



ALL-IN-ONE SOLAR STREET LIGHT

200W/300W/400W

Our all-in-one solar street lights are super bright and ultra-wide, with outdoor street lights covering up to 80°, can easily illuminate areas such as 400 square feet. And built-in high-capacity battery, the extra battery can increase the energy by 66%, making the life of the street light longer. It can be fully charged in 6-8 hours in the midday sun and give you up to 30-36 hours of nighttime lighting, providing bright lighting to keep your perimeter safe.



PRODUCT OVERVIEW

MOTION LIGHT SENSOR **01**

The solar powered street light charging during the day and light up at night automatically. Constantly light motion sensor. brightness all can be customized by remote control. The solar street light has built-in light control. which can automatically adjust the light (light on at dusk, turn off at dawn, and enter charging mode).

GOOD QUALITY AND FAST CHARGING **02**

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.

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.

COPE HARSH WEATHER, IP65 WATERPROOF **04**

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.



PRODUCT DETAILS

01. Aluminum Material

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

02. Motion Sensor

The light will work automatically at night. When people come, the light will working at 100% power, after people gone, the light will working at 30% power.

03. Battery

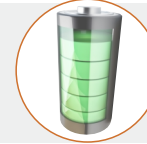
Long battery lifespan and more durable. Even use in the -20°C ~65°C area.



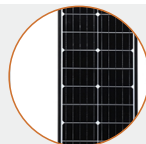
01. Aluminum



02. Motion Sensor



03. Battery



04. Solar Panel



05. LED Chip



06. Optical Lenses

04. Solar Panel

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

05. LED Chip

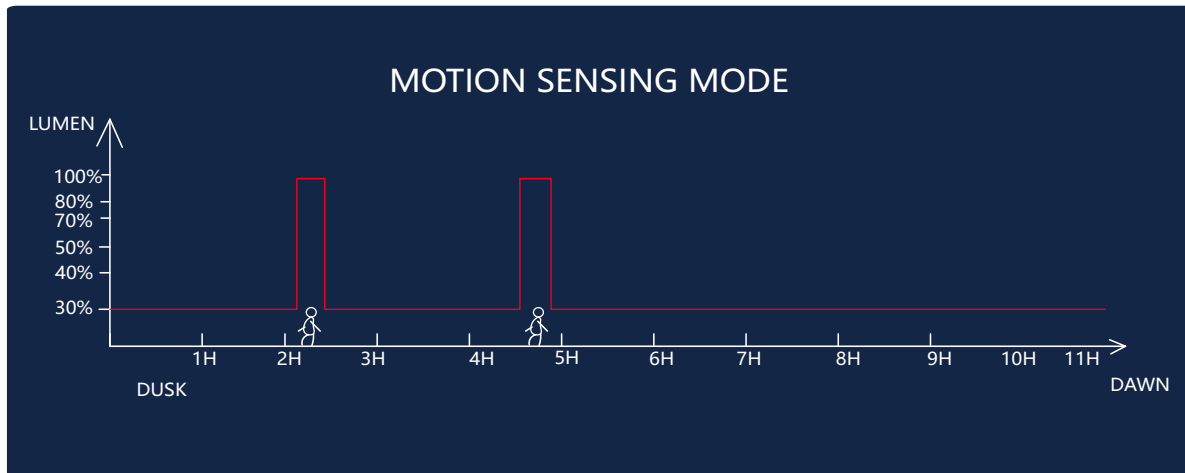
Built-in LED chip, enable solar street lights to emit high brightness with low heat even after long time usage.

