

## GOOD QUALITY AND FAST CHARGING

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 guarantees high brightness and long working hours from dusk to dawn, and the brightness can reach 100% 3000K illumination when fully charged, guaranteeing long-term ultra-bright illumination.

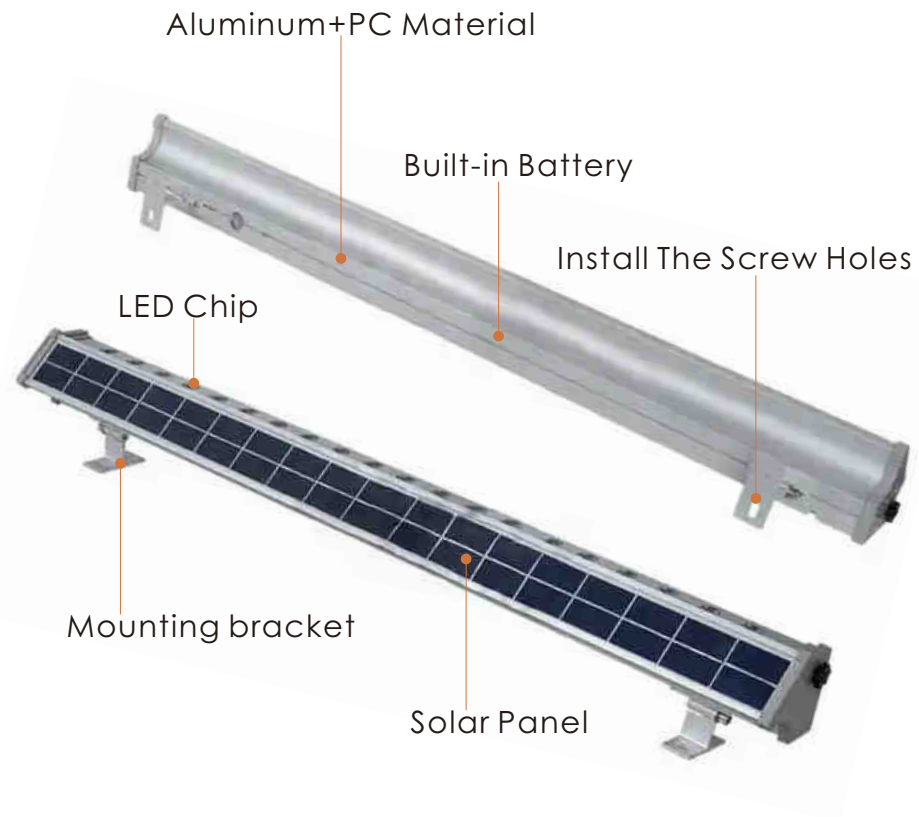
## WIDE RANGE OF APPLICATIONS

The solar panel is installed in a sunny place, and the light body can be installed outdoors. It can be widely used in terraces, billboards, garages, decks, houses, balconies, porches, sidewalks, stairs, steps, columns, entrances, etc.

## LARGE-AREA LIGHTING AROUND THE CLOCK

Waterproof grade IP65, excellent rain resistance, no need to worry about rain, snow or any bad weather, suitable for all-weather, wide lighting area, provide stable light, bright and uniform light, simple installation, meet your daily life needs, protect your safety at night travel.





## Solar Panel

High quality Polycrystalline silicon material, high charging efficiency, long lifespan.



## LED Chip

Moisture-proof and waterproof, high quality LED chip has a wide lighting range.



## Battery

The battery life is long, more durable, energy-saving and environmentally friendly, even when used in the -20°C-65°C area.



