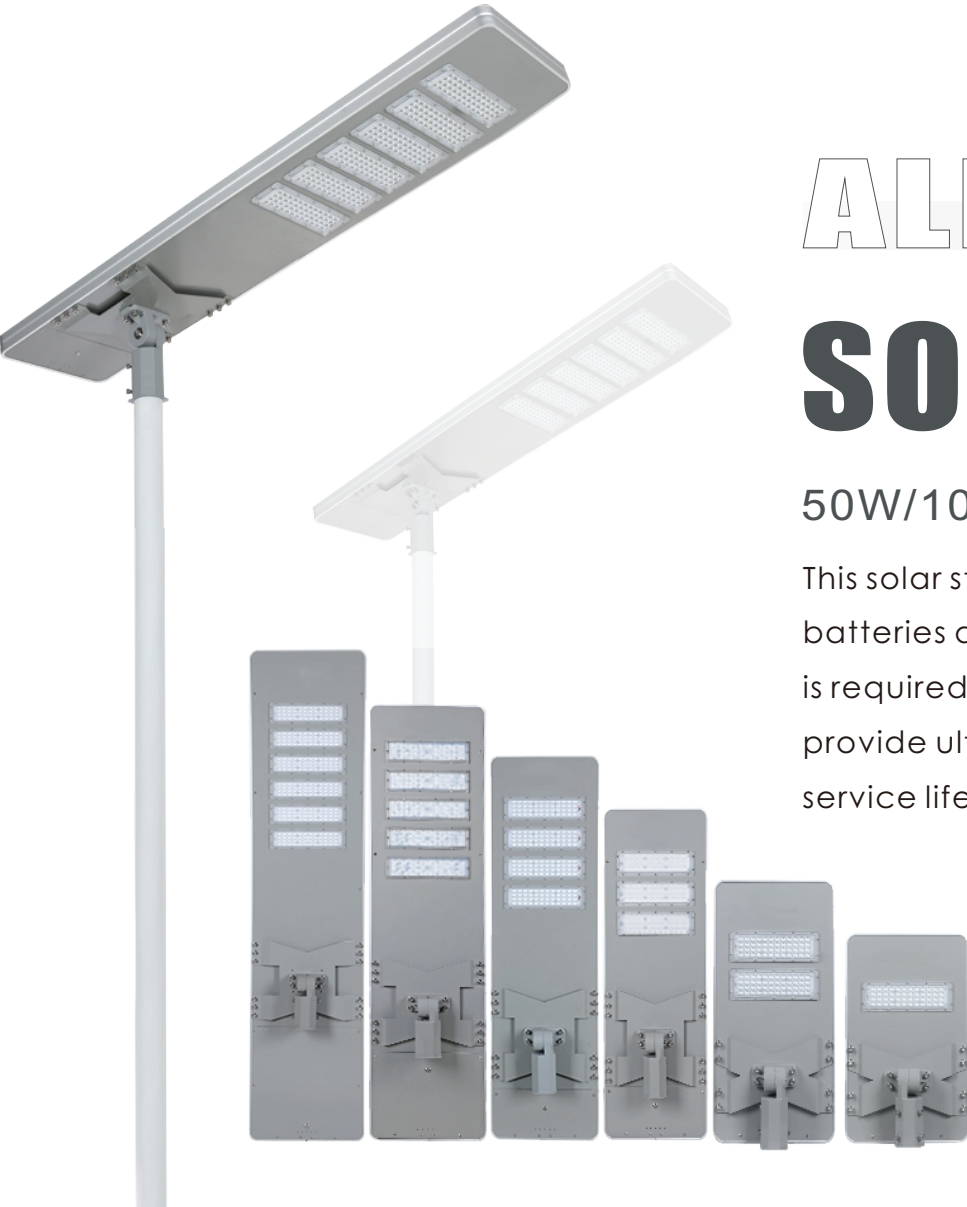


ALL-IN-ONE

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.





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.



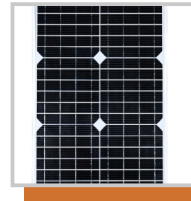


PRODUCT DETAILS



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.



