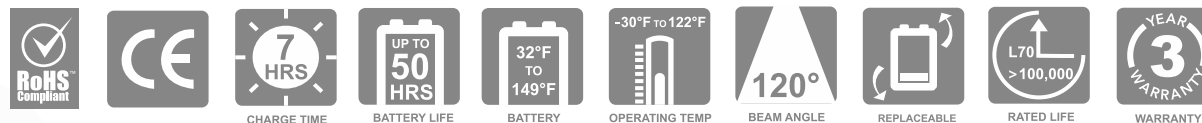




ALL-IN-ONE SOLAR STREET LIGHT

100W/200W/300W/400W

LED solar street lights are composed of photovoltaic power generation system, energy storage system, and light control system. The 18%+ conversion rate solar panel converts solar energy into electricity and stores it in battery, which provides power to the lighting control system at night, realizing 100% energy saving.



<https://chinagode.com>



PRODUCT OVERVIEW

► Cope Harsh Weather, IP65 Waterproof

This solar street light has very good waterproof, rainproof and lightning-proof performance, -4° F~120°F temperature resistance, IP65 waterproof, can work in all kinds of bad weather.

► Easy to install, no wiring required

The LED street light is easy to install with screws, no wiring or ditching required. You can install solar lights on walls, trees, light poles, etc. wherever you want to install them.

► Secondary optical design

The secondary optical design makes the light emitted by the LED light source illuminate the illuminated area through the secondary focusing, so that the light can be effectively used.

HOW THE LIGHT WORKS





PRODUCT DETAILS

LED Chip

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

Anti-UV 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.

Motion Sensing

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.

Solar Panel

High quality polycrystalline silicon material, high charging efficiency, long lifespan

Die-casting Aluminium Lamp Housing

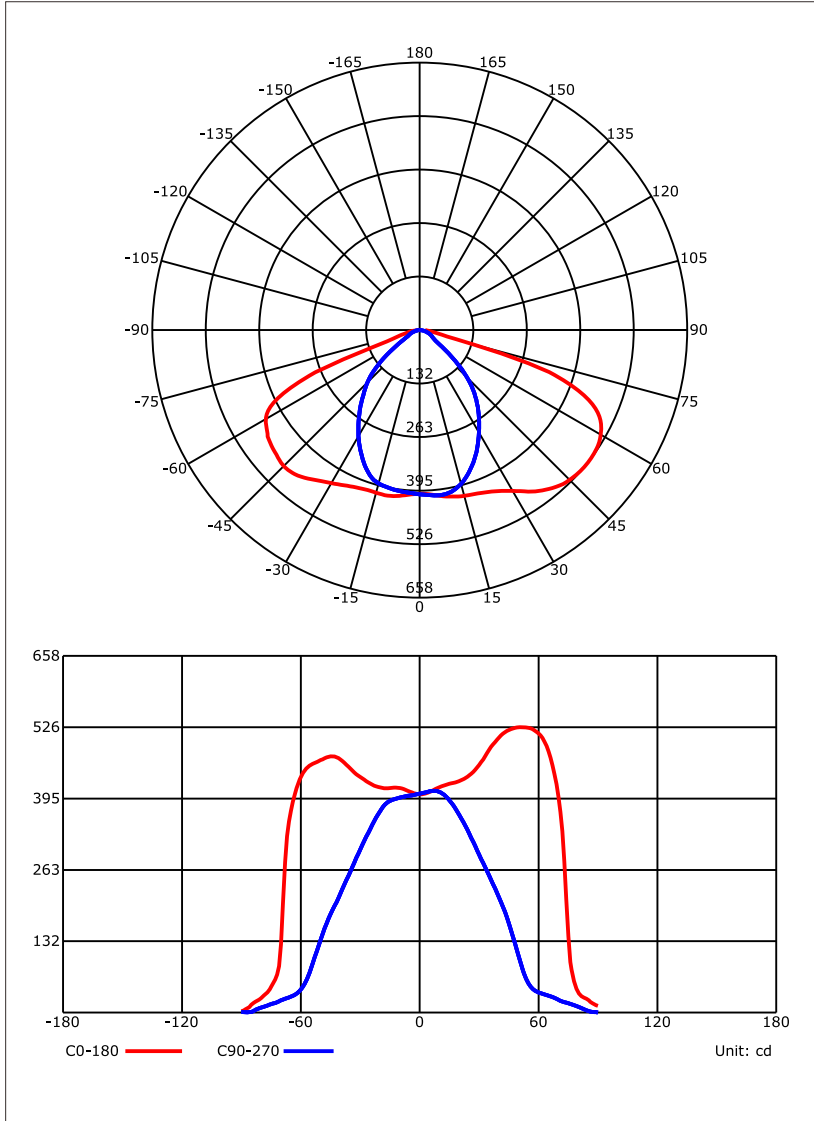
The lamp housing is made of die-cast aluminum , anodizing treatment on surface, and no fade. which is strong and stable, waterproof and rust-proof.