## PC Lampshade

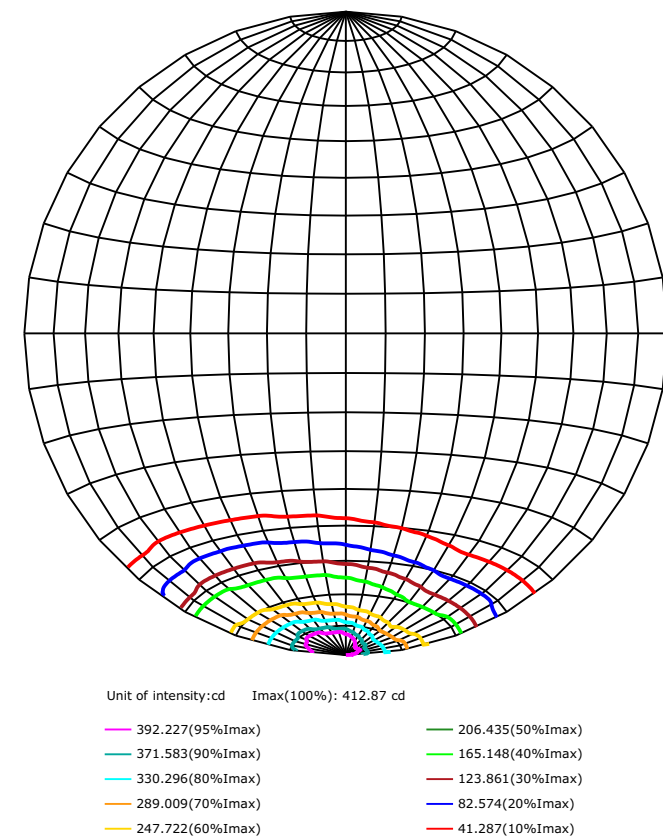
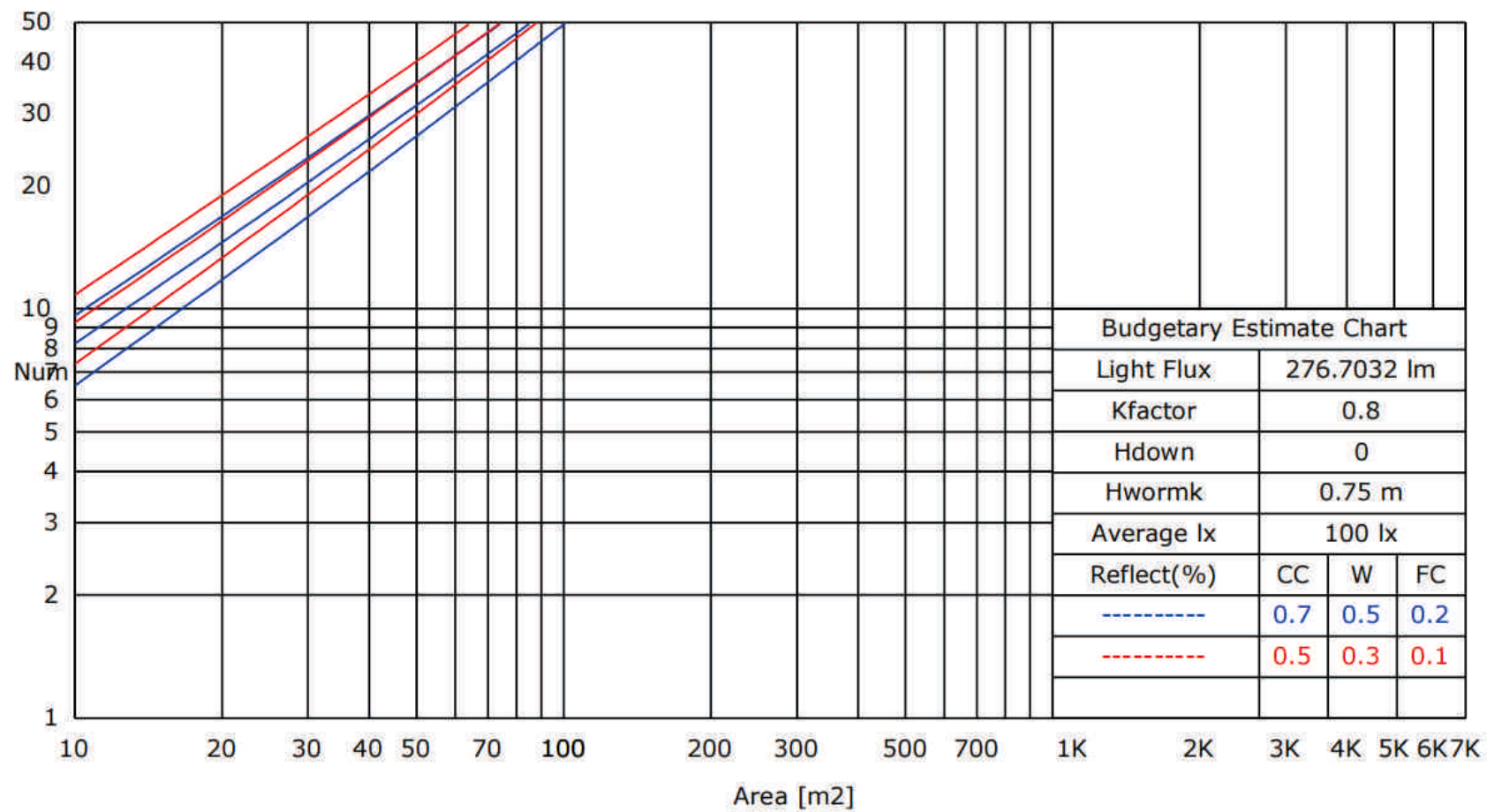
PC lampshade, built-in LED light source, high light transmittance, high temperature resistance, no deformation, not easy to corrode.