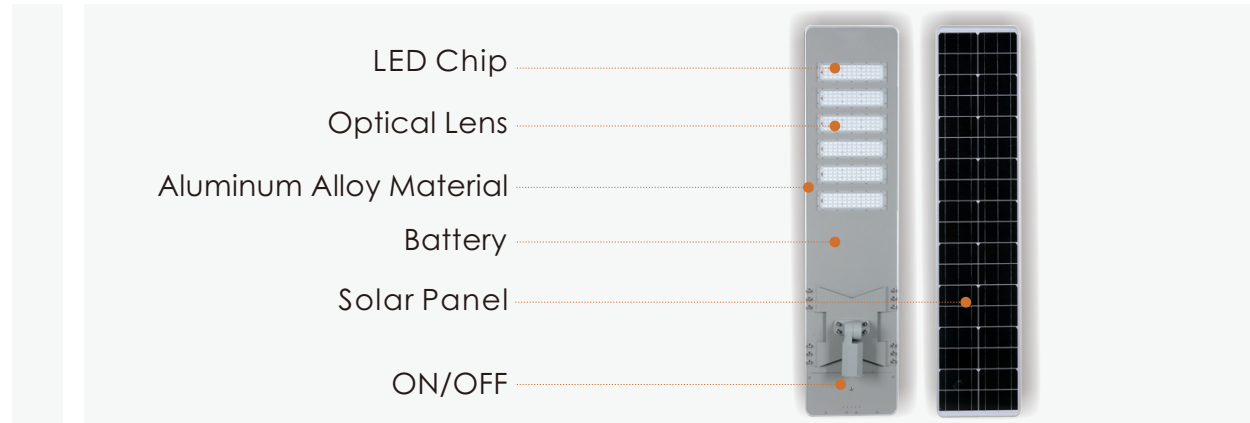
04. Aluminum Alloy Material

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



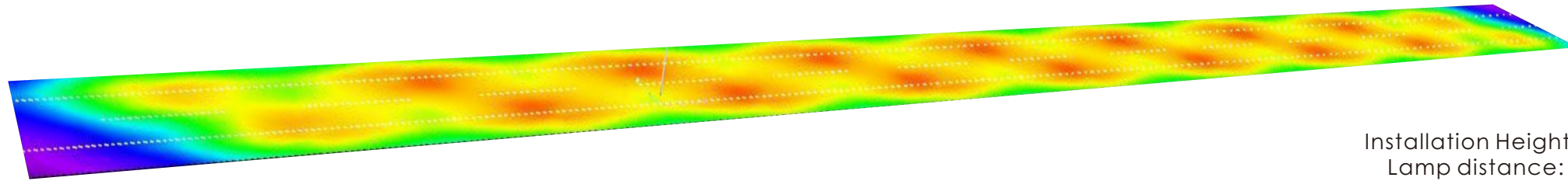
05. Optical Lens

