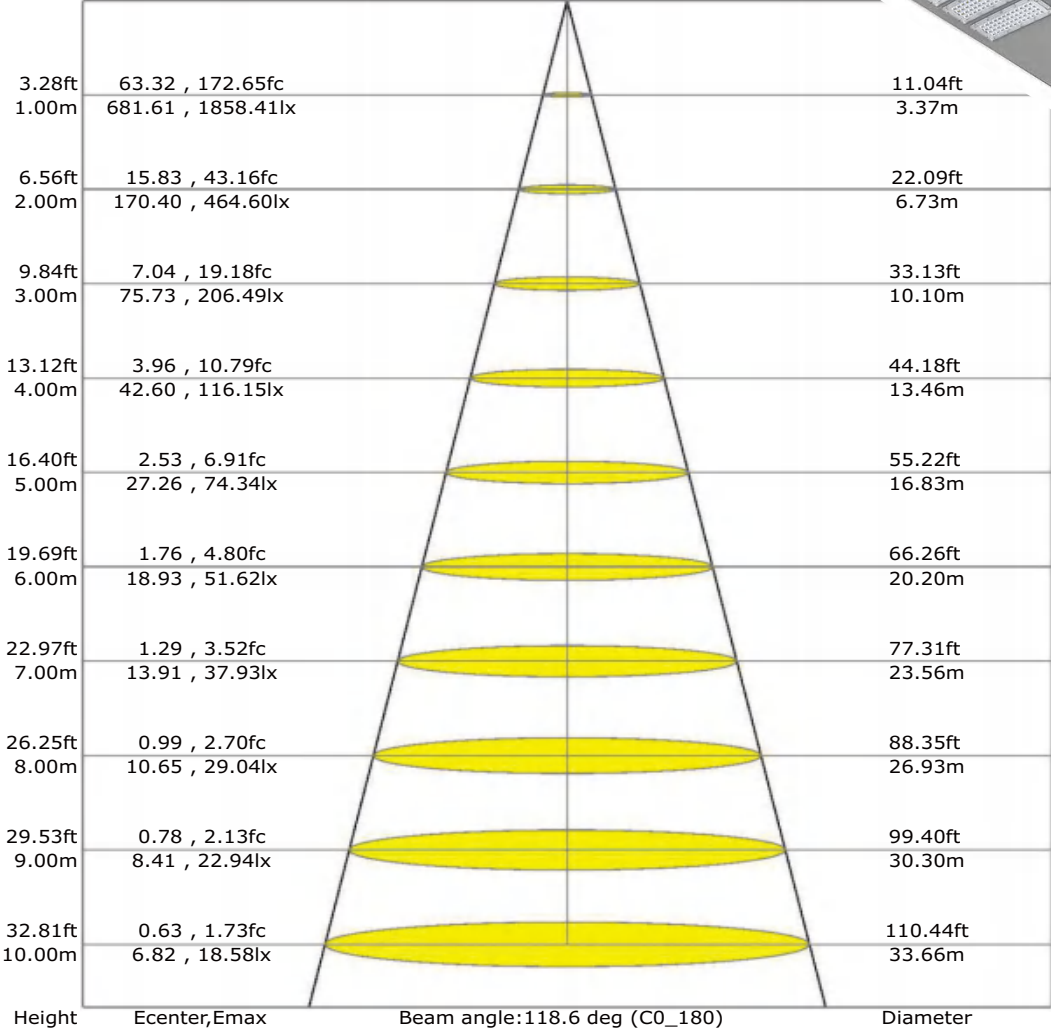




LIGHTING DATA



LX-DISTANCE DIAGRAM



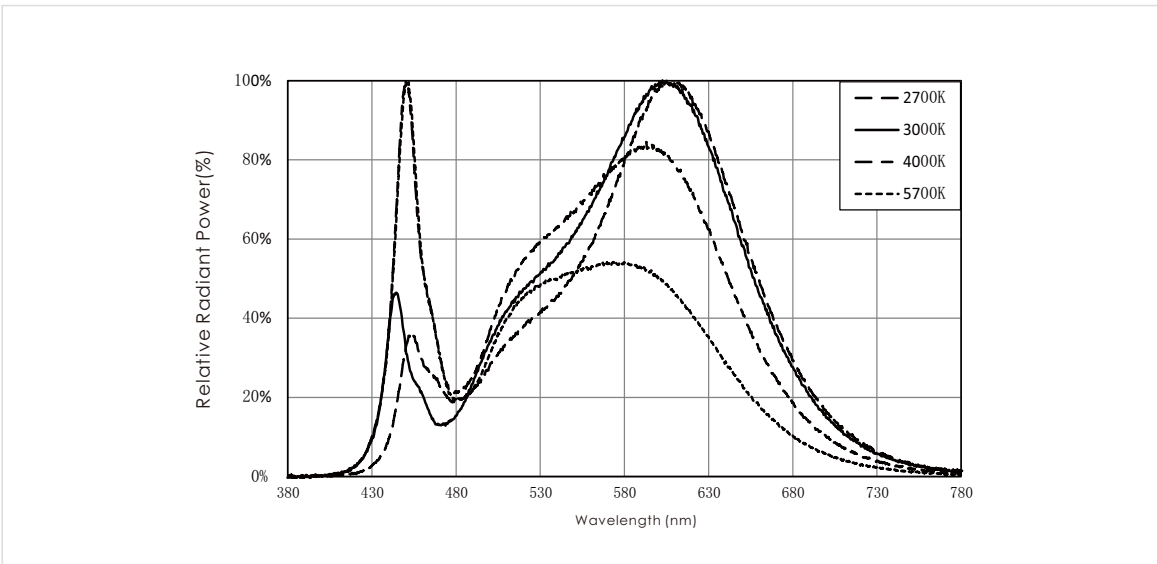


INTRODUCTION SMD 3030

The Bridge lux SMD 3030 offers exceptional performance in a compact LED package. This high power LED is hot-color targeted which ensures that the LEDs fall within their specified color bin at the typical application conditions of 85° C. With its broad lumen coverage and wide range of CCT and CRI options, the SMD 3030 provides unparalleled design-in flexibility for indoor and outdoor lighting applications. Its high flux capability reduces the number of LEDs and enables industry leading system level lumen per dollar. The SMD 3030 is ideal as a drop in replacement for emitters with an industry standard 3.0mm x 3.0mm footprint.