## Aluminum Material

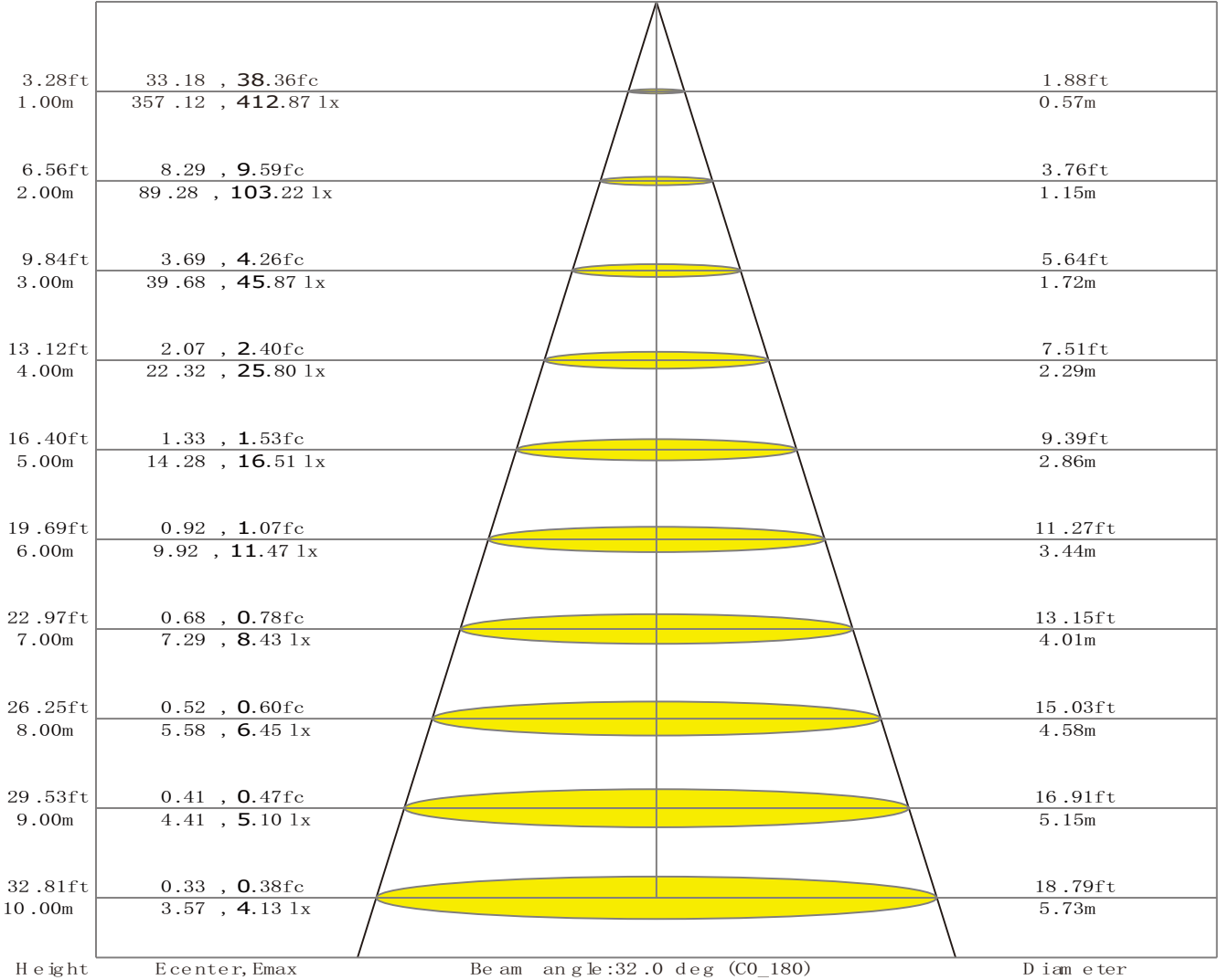
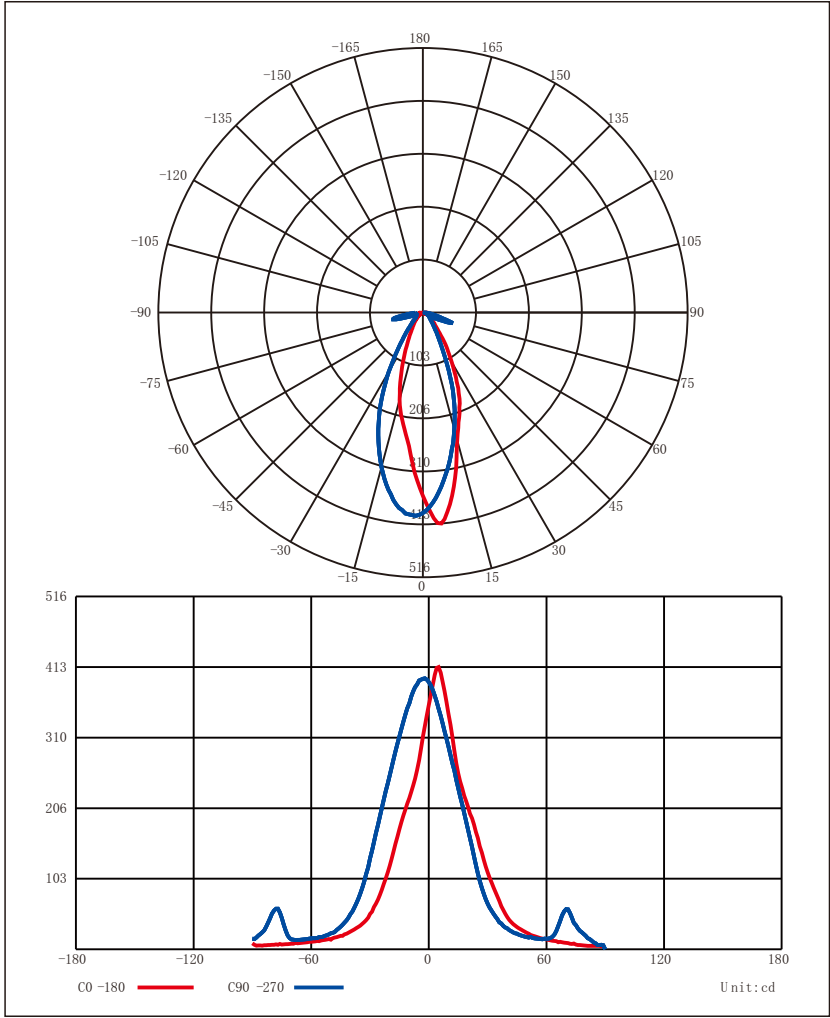
It can effectively isolate moisture, and has excellent heat dissipation effect and corrosion resistance.







# SUNRAY SOLUTIONS





Bridgelux Thrive combines unique chip, phosphor and packaging technology to closely match the spectra of natural light over the visible wavelength range. Thrive can be used in constant color point luminaires to bring full spectrum natural light indoors or in tunable white luminaires to incorporate circadian elements that may impact human well-being. The high fidelity spectral output of Thrive creates stunning environments with excellent color rendering and outstanding TM30 metrics. Thrive is available in both SMD components and LED arrays to enable a broad range of lighting applications including retail, hospitality, office, education, architectural, museums, healthcare and residential lighting.