06. Optical Lens

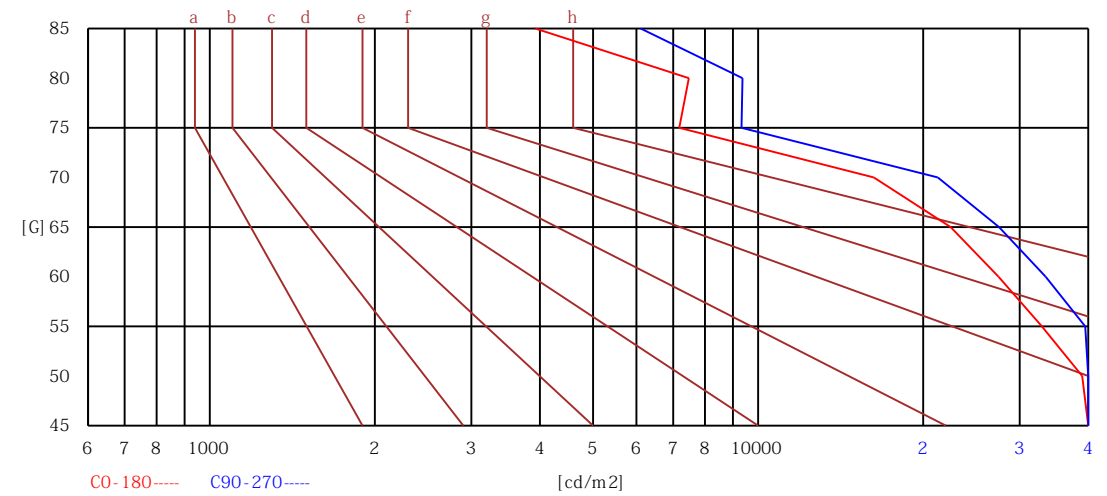
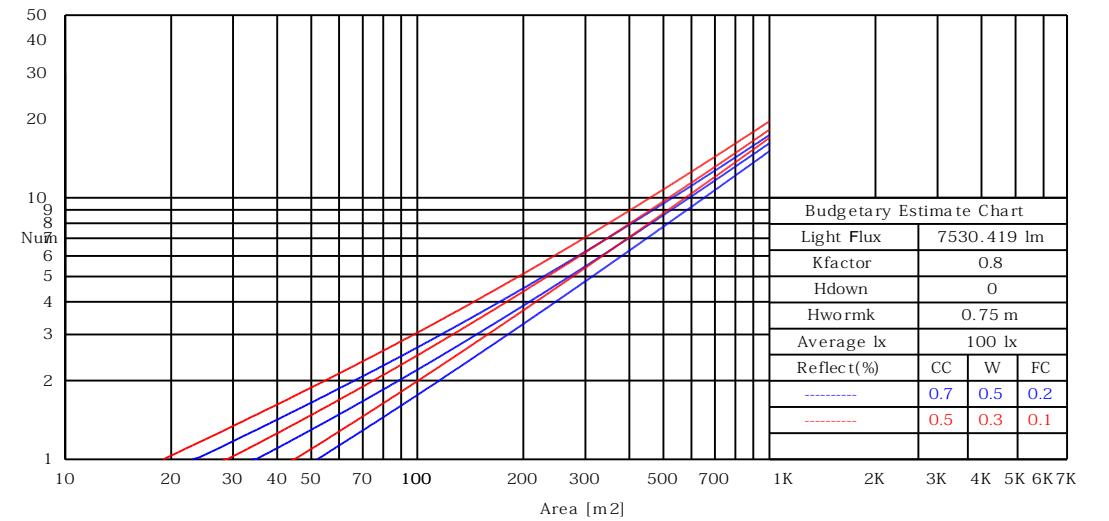
The Lens makes the light spot is uniform, there is no astigmatism, no shadow, and the transmittance is very high, which maximizes the utilization of LED light.