TYPICAL COLOR SPECTRUM



Benefits

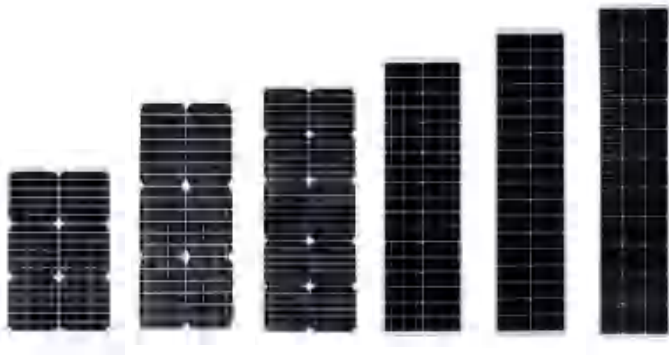
- Lower operating and manufacturing cost
- Ease of design and rapid go-to-market
- Uniform consistent white light
- Reliable and constant white point
- Environmentally friendly, complies with standards
- Design exhibity

Features

- Industry-standard 3030 footprint Excellent color maintenance
- 9 bin color control enables tight color control
- Superior luminous ux at maximum current for reduced LED count
- Hot-color targeting ensures that color is within the ANSI bin at the typical application conditions of 85°C
- Multiple CCT and CRI congurations for a wide range of lighting applications