Battery

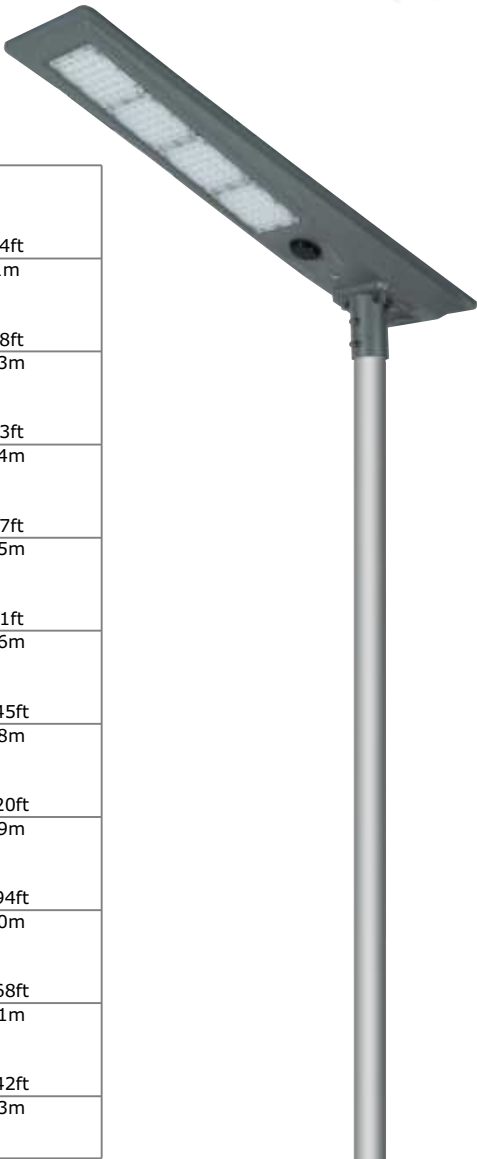
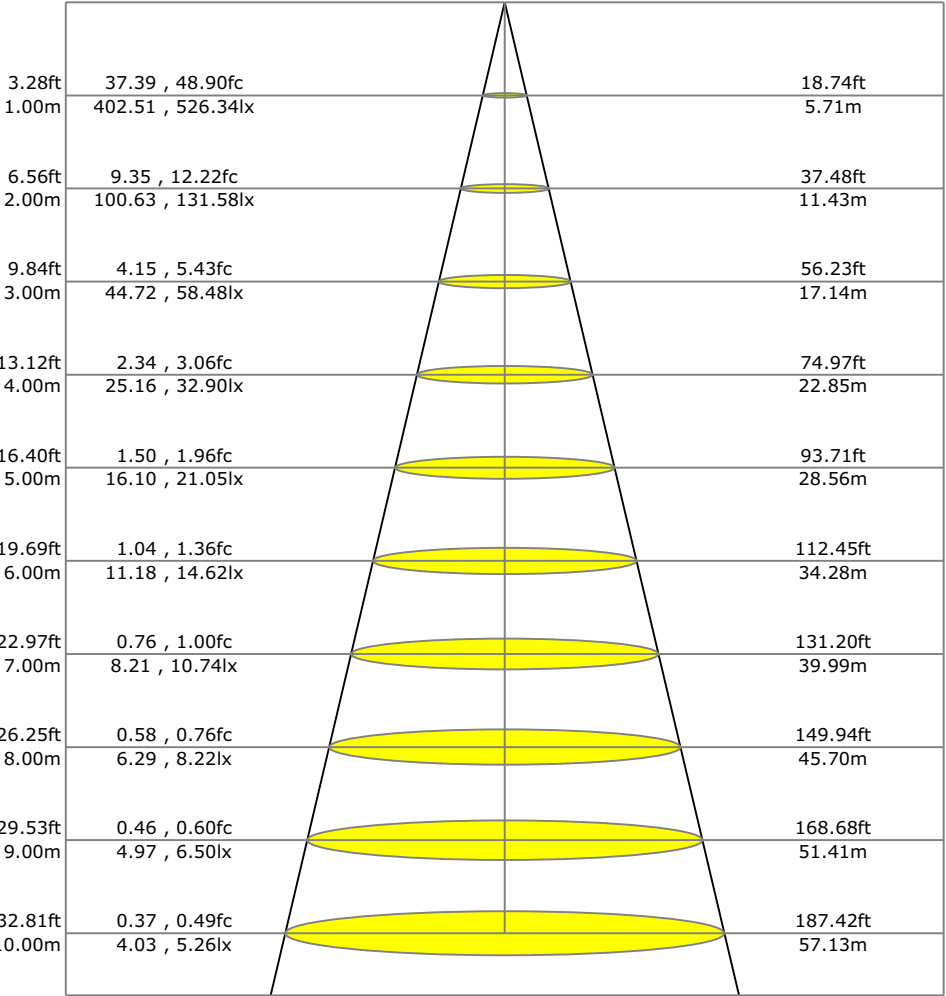
Long battery lifespan and more durable, even use in the -20°C~65°C area