HOW THE LIGHT WORKS

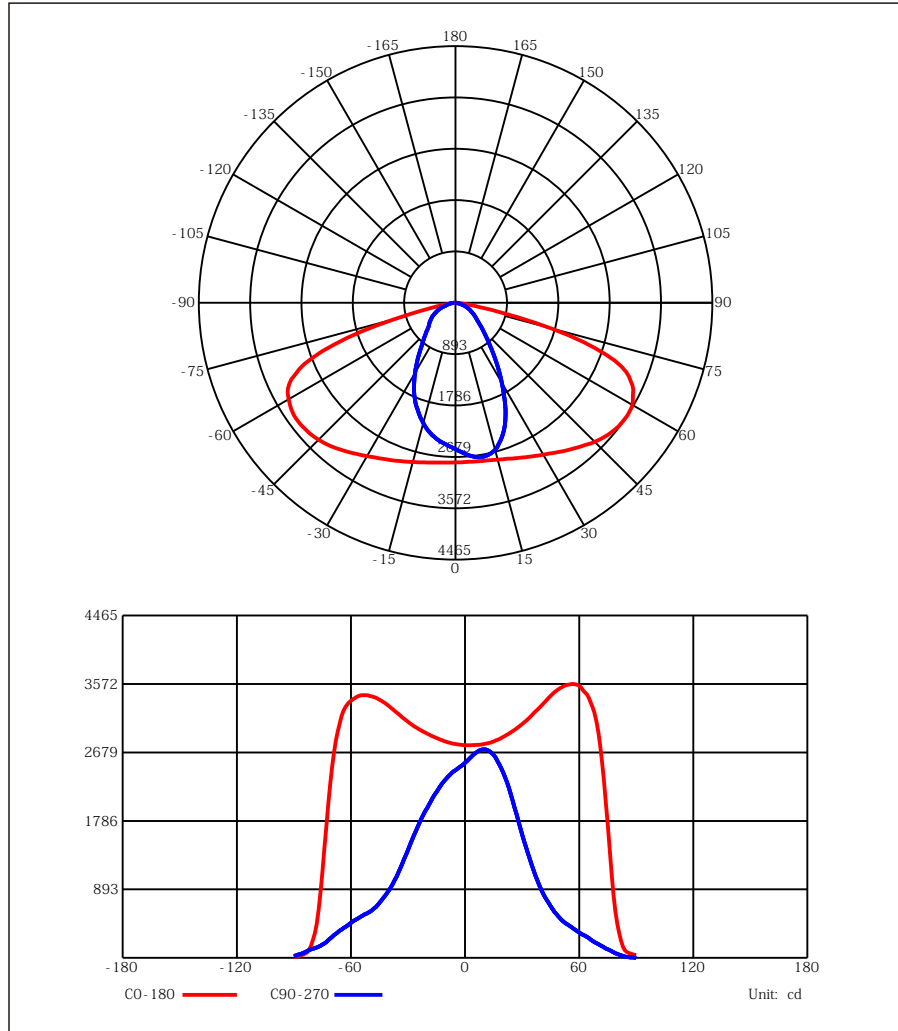


LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

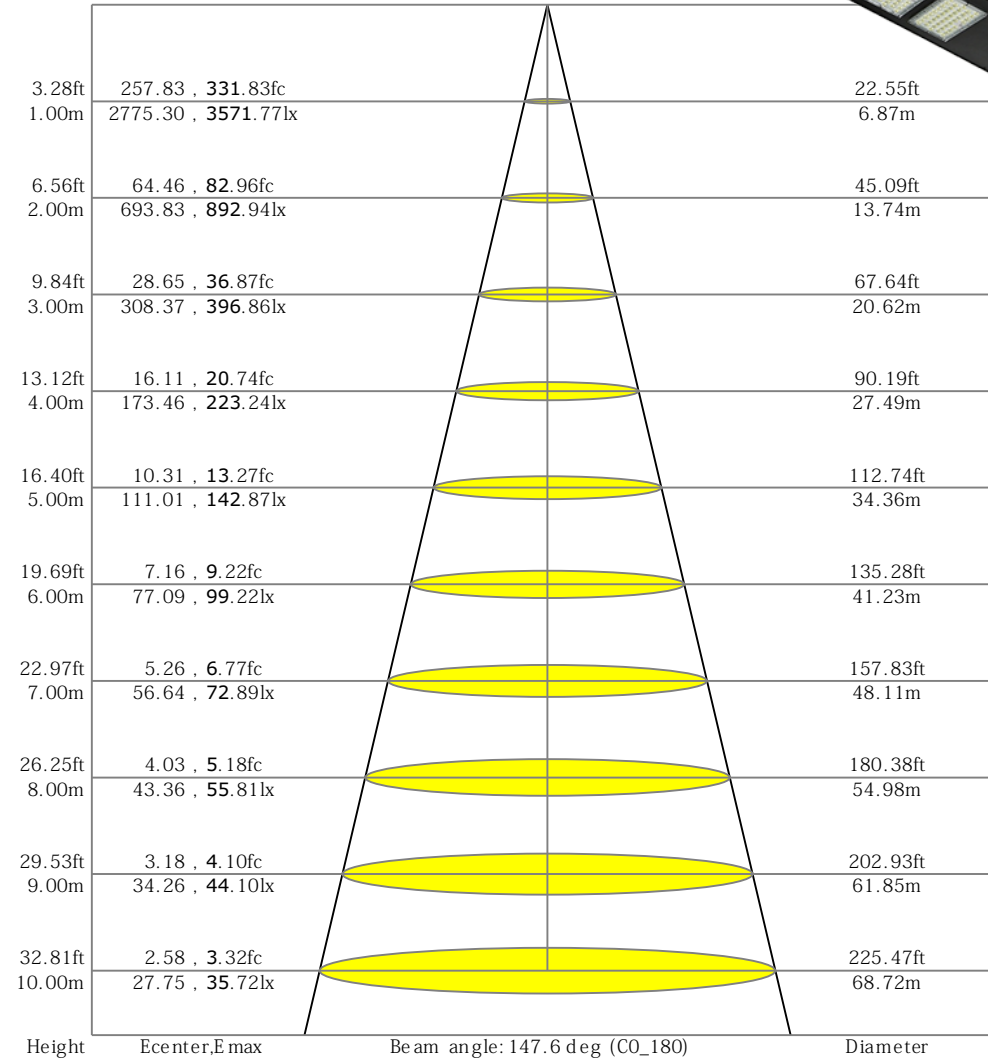




LIGHTING DATA

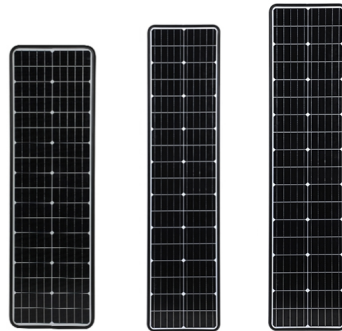


LX-DISTANCE DIAGRAM





SOLAR PANEL SPECIFICATION



Specifications

Peak Power(Pmax)	88/100/130
Maximum Power Voltage(Vmp)	18/18/16.5
Maximum Power Current(Imp)	4.888/5.555/7.878
Open Circuit Voltage(Voc)	22.1/22.1/20.6
Short Circuit Current(Isc)	5.988/6.655/8.978
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

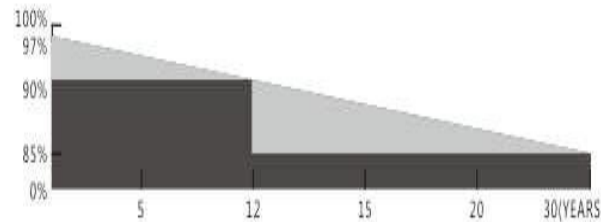
Mechanical characteristics

Dimensions	1185*336*4.5mm 1465*336*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



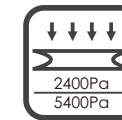
5 Busbar Cell:
5 Busbar Solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance making it perfect for rooftop installation and application



High Efficiency
High Module conversion efficiency, through innovative manufacturing technology



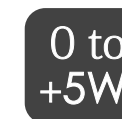
Low-Light Performance
Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments