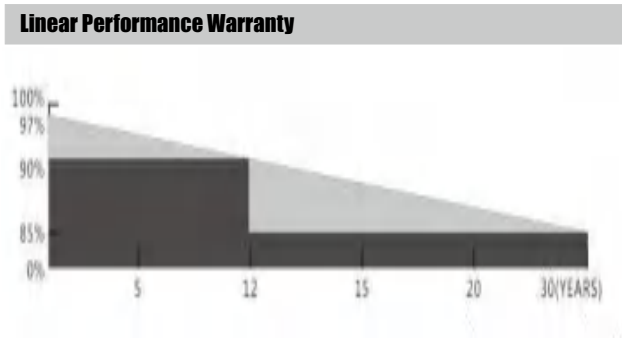
SOLAR PANEL SPECIFICATION



| Specifications                              |                               |
|---|-------------------------------|
| Peak Power(Pmax)                            | 36/45/65/88/100/130           |
| Maximum Power Voltage(Vmp)                  | 18/18/18/18/18/16.5           |
| Maximum Power Current(Imp)                  | 2/2.5/3.61/4.88/5.55/7.87     |
| Open Circuit Voltage(Voc)                   | 22.1/22.1/22.1/22.1/22.1/20.6 |
| Short Circuit Current(Isc)                  | 3.1/3.6/4.71/5.98/6.65/8.97   |
| Cells Efficiency(%)                         | 23                            |
| Module Efficiency(%)                        | 21                            |
| Power Tolerance                             | 0~+3%                         |
| Pmax Temperature Coefficients(W/°C)         | -0.400%                       |
| Voc Temperature Coefficients(V/°C)          | -0.300%                       |
| Isc Temperature Coefficients(A/°C)          | +0.060%                       |
| NOCT Nominal Operating Cell Temperature(°C) | 45±2                          |
| Operating and Storage Temperature(°C)       | -40~+85                       |
| Standard Test Condition(STC)                | 1.000W/m², AM 1.5:25+/-2°C    |

| Mechanical characterisrtics |   |                |
|-----------------------------|---|----------------|
| Dimensions                  | 520*331*4.5mm                                   | 1180*331*4.5mm |
|                             | 620*331*4.5mm                                   | 1465*336*4.5mm |
|                             | 992*331*4.5mm                                   | 1776*377*4.5mm |
| <hr/>                       |   |                |
| Front Glass                 | 3.2mm high transmission,low iron,tempered glass |                |
| Junction box                | IP65 Rated                                      |                |

| Product Standard    |          |
|---------------------|----------|
| Product Performance | IEC61215 |
| Product Safety      | IEC61730 |



- 12  
Years

Guarantee on product materail and workmanship
- 30  
Years

Linear Power output warranty

5 Busbar Cell:

5 Busbar Solar cell adpots new technology to improve the efficiency of modules,offers a better aesthetic apperance making it perfect for rooftop installation and application

High Efficiency

High Module conversion efficiency, through innovative manufacturing technology

Low-LightPerformance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments

Serve Weather Resilience

Certified to withstand : wind load(2400Pa) and snow load (5400Pa)

Durability against extreme enviromental conditions

High salt mist and ammonia resistance certified by TUV

0~+5W Positive Tolerance

Detailed information in Electrical Specifications

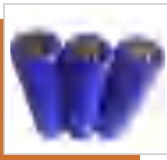


BATTERY SPECIFICATION



|                                 |           |      |      |      |      |      |
|---------------------------------|-----------|------|------|------|------|------|
| DesignLife                      | 6-8 years |      |      |      |      |      |
| Nominal Voltage                 | 12.8V     |      |      |      |      |      |
| Nominal Capacity                | 18AH      | 30AH | 42AH | 54AH | 60AH | 72AH |
| Operation Temperature Range     |           |      |      |      |      |      |
| Discharge                       | -20~60℃   |      |      |      |      |      |
| Charge                          | -10~60℃   |      |      |      |      |      |
| Storage                         | -20~60℃   |      |      |      |      |      |
| Max.Discharge Current 77°F(25℃) | 50A(5s)   |      |      |      |      |      |
| Short Circuit Current           | 100A      |      |      |      |      |      |

BATTERY GUARANTEE OF QUALITY



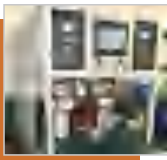
01. Battery Cells

High-end battery cells keep every cell's voltage, resistance, capacity, discharging always in sync.



02. Battery Protector

High precision IC keep performance more stable protect over load, over charge, over discharge, short circuit, over voltage, over current keep battery pack always safe and long life span.



03. Precision Welding Machine

Fully automatic precision welding machine can ensure that every battery can be welded firmly to prevent the danger of short circuit or power failure.