LUMINOUS INTENSITY DISTRIBUTION CURVE

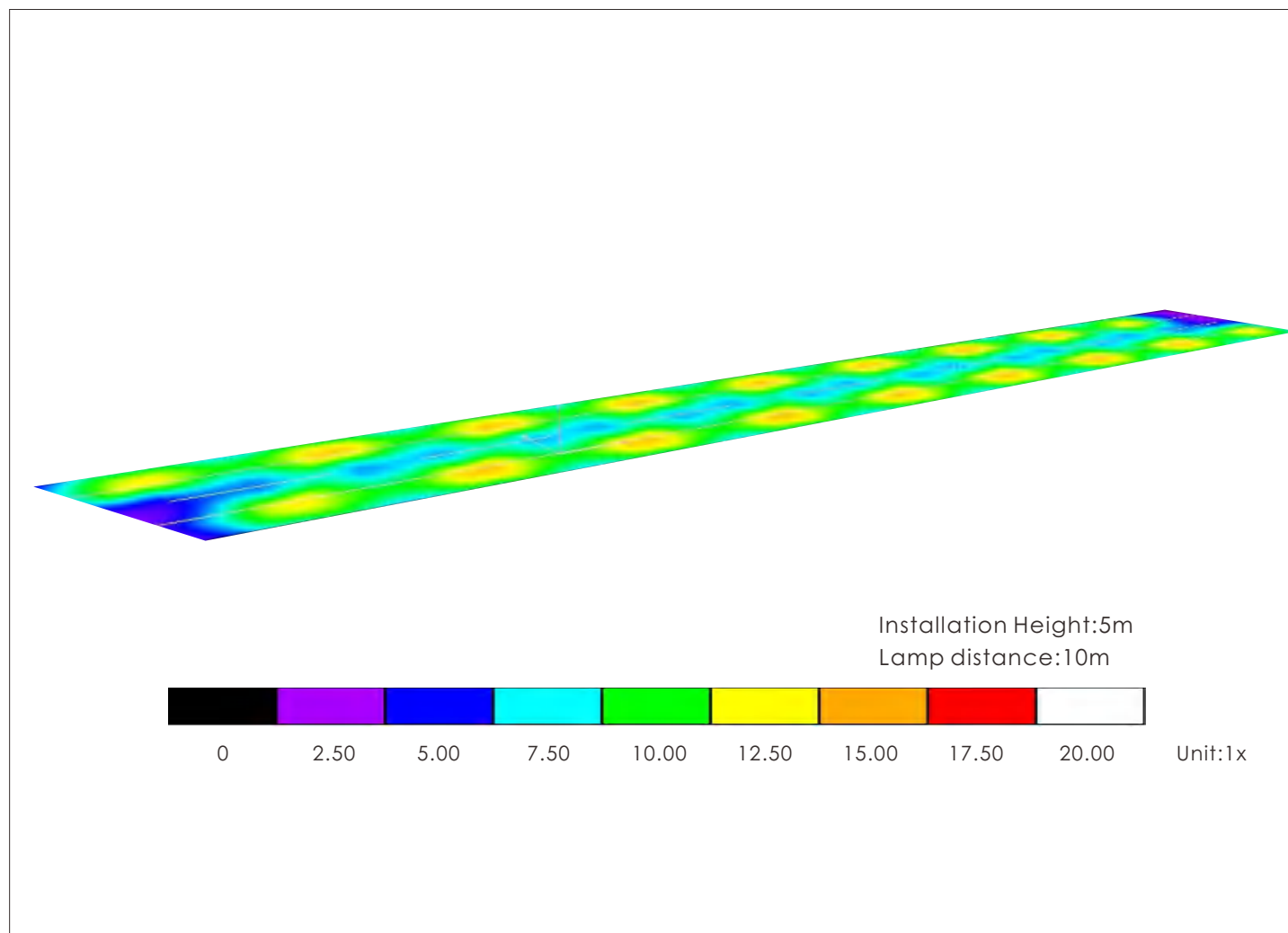


LX-DISTANCE DIAGRAM





200W DIALUX SIMULATION EFFECT



BATTERY SPECIFICATION

DesignLife	6-8 years			
Nominal Voltage	3.2V			
Nominal Capacity	24AH	30AH	36AH	48AH
Self-Discharge				
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.



SMD 3030 INTRODUCTION



The 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.

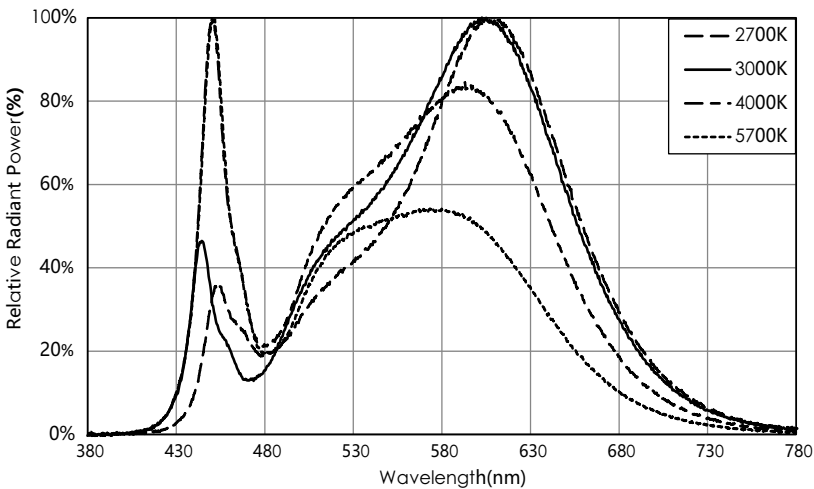
Features

- Industry-standard 3030 footprint
- 9 bin color control enables tight color control
- Hot-color targeting ensures that color is within the ANSI bin at the typical application conditions of 85°C
- Enables 3- and 5-step MacAdam ellipse custom binning kits
- RoHS compliant and lead free
- Multiple CCT configurations for a wide range of lighting applications

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

Typical Color Spectrum



Note: Color spectra measured at nominal current for Tsp = 25°C

SOLAR PANEL SPECIFICATION



Specifications

Peak Power(Pmax)	25/30/40/45
Maximum Power Voltage(Vmp)	5/5/5/5
Maximum Power Current(Imp)	5/6/8/9
Open Circuit Voltage(Voc)	9.61/9.63/9.65/9.68
Short Circuit Current(Isc)	5.17/6.17/8.17/9.25
Cells Efficiency(°C)	18.09
Module Efficiency(°C)	10.74
Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
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