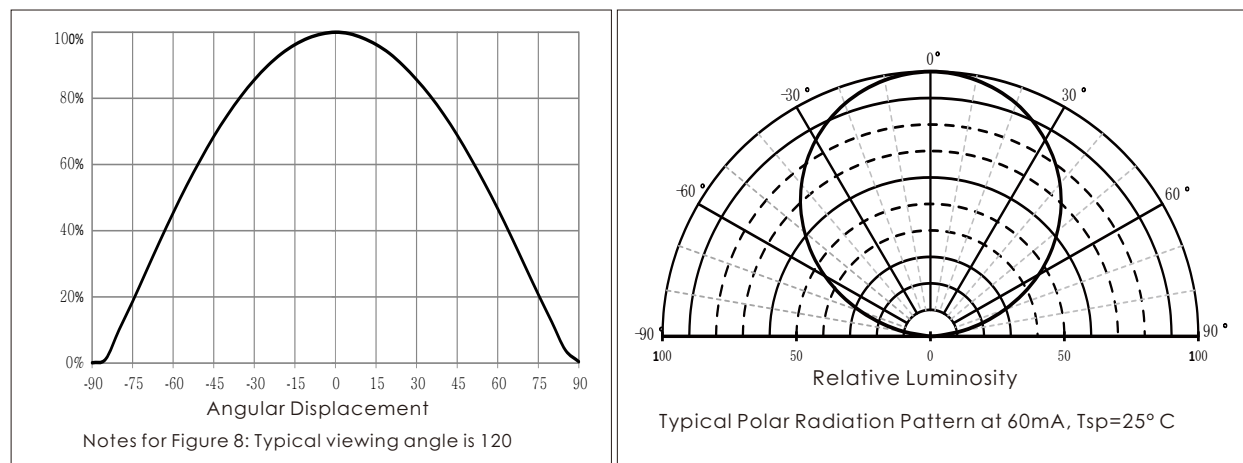
## Features

- Full consistent spectrum with fewer spectral spikes
- Natural and vivid color rendering
- Greater energy savings, lower utility costs
- Economical, high efficiency solution
- Uniform and consistent white light under application conditions
- Ease of design and rapid go-to-market
- Enables greater design flexibility and platform color consistency

## Benefits

- Engineered spectra to closely match natural light
- CRI > 90, R9 > 50, high Rf and Rg values
- High efficiency full spectrum solution
- No violet chip augmentation
- Hot color targeted
- Industry standard 2835 footprint
- Broad product platform availability (SMDs and COBs)

## TYPICAL RADIATION





DesignLife	6-8 years	
Nominal Voltage	3.2V	3.2V
Nominal Capacity	12AH	12AH
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	



## 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.



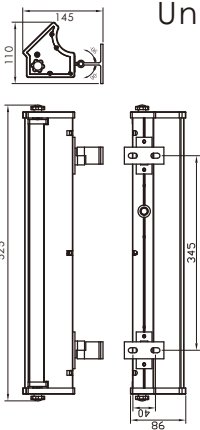
## 03. Precision Welding Machine

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

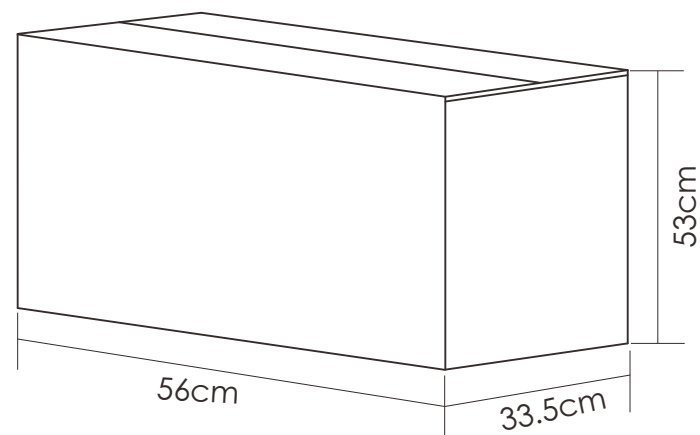
Every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified.