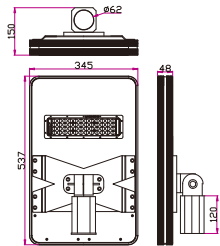


04. Aging Test Machine

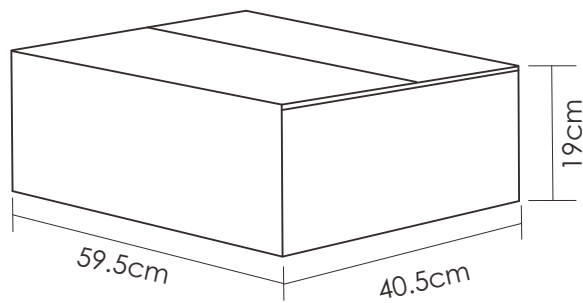
Every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified.



PRODUCT SPECIFICATION

|                   |                          |  |
|-------------------|--------------------------|--|
| Model             | 0911A50-01               | <div>Product Size</div> <div></div> <div>(Unit: mm)</div> |
| LED Type          | 3030LED 48PCS            |  |
| Solar Panel Type  | 18V 36W,Mono-Crystalline |  |
| Battery Type      | LiFePO4 12.8V 18AH       |  |
| Color Temperature | 6000K                    |  |
| LED Lifespan      | 50000H                   |  |
| Charging Time     | 6-8 Hours                |  |
| Discharging Time  | 30-36 Hours              |  |
| LED               | 160lm/w                  |  |
| Material          | Aluminum Alloy           |  |
| Product Size      | 532*343*150mm            |  |
| Install Height    | 3-5m                     |  |
| Warranty          | 3 Years                  |  |

0911A50-01 50W

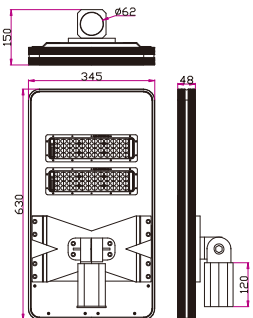


PACKAGING SPECIFICATION

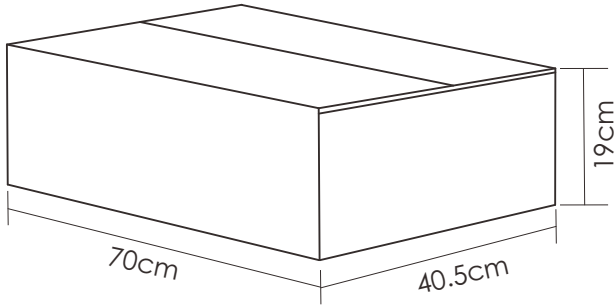
| P/N        | Power | Packing Size(CM) |       |       | PCS/CTN | CBM/CTN | G.W/CTN (KGS) |
|------------|-------|------------------|-------|-------|---------|---------|---------------|
|            |       | L                | W     | H     |         |         |               |
| 0911A50-01 | 50W   | 59.50            | 40.50 | 19.00 | 1       | 0.0458  | 9.1           |



PRODUCT SPECIFICATION

|                   |                           |   |
|-------------------|---------------------------|---|
| Model             | 0911B100-01               | Product Size  |
| LED Type          | 3030LED 96PCS             | <br>(Unit: mm) |
| Solar Panel Type  | 18V 45W, Mono-Crystalline |   |
| Battery Type      | LiFePO4 12.8V 30AH        |   |
| Color Temperature | 6000K                     |   |
| LED Lifespan      | 50000H                    |   |
| Charging Time     | 6-8 Hours                 |   |
| Discharging Time  | 30-36 Hours               |   |
| LED               | 160lm/w                   |   |
| Material          | Aluminum Alloy            |   |
| Product Size      | 642*343*150mm             |   |
| Install Height    | 5-7m                      |   |
| Warranty          | 3 Years                   |   |