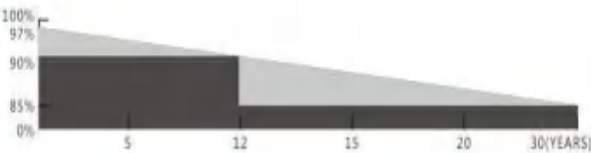
Mechanical characteristrtics

Front Glass	3.2mm high transmission,low iron,tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP65 Rated
Output cables	2.5mm² cable 90cm+mc4

Product Standard

Product Performance	IEC61215
Product Safety	IEC61730

Linear Performance Warranty



12
YEARS

Guarantee on product materail and workmanship

30
YEARS

Linear Power output warranty

Key Features



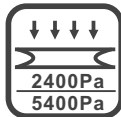
5 Busbar Cell:
5 Busbar Solar cell adpots new technology to improve the efficiency of modules,offers a better aesthetic apperance making it perfect for rooftop installation and application



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

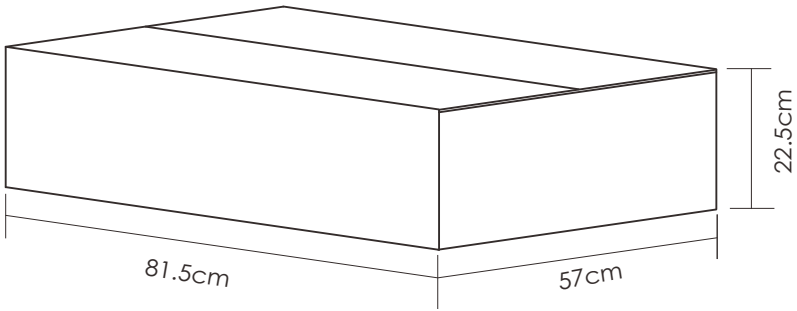


0- +5W Positive Tolerance
Detailed information in Electrical Specifications

PRODUCT SPECIFICATION

0363A100-05 100W

Model	0363A100-05
LED Chip	3030LED 30PCS
Luminous Efficiency	160lm/w
Color Temperature	3000~6000K for options
Solar Panel	5V 25W, Mono-crystalline
Battery Type	LiFePO4 3.2V 24AH
Charging Time	6-8 hours
Discharging Time	12-15 Hours
IP Rate	IP65
Material	Die-casting Aluminium
Product Size	662*238*175mm
Install Height	3-5m
Warranty	3 Years



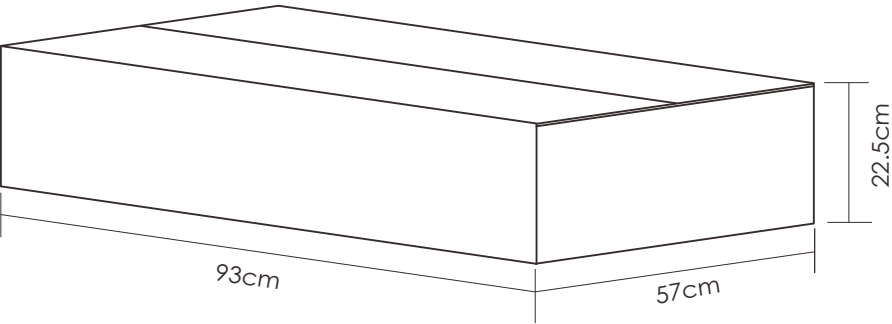
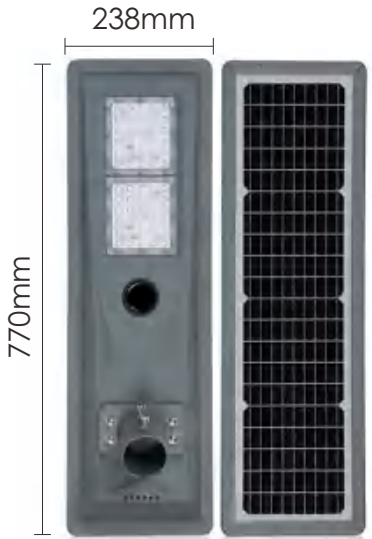
PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0363A100-05	100W	81.50	57.00	22.50	4	0.1045	18.10