Model	0850A10-01	Product Size
LED Lamp	2835 LED 10PCS 3000K	 Unit: mm
Solar Panel	5.5V 4W, Polycrystalline	
Battery Type	LiFePO4 3.2V 12AH	
Charging time	6-8 hours	
Discharging time	20-24 hours	
Led	160 lm/w	
Material	Aluminum+PC	
Product Size	525*110*145 mm	
Warranty	2 years	

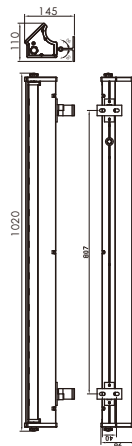
## PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0850A10-01	10W	56.00	33.50	53.00	8	0.0994	18.2

0850A10-01





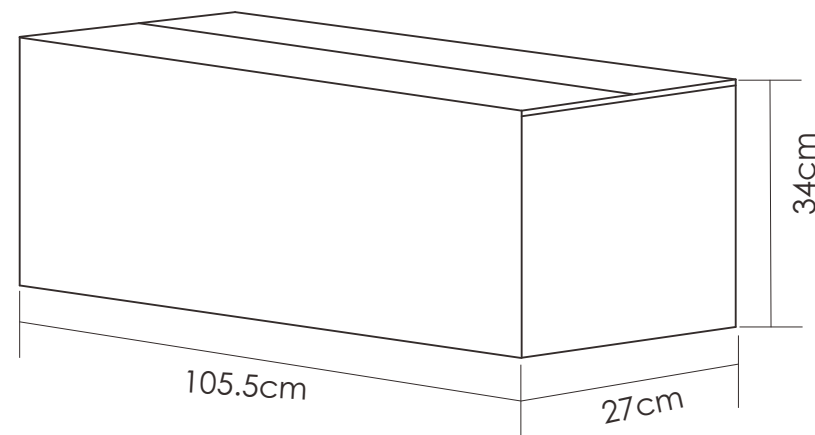
Model	0850B20-01	Product Size
LED Lamp	2835 LED 20PCS 3000K	 Unit: mm
Solar Panel	9V 8.5W, Polycrystalline	
Battery Type	LiFePO4 6.4V 12AH	
Charging time	6-8 hours	
Discharging time	20-24 hours	
Led	160 lm/w	
Material	Aluminum+PC	
Product Size	1020*110*145 mm	
Warranty	2years	

0850B20-01

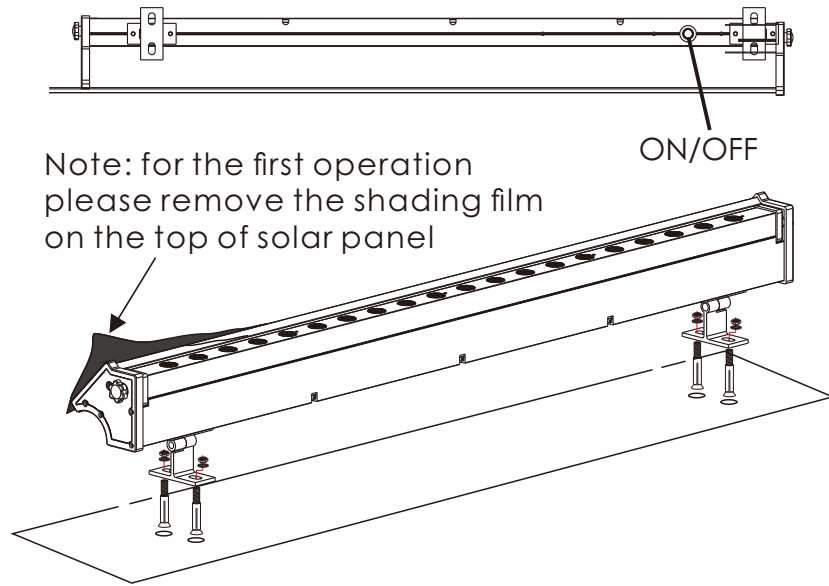


## PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0850B20-01	20W	105.50	27.00	34.00	4	0.0968	15.5







## WARNING

- Please avoid looking directly at the light.
- 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 the guidance of experts, users are forbidden to repair or dismantle the lights; The supplier shall not be responsible for any consequences owing to incorrect operation or wrong maintained by users.

## APPLICATION