0911B100-01 100W

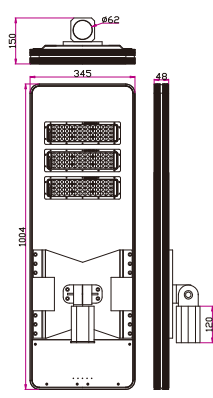


PACKAGING SPECIFICATION

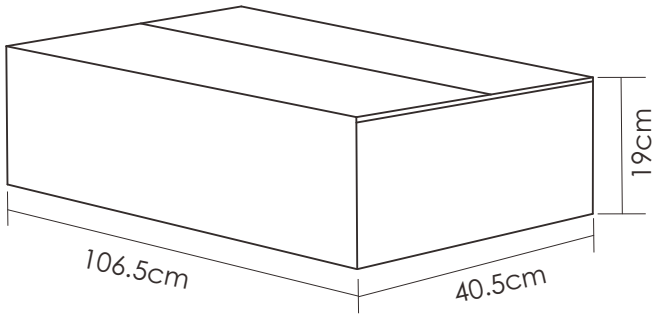
| P/N         | Power | Packing Size(CM) |       |       | PCS/CTN | CBM/CTN | G.W/CTN (KGS) |
|-------------|-------|------------------|-------|-------|---------|---------|---------------|
|             |       | L                | W     | H     |         |         |               |
| 0911B100-01 | 100W  | 70.00            | 40.50 | 19.00 | 1       | 0.0539  | 10.9          |



PRODUCT SPECIFICATION

|                   |                          |   |
|-------------------|--------------------------|---|
| Model             | 0911C150-01              | Product Size  |
| LED Type          | 3030LED 144PCS           | <br>(Unit: mm) |
| Solar Panel Type  | 18V 65W,Mono-Crystalline |   |
| Battery Type      | LiFePO4 12.8V 42AH       |   |
| Color Temperature | 6000K                    |   |
| LED Lifespan      | 50000H                   |   |
| Charging Time     | 6-8 Hours                |   |
| Discharging Time  | 30-36 Hours              |   |
| LED               | 160lm/w                  |   |
| Material          | Aluminum Alloy           |   |
| Product Size      | 1004*343*150mm           |   |
| Install Height    | 7-9m                     |   |
| Warranty          | 3 Years                  |   |

0911C150-01 150W

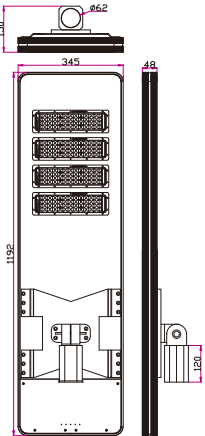


PACKAGING SPECIFICATION

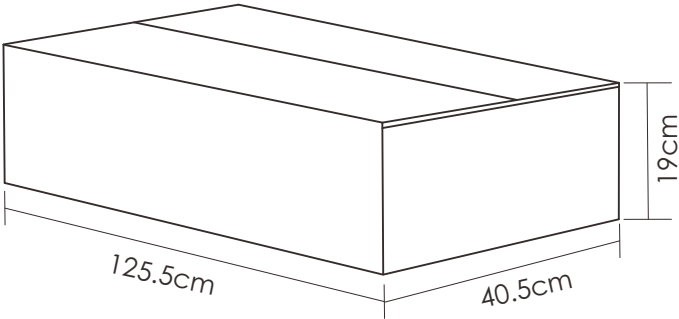
| P/N         | Power | Packing Size(CM) |       |       | PCS/CTN | CBM/CTN | G.W/CTN (KGS) |
|-------------|-------|------------------|-------|-------|---------|---------|---------------|
|             |       | L                | W     | H     |         |         |               |
| 0911C150-01 | 150W  | 106.50           | 40.50 | 19.00 | 1       | 0.0820  | 15.5          |



PRODUCT SPECIFICATION

|                   |                          |  |
|-------------------|--------------------------|--|
| Model             | 0911D200-01              | <div></div> <div>(Unit: mm)</div> |
| LED Type          | 3030LED 192PCS           |  |
| Solar Panel Type  | 18V 88W,Mono-Crystalline |  |
| Battery Type      | LiFePO4 12.8V 54AH       |  |
| Color Temperature | 6000K                    |  |
| LED Lifespan      | 50000H                   |  |
| Charging Time     | 6-8 Hours                |  |
| Discharging Time  | 30-36 Hours              |  |
| LED               | 160lm/w                  |  |
| Material          | Aluminum Alloy           |  |
| Product Size      | 1192*343*150mm           |  |
| Install Height    | 8-12m                    |  |
| Warranty          | 3 Years                  |  |