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

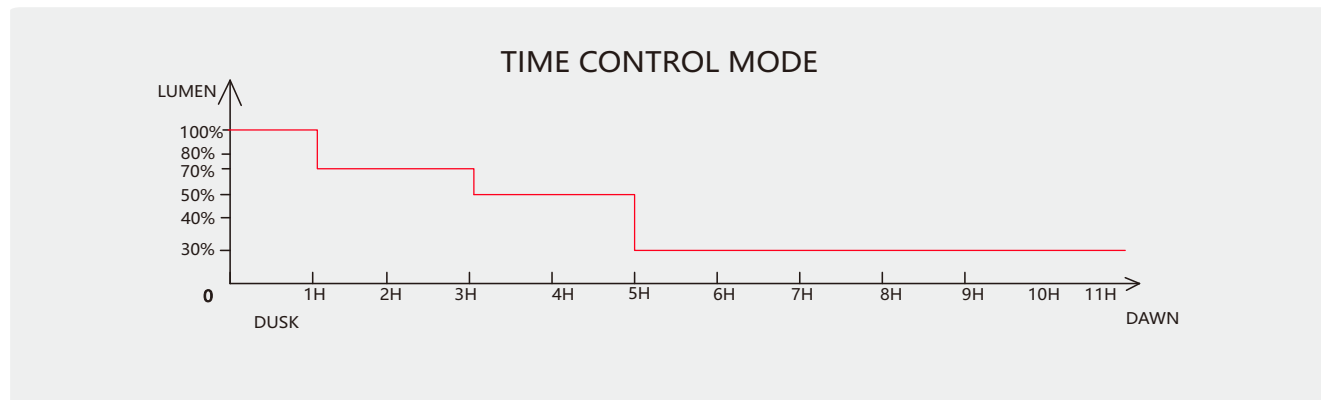


Installation Height: 6m
Lamp distance: 12m

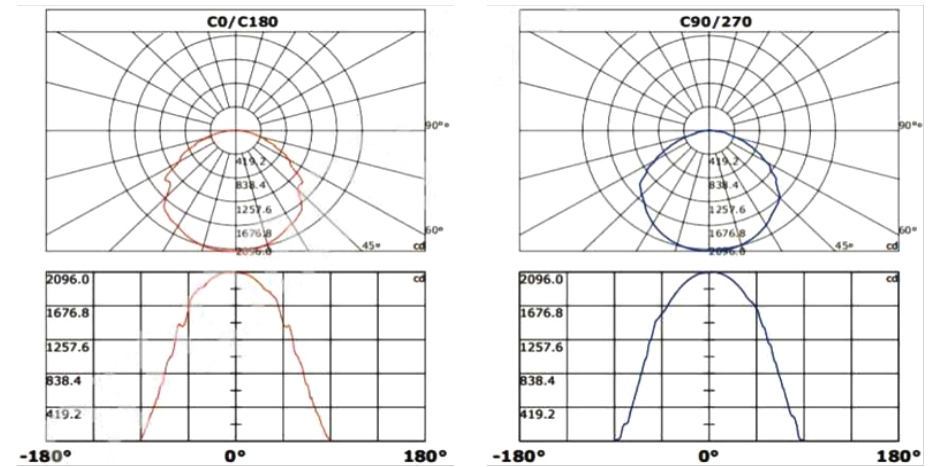