PRODUCT SPECIFICATION

0363B200-05 200W

Model	0363B200-08
LED Chip	3030LED 60PCS
Luminous Efficiency	160lm/w
Color Temperature	3000~6000K for options
Solar Panel	5V 30W, Mono-crystalline
Battery Type	LiFePO4 3.2V 30AH
Charging Time	6-8 hours
Discharging Time	12-15 Hours
IP Rate	IP65
Material	Die-casting Aluminium
Product Size	770*238*175mm
Install Height	4-6m
Warranty	3 Years



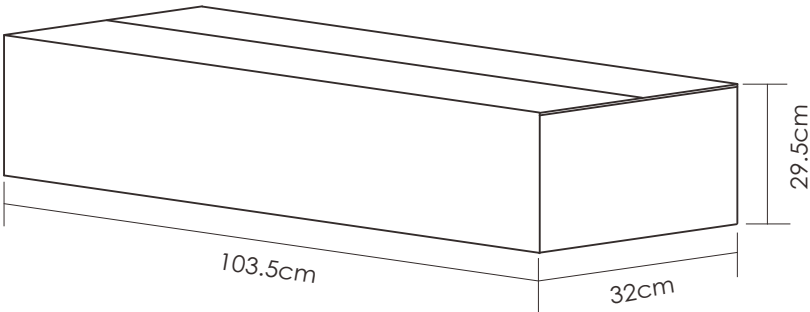
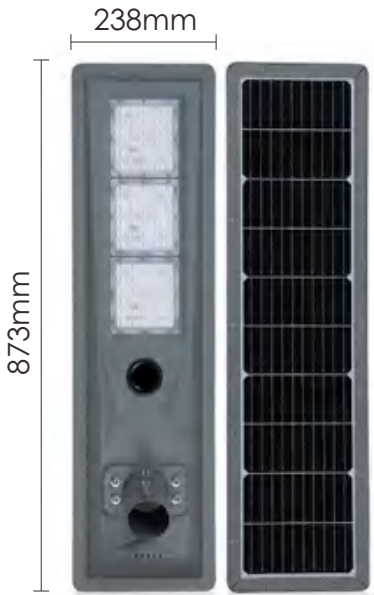
PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0363B200-08	200W	93.00	57.00	22.50	4	0.1193	19.60

PRODUCT SPECIFICATION

0363C300-05 300W

Model	0363C300-05
LED Chip	3030LED 90PCS
Luminous Efficiency	160lm/w
Color Temperature	3000~6000K for options
Solar Panel	5V 40W, Mono-crystalline
Battery Type	LiFePO4 3.2V 36AH
Charging Time	6-8 hours
Discharging Time	12-15 Hours
IP Rate	IP65
Material	Die-casting Aluminium
Product Size	873*238*175mm
Install Height	5-7m
Warranty	3 Years

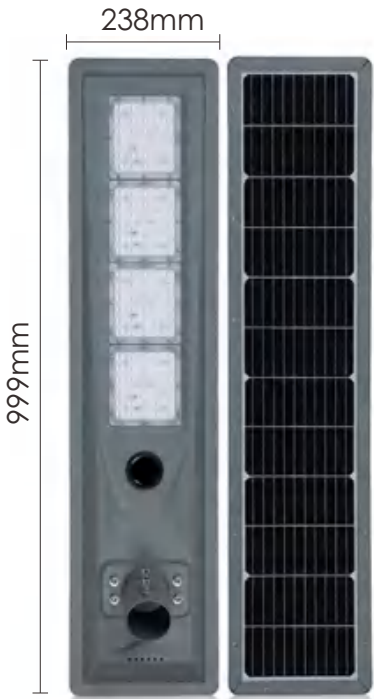
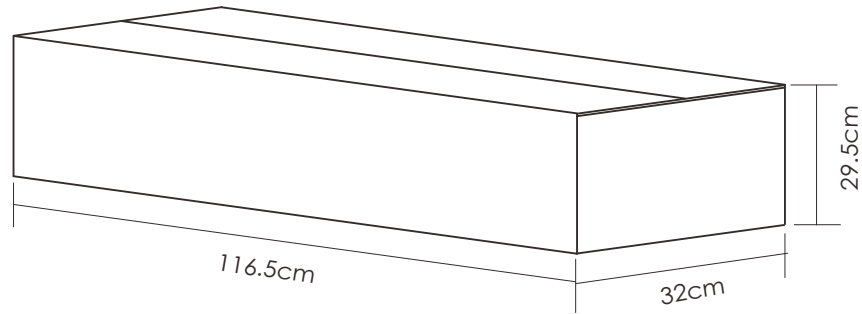