0911D200-01 200W

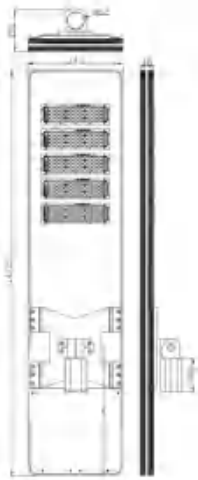


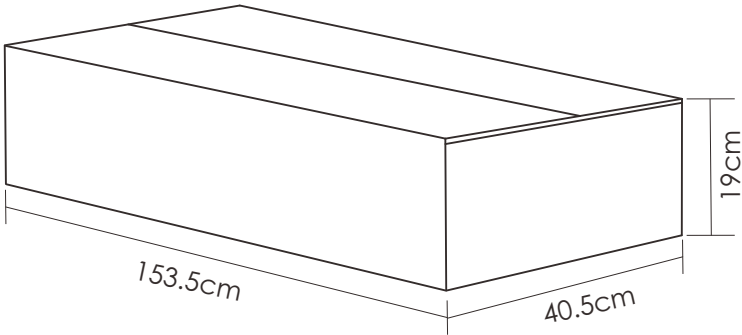
PACKAGING SPECIFICATION

| P/N         | Power | Packing Size(CM) |       |       | PCS/CTN | CBM/CTN | G.W/CTN (KGS) |
|-------------|-------|------------------|-------|-------|---------|---------|---------------|
|             |       | L                | W     | H     |         |         |               |
| 0911D200-01 | 200W  | 125.50           | 40.50 | 19.00 | 1       | 0.0966  | 18            |



PRODUCT SPECIFICATION

|                   |                             |   |
|-------------------|-----------------------------|---|
| Model             | 0911E250-01                 | <div>Product Size</div>  <div>(Unit: mm)</div> |
| LED Type          | 3030LED 240PCS              |   |
| Solar Panel Type  | 18V 100W,Mono-Crystalline   |   |
| Battery Type      | LiFePO4 12.8V 60AH          |   |
| Color Temperature | 6000K                       |   |
| LED Lifespan      | 50000H                      |   |
| Charging Time     | 6-8 Hours                   |   |
| Discharging Time  | 30-36 Hours                 |   |
| Control Way       | Light Control+Timer Control |   |
| LED               | 160lm/w                     |   |
| Material          | Aluminum Alloy              |   |
| Product Size      | 1472*343*150mm              |   |
| Install Height    | 8-12m                       |   |
| Warranty          | 3 Years                     |   |