0 5.25 10.50 15.75 21.00 26.25 31.50 36.75 42.00 Unit: LX

HOW THE LIGHT WORKS

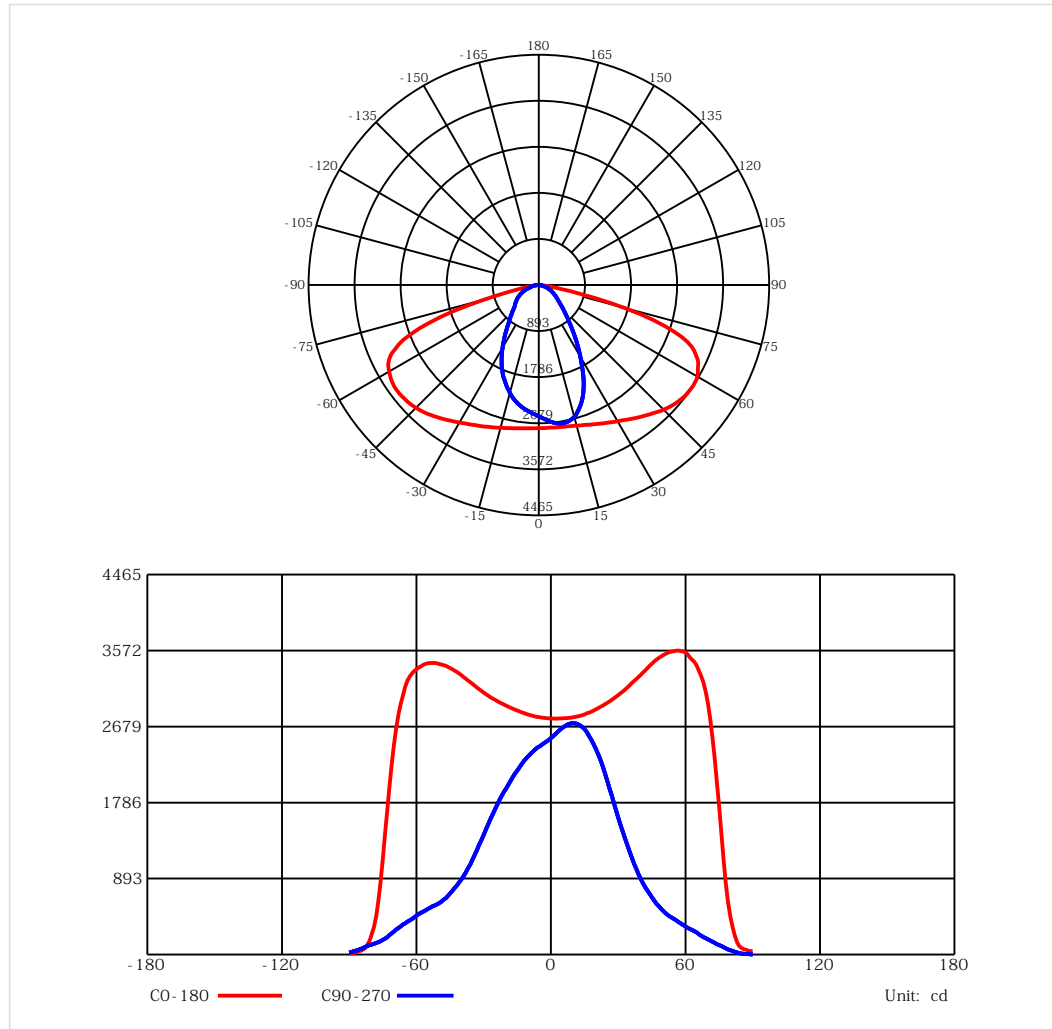


LIGHTING DATA

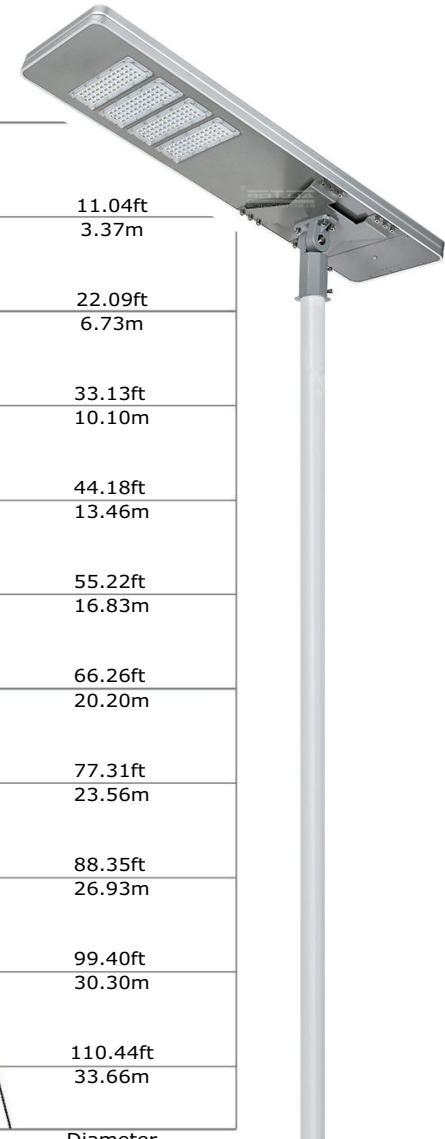
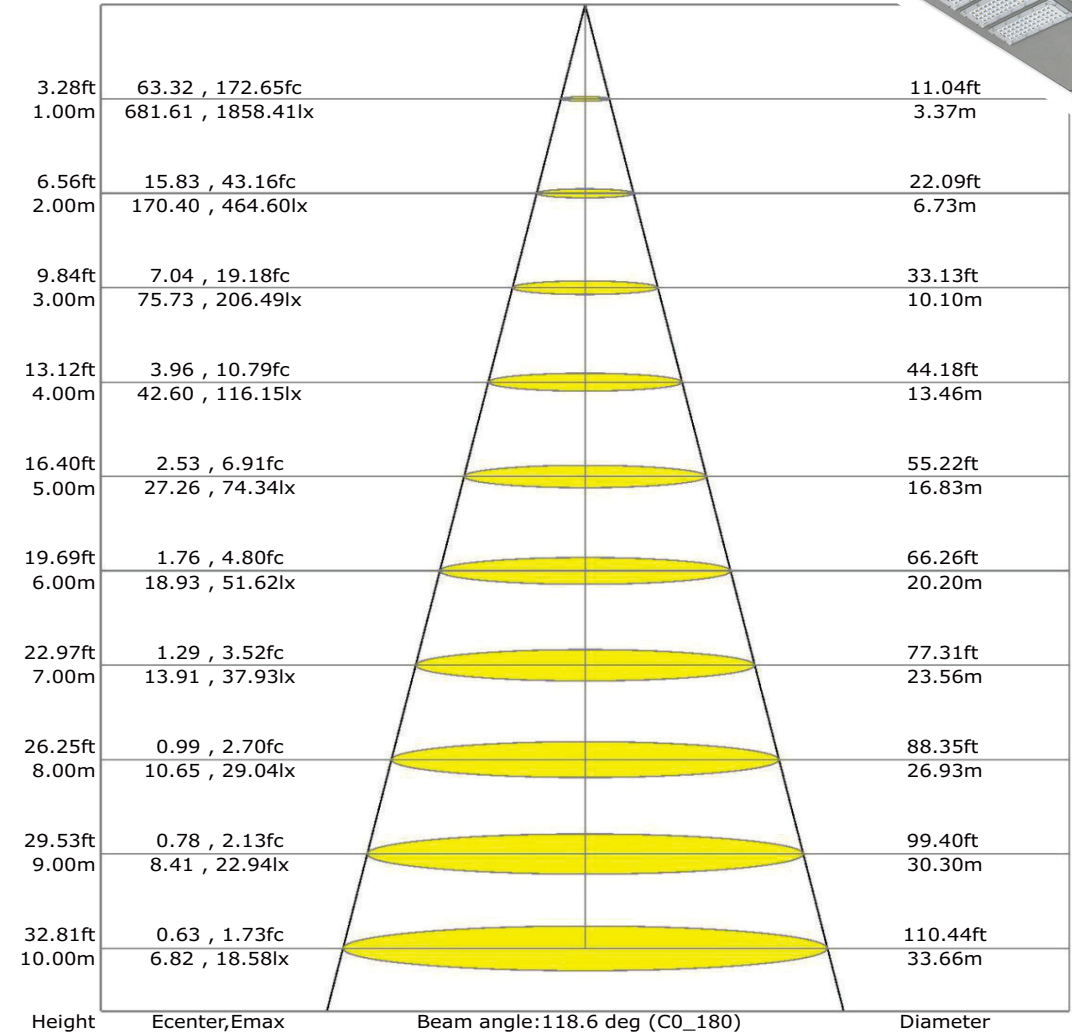