Severe 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

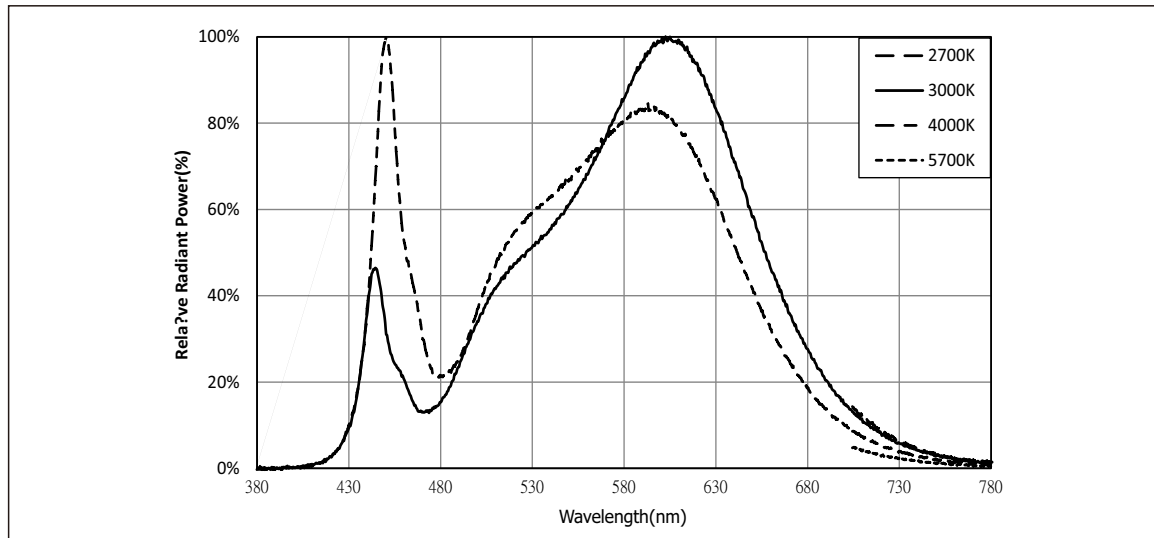


INTRODUCTION SMD 3030

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 flexibility

Features

- Industry-standard 3030 footprint Excellent color maintenance
- 9 bin color control enables tight color control
- Superior luminous flux 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 configurations for a wide range of lighting applications



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.



BATTERY SPECIFICATION



DesignLife	6-8 years		
Nominal Voltage	12.8V		
Nominal Capacity	64AH	80AH	96AH
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		

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.

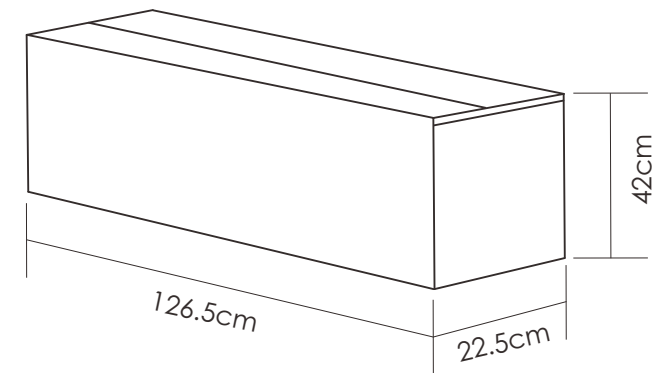




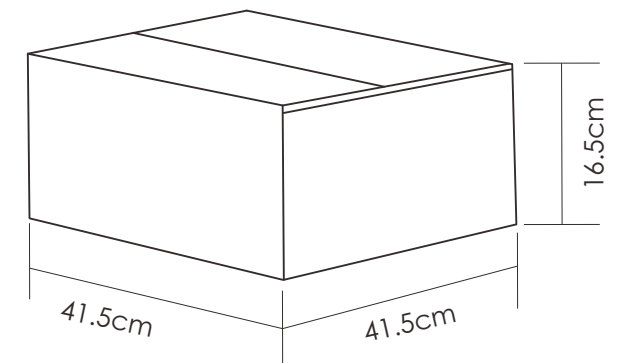
PRODUCT SPECIFICATION

Model	0278B200-12	Product Size
LED Lamp	3030 LED 144PCS 6000K	
Solar Panel	18V 88W, Mono-Crystalline	
Battery Type	LiFePO4 12.8V 64AH	
Charging time	6-8 hours	
Discharging time	30-36 hours	
Control Way	100%Long bright+70%Long bright+ PIR Detection	
Led	160 lm/w	
Material	Aluminum	
Product Size	1207*358*303mm	
Install Height	5-7m	
Warranty	3 years	