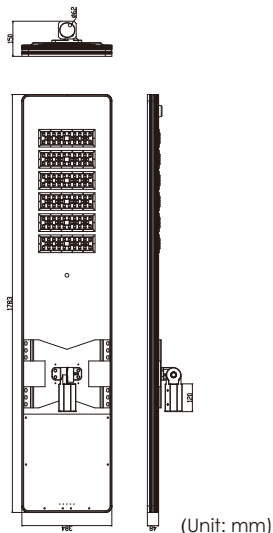


PACKAGING SPECIFICATION

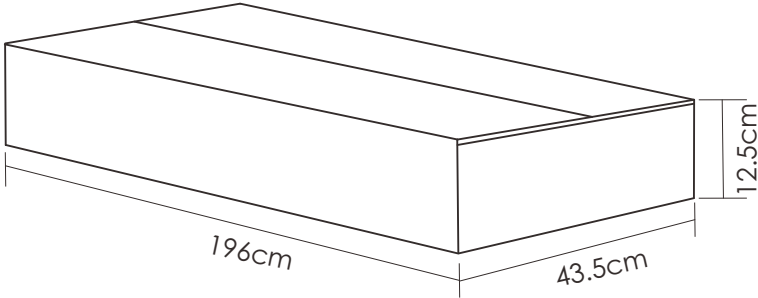
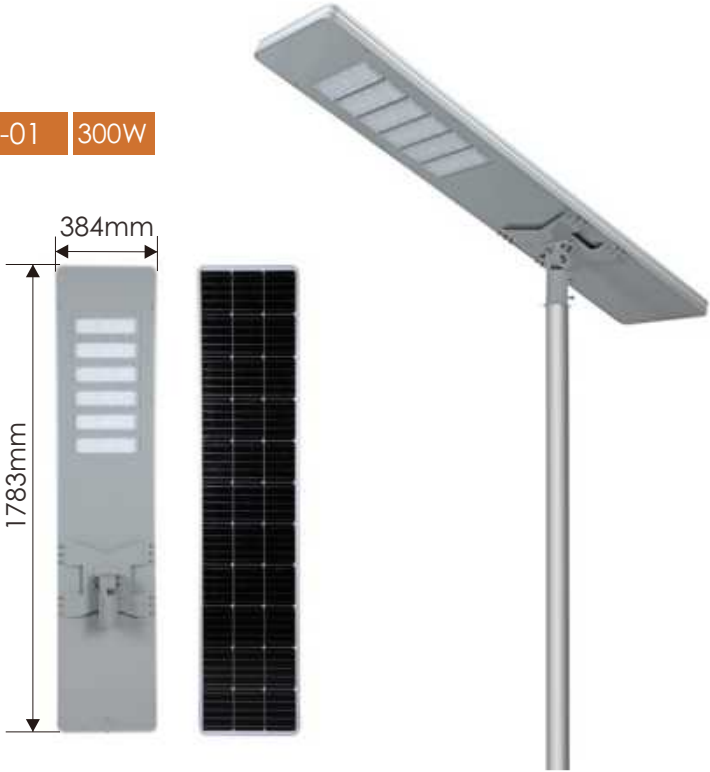
| P/N         | Power | Packing Size(CM) |       |       | PCS/CTN | CBM/CTN | G.W/CTN (KGS) |
|-------------|-------|------------------|-------|-------|---------|---------|---------------|
|             |       | L                | W     | H     |         |         |               |
| 0911E250-01 | 250W  | 153.50           | 40.50 | 19.00 | 1       | 0.1181  | 20.5          |



PRODUCT SPECIFICATION

|                   |                              |   |
|-------------------|------------------------------|---|
| Model             | 0911F300-01                  | <div>Product Size</div>  <div>(Unit: mm)</div> |
| LED Type          | 3030LED 288PCS               |   |
| Solar Panel Type  | 16.5V 130W, Mono-Crystalline |   |
| Battery Type      | LiFePO4 12.8V 72AH           |   |
| Color Temperature | 6000K                        |   |
| LED Lifespan      | 50000H                       |   |
| Charging Time     | 6-8 Hours                    |   |
| Discharging Time  | 30-36 Hours                  |   |
| Control Way       | Light Control+Timer Control  |   |
| LED               | 160lm/w                      |   |
| Material          | Aluminum Alloy               |   |
| Product Size      | 1783*384*150mm               |   |
| Install Height    | 8-12m                        |   |
| Warranty          | 3 Years                      |   |