LIGHTING DATA



LX-DISTANCE DIAGRAM



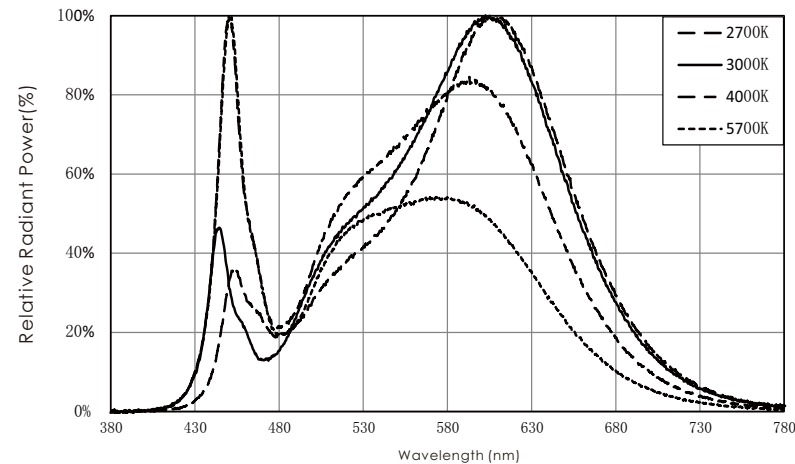


INTRODUCTION SMD 3030

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

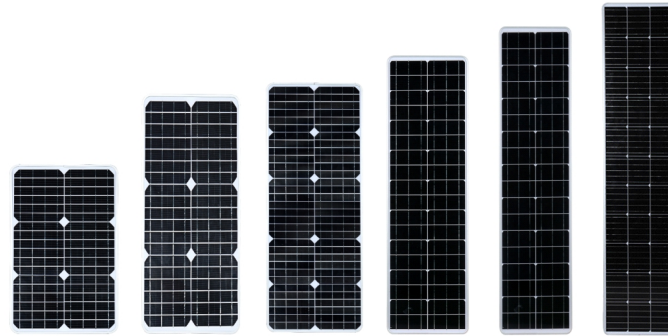
- Lower operating and manufacturing cost
- Ease of design and rapid go-to-market
- Uniform consistent white light
- Reliable and constant white point
- Environmentally friendly, complies with standards
- Design exhibity

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(°C)	18.09
Module Efficiency(°C)	10.74
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/m ² , AM 1.5:25+/-2°C

Mechanical characteristics

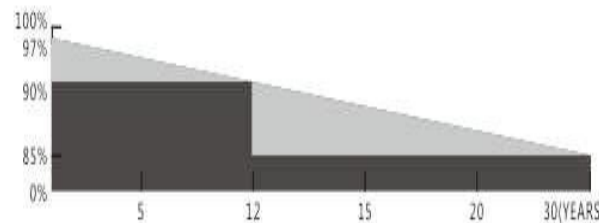
Dimensions	520*331*4.5mm	1180*331*4.5mm
	620*331*4.5mm	1465*336*4.5mm
	992*331*4.5mm	1776*377*4.5mm

Front Glass	3.2mm high transmission, low iron, tempered glass
Junction box	IP65 Rated