PACKAGING SPECIFICATION

P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0363C300-05	300W	103.50	32.00	29.50	3	0.0977	18.20

PRODUCT SPECIFICATION

Model	0363D400-05
LED Chip	3030LED 120PCS
Luminous Efficiency	160lm/w
Color Temperature	3000~6000K for options
Solar Panel	5V 45W, Mono-crystalline
Battery Type	LiFePO4 3.2V 48AH
Charging Time	6-8 hours
Discharging Time	12-15 Hours
IP Rate	IP65
Material	Die-casting Aluminium
Product Size	999*238*175mm
Install Height	6-8m
Warranty	3 Years



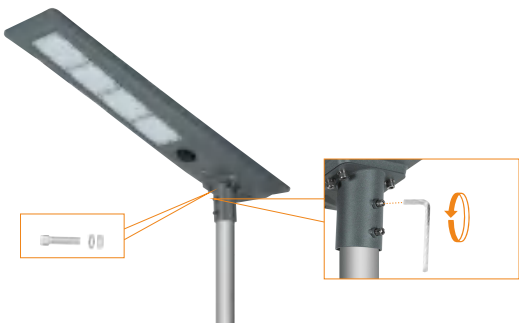
0363D400-05 400W

PACKAGING SPECIFICATION

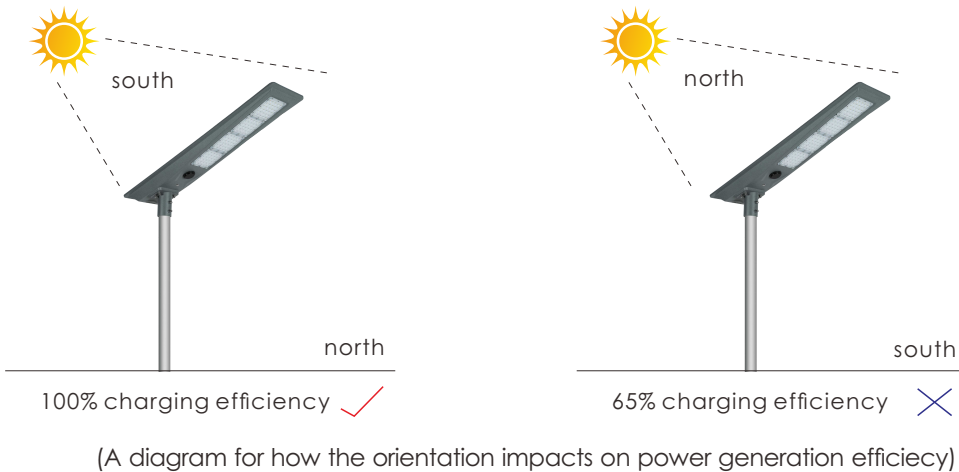
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN (KGS)
		L	W	H			
0363D400-05	400W	116.50	32.00	29.50	3	0.1100	/

USER GUIDE

1. Insert the lamp arm into the lamp body and tighten the screw.



2. Please select the appropriate product according to the installation site's sunlight intensity and required operating time. If you are in the northern hemisphere, face the solar panels towards the south as far as possible when installing the solar light; if you are in the southern hemisphere, face the solar panels towards the north.



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.



APPLICATIONS