0911F300-01 300W



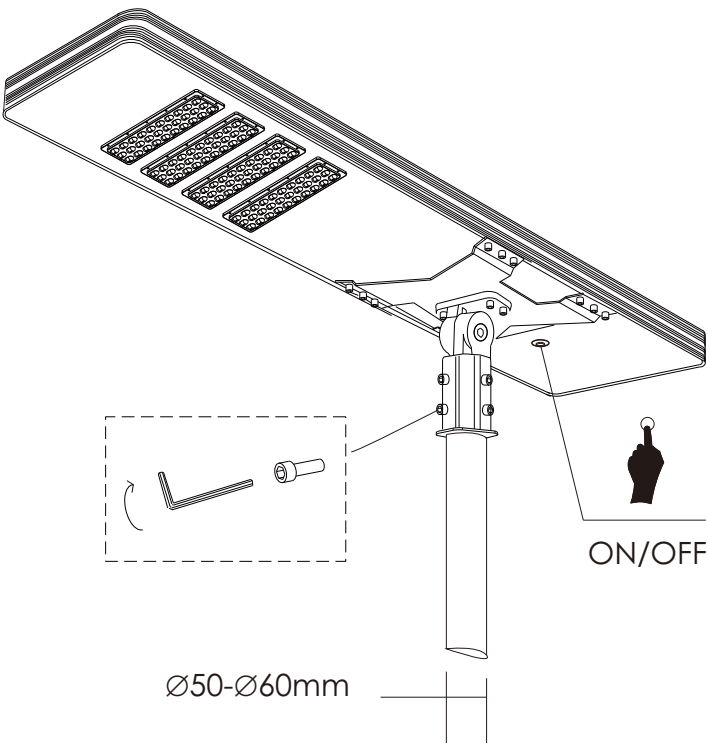
PACKAGING SPECIFICATION

| P/N         | Power | Packing Size(CM) |       |       | PCS/CTN | CBM/CTN | G.W/CTN (KGS) |
|-------------|-------|------------------|-------|-------|---------|---------|---------------|
|             |       | L                | W     | H     |         |         |               |
| 0911F300-01 | 300W  | 196.00           | 43.50 | 12.50 | 1       | 0.1066  | 26            |



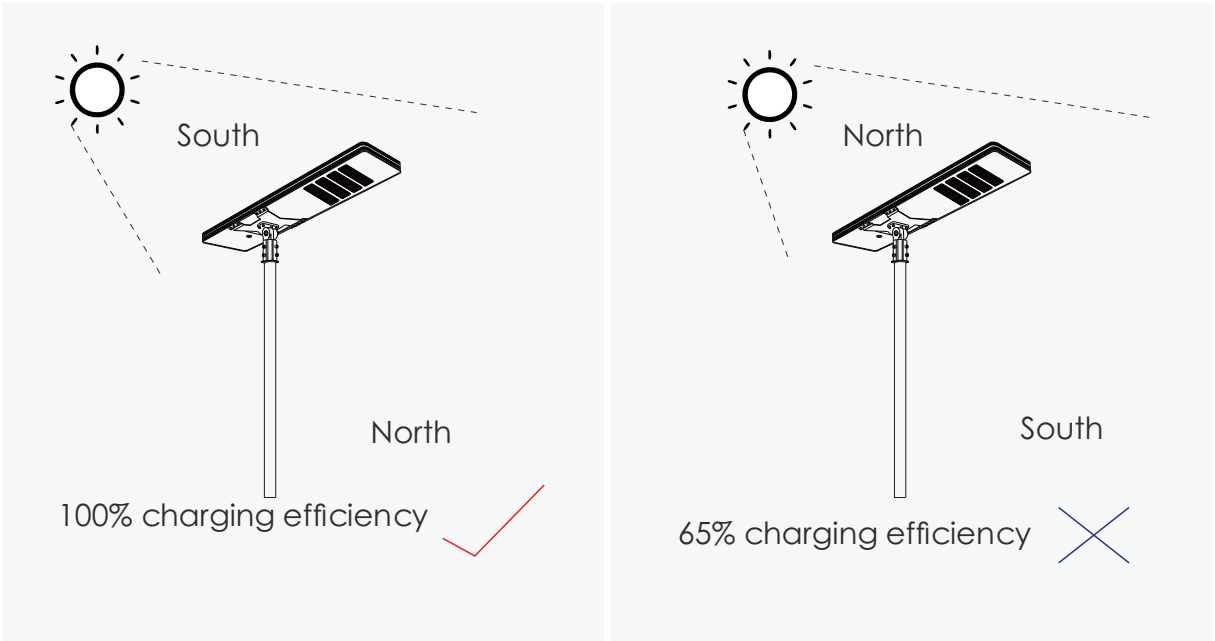
INSTALLATION GUIDE

- 1.Insert the lamp arm into the lamp body and tighten the screw.
- 2.Make sure the solar panel is installed towards the south and it isn't blocked by obstacles.



INSTALLATION GUIDE

Solar panels need to face the sun and avoid being shaded by houses or leaves; If the location is in the north sphere, the panel should face to south (as shown).



(A diagram for how the orientation impacts on power generation efficiency)



## APPLICATION



## WARNING

- Please avoid looking directly at the light.
- The charging and dismantling process must be carried out in a safe place.
- Do not short-circuit, disassemble ; do not put in the water and near the fire.
- Without professionals, do not attempt to repair or replace the battery, the supplier shall not be responsible for any damage of the consequence of replacing or repairing the battery that not conducting by supplier.