Product Standard

Product Performance	IEC61215
Product Safety	IEC61730

Linear Performance Warranty



12 Years Guarantee on product material and workmanship

30 Years Linear Power output warranty

Key Features



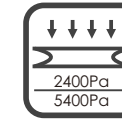
5 Busbar Cell:
5 Busbar Solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance making it perfect for rooftop installation and application



High Efficiency
High Module conversion efficiency, through innovative manufacturing technology



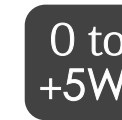
Low-Light Performance
Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments



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



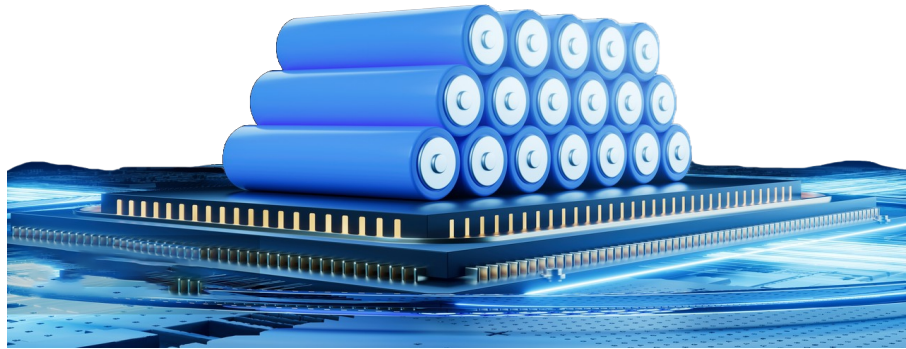
Durability against extreme environmental conditions
High salt mist and ammonia resistance certified by TUV



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
Self-Discharge						
3% of capacity declined per month at 20°C(average)						
Operation Temperature Range						
Discharge	-20~60°C					
Charge	-10~60°C					
Storage	-20~60°C					
Max.Discharge Current 77°F(25°C)	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

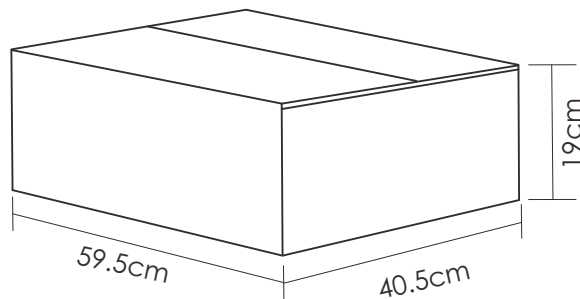
Every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified.



PRODUCT SPECIFICATION

Model	0911A50-01	Product Size
LED Type	3030LED 48PCS	<p>(Unit: mm)</p>
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

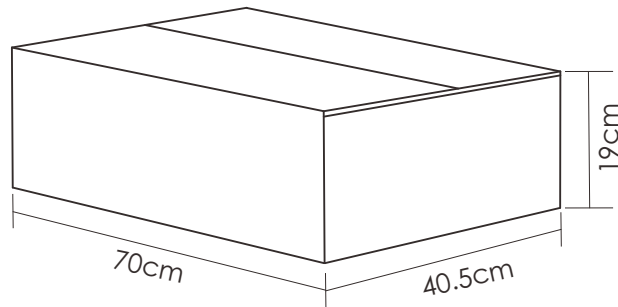
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0911A50-01	50W	59.50	40.50	19.00	1	0.0458	9.1



PRODUCT SPECIFICATION

Model	0911B100-01	Product Size
LED Type	3030LED 96PCS	
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	(Unit: mm)
Warranty	3 Years	

0911B100-01 | 100W



PACKAGING SPECIFICATION

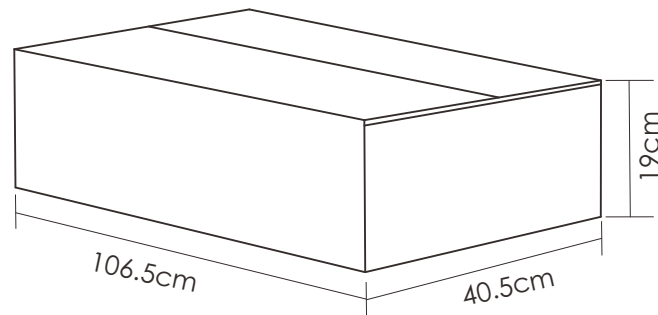
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0911B100-01	100W	70.00	40.50	19.00	1	0.0539	10.9



PRODUCT SPECIFICATION

Model	0911C150-01	Product Size
LED Type	3030LED 144PCS	<p>(Unit: mm)</p>
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