Lamp body packing



Mounting steering head packing



PACKAGING SPECIFICATION

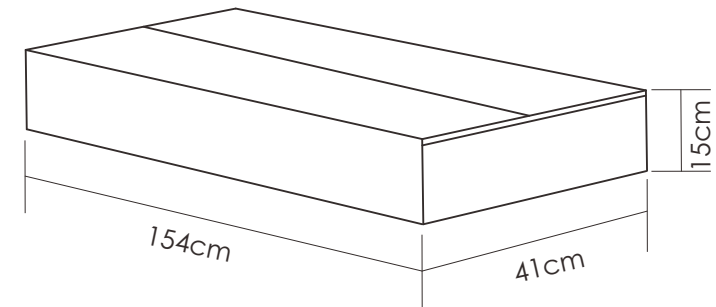
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)	Name
		L	W	H				
0278B200-12	200W	126.50	22.50	42.00	2	0.1195	27.5	Lamp body
		47.50	41.50	16.50	20	0.0325	27	Mounting steering head



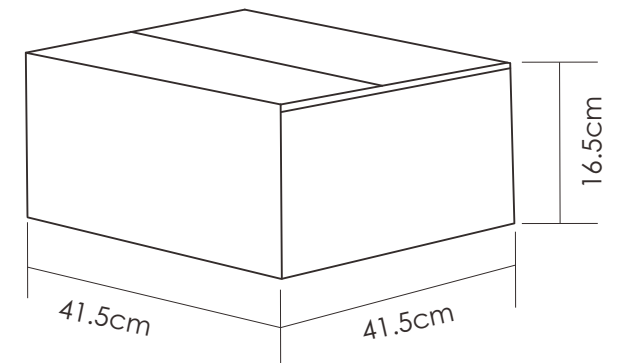
PRODUCT SPECIFICATION

Model	0278C300-01	Product Size
LED Lamp	3030 LED 216PCS 6000K	
Solar Panel	18V 100W, Mono-Crystalline	
Battery Type	LiFePO4 12.8V 80AH	
Charging time	6-8 hours	
Discharging time	30-36 hours	
Control Way	100%Long bright+70%Long bright+ PIR Detection	
Led	160 lm/w	
Material	Aluminum	
Product Size	1487*358*303mm	
Install Height	6-8m	
Warranty	3 years	

Lamp body packing



Mounting steering head packing



PACKAGING SPECIFICATION

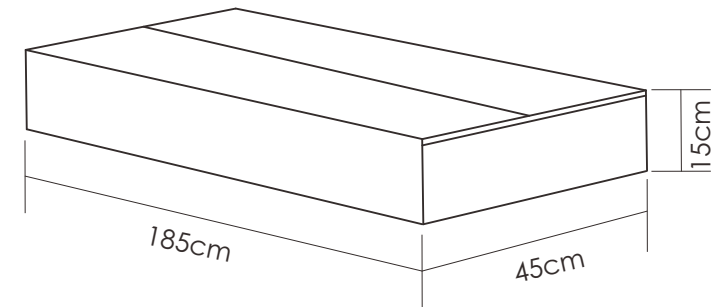
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)	Name
		L	W	H				
0278C300-01	300W	154.00	41.00	15.00	1	0.0947	22	Lamp body
		47.50	41.50	16.50	20	0.0325	27	Mounting steering head



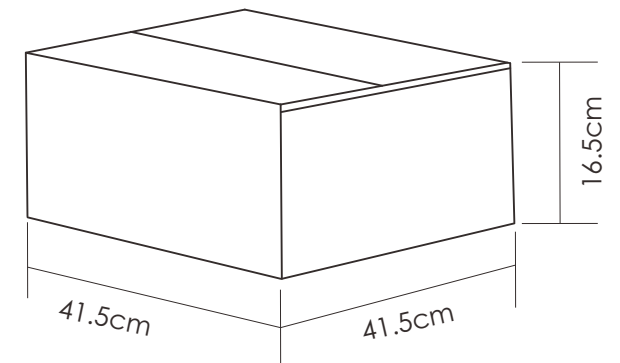
PRODUCT SPECIFICATION

Model	0278D400-08	Product Size
LED Lamp	3030 LED 288PCS 6000K	
Solar Panel	16.5V 130W, Mono-Crystalline	
Battery Type	LiFePO4 12.8V 96AH	
Charging time	6-8 hours	
Discharging time	30-36 hours	
Control Way	100%Long bright+70%Long bright+ PIR Detection	
Led	160 lm/w	
Material	Aluminum	
Product Size	1800*400*303mm	
Install Height	7-9m	
Warranty	3 years	

Lamp body packing



Mounting steering head packing



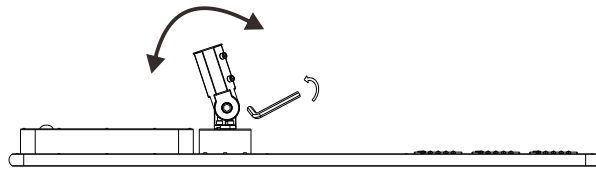
PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)	Name
		L	W	H				
0278D400-08	400W	185.00	45.00	15.00	1	0.1249	27	Lamp body
		47.50	41.50	16.50	20	0.0325	27	Mounting steering head

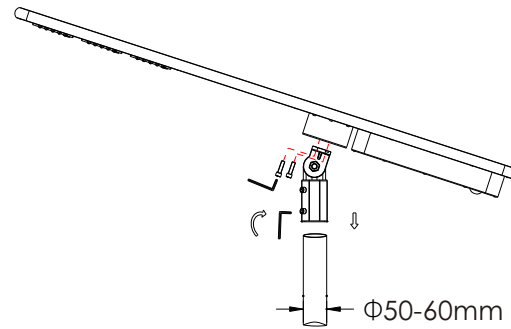


INSTALLATION GUIDE

1. Loosen the nut and adjust the angle.

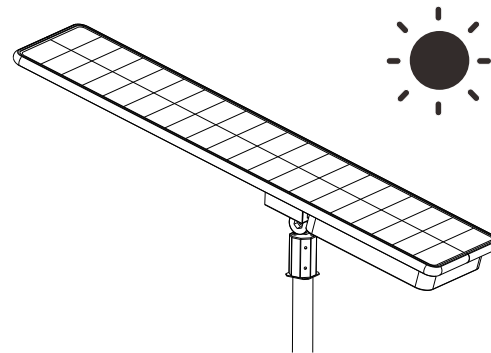


2. Use the supplied screws to fix the lamp on the post.

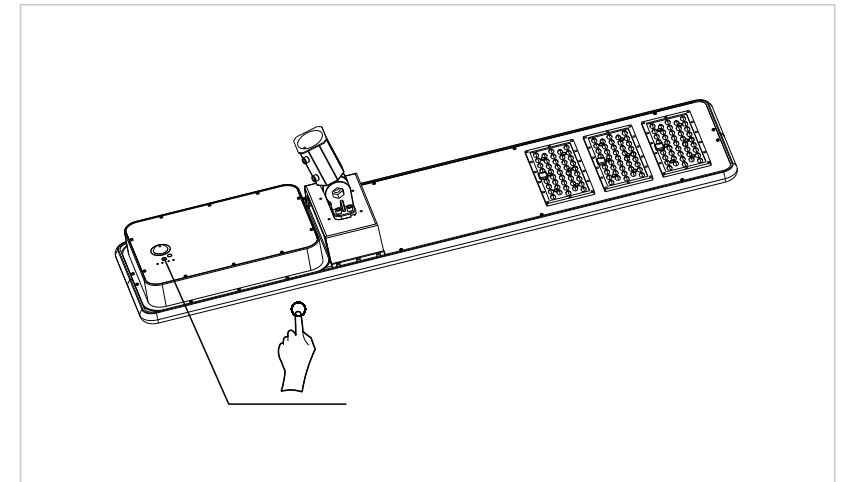


Tips:

1. Installation direction of the solar panel is 5-10 degrees south to west, an angle of 35 degrees with the horizontal plane.
2. Please install the solar panel in the sun direction to avoid affecting the power generation efficiency.
3. Please ensure the installation is stable.



WORKING PROCESS INSTRUCTIONS



Switch function: ON, OFF and change between three working modes.

1. Press and hold for 2 seconds to turn on/off the lamp.
2. Three working modes as follow:
 - (1) Green indicator (100% brightness)
 - (2) Yellow indicator (70% brightness)
 - (3) Red indicator (Sensor mode: high brightness when people near, dim when nobody near)



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.