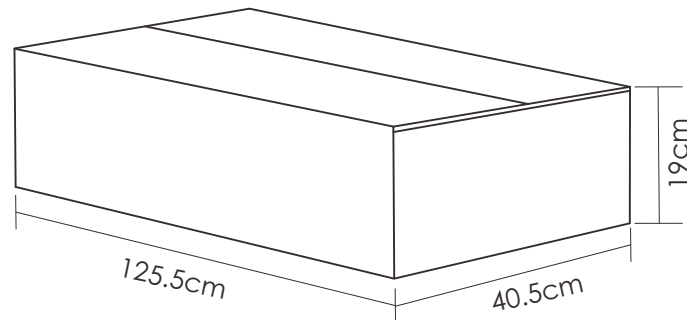
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0911C150-01	150W	106.50	40.50	19.00	1	0.0820	15.5



PRODUCT SPECIFICATION

Model	0911D200-01	Product Size
LED Type	3030LED 192PCS	<p>(Unit: mm)</p>
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

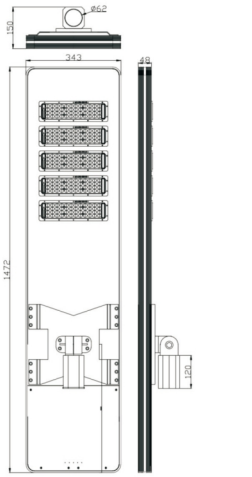


PACKAGING SPECIFICATION

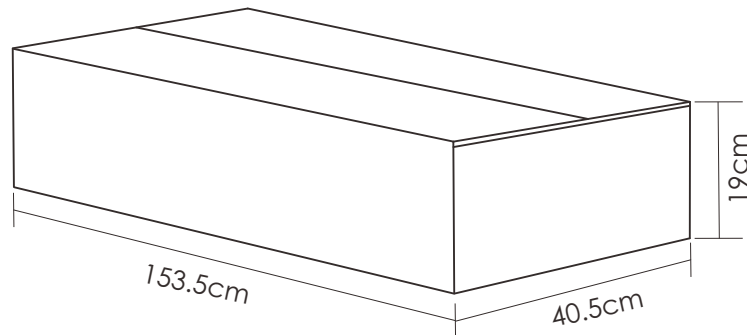
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0911D200-01	200W	125.50	40.50	19.00	1	0.0966	18



PRODUCT SPECIFICATION

Model	0911E250-01	Product Size
LED Type	3030LED 240PCS	 <p>(Unit: mm)</p>
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	

0911E250-01 250W

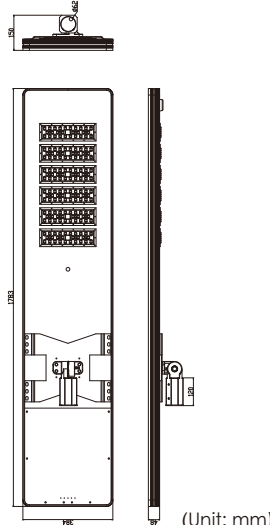


PACKAGING SPECIFICATION

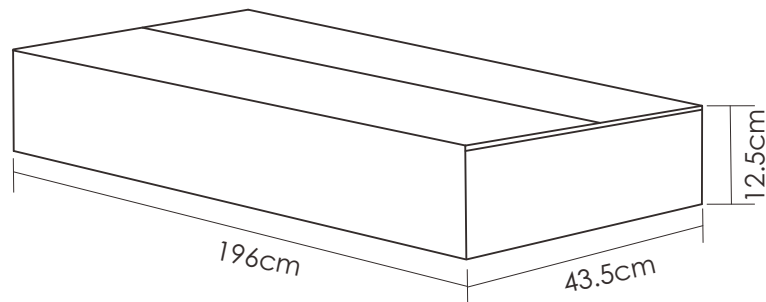
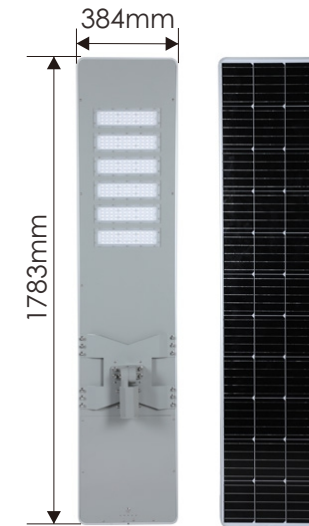
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0911E250-01	250W	153.50	40.50	19.00	1	0.1181	20.5



PRODUCT SPECIFICATION

Model	0911F300-01 <th>Product Size</th>	Product Size
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



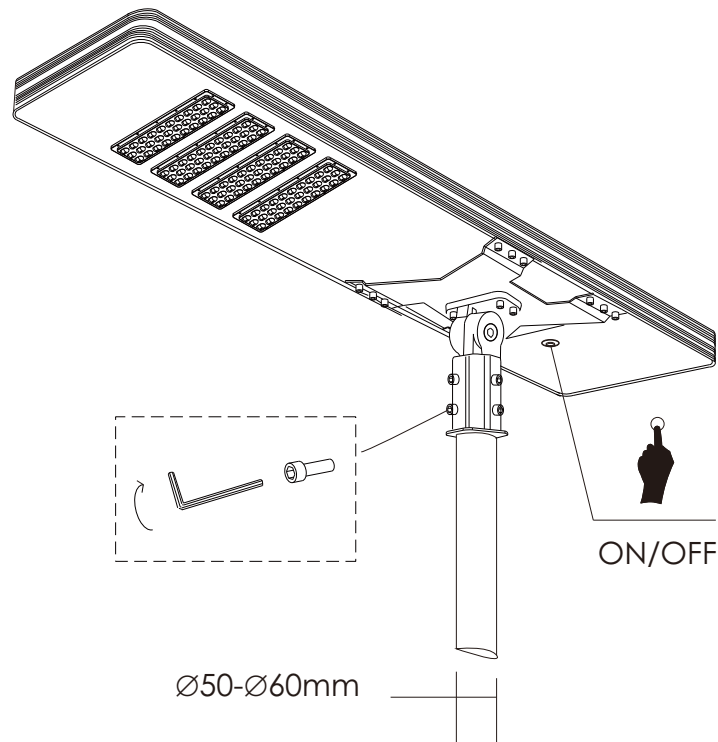
PACKAGING SPECIFICATION

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



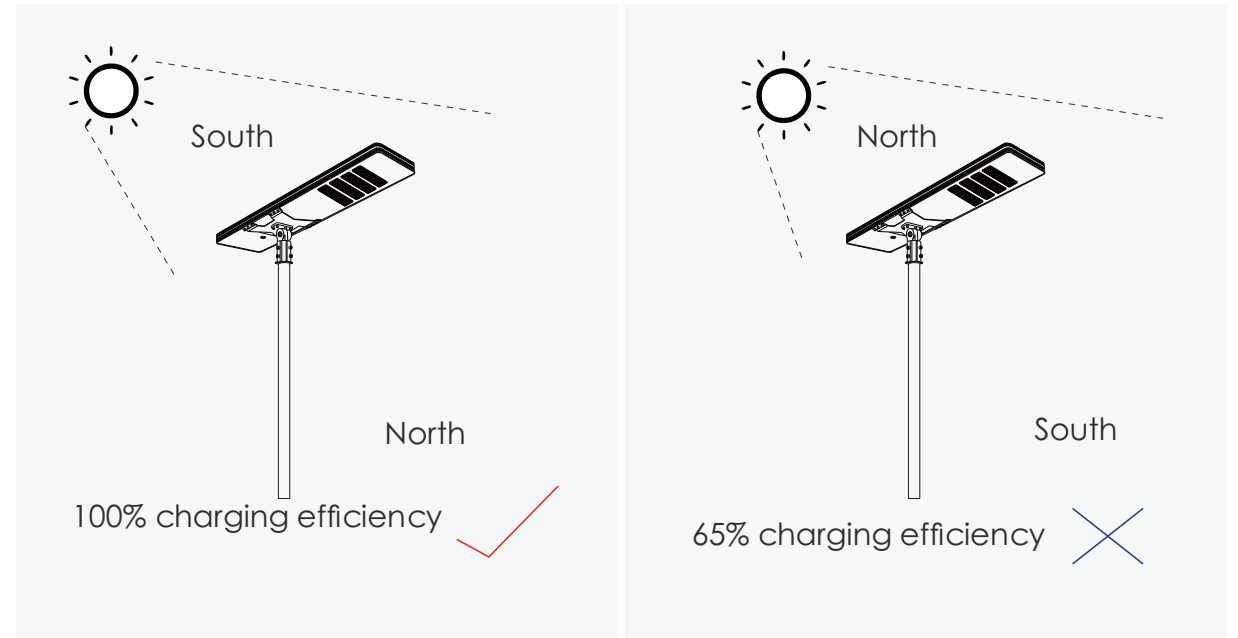
INSTALLATION GUIDE

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.