

ALL-IN-ONE

SOLAR STREET LIGHT

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

High Quality Solar Panels

Fast energy storage, 20% higher photoelectric conversion rate, and with a built-in lithium battery, it only takes 6-8 hours to fully charge.

High Brightness Solar Light

This street light has high-brightness energy-saving LED beads, suitable for outdoor places such as courtyards, gardens, patios, parking lots, etc.

Easy To Installation

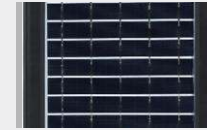
The solar street light is easy to install, and can be mounted on a wall or a pole, it can saving installation costs and maintenance costs, electricity bills as well.

Worry-Free Warranty

3 years warranty if anything goes wrong. free to call or email us any time.



PRODUCT DETAILS



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

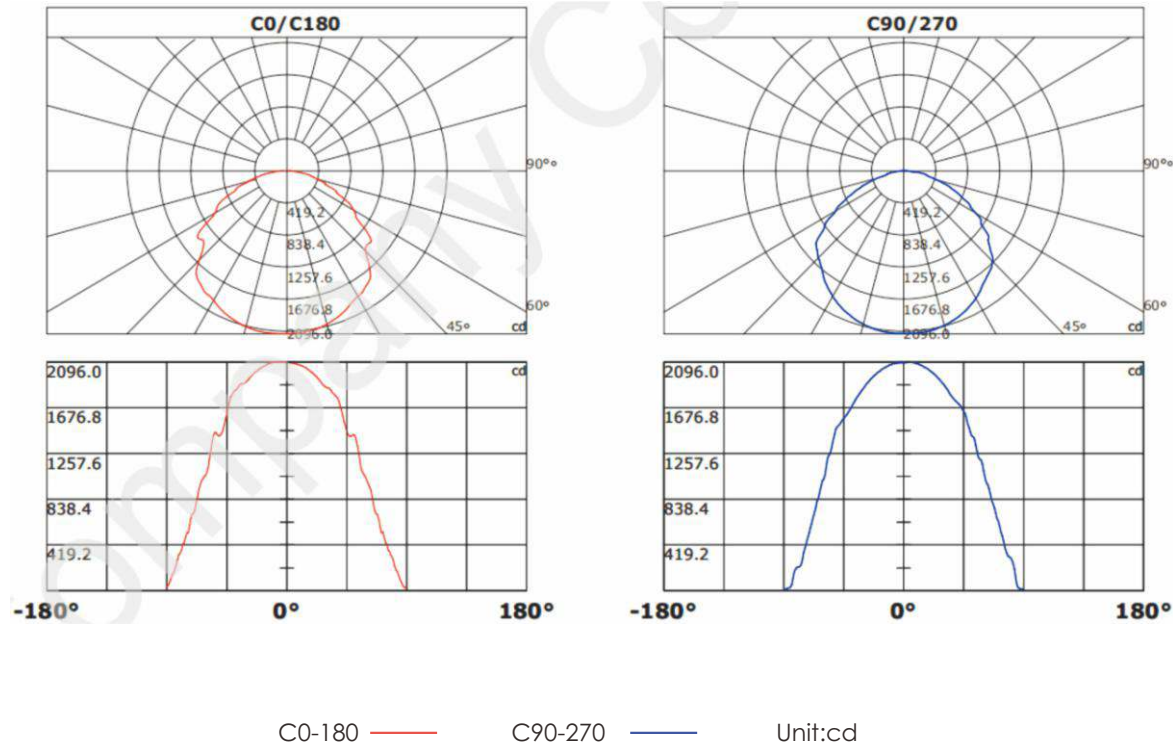
Long battery lifespan and more durable, even use in the -20°C~65°C area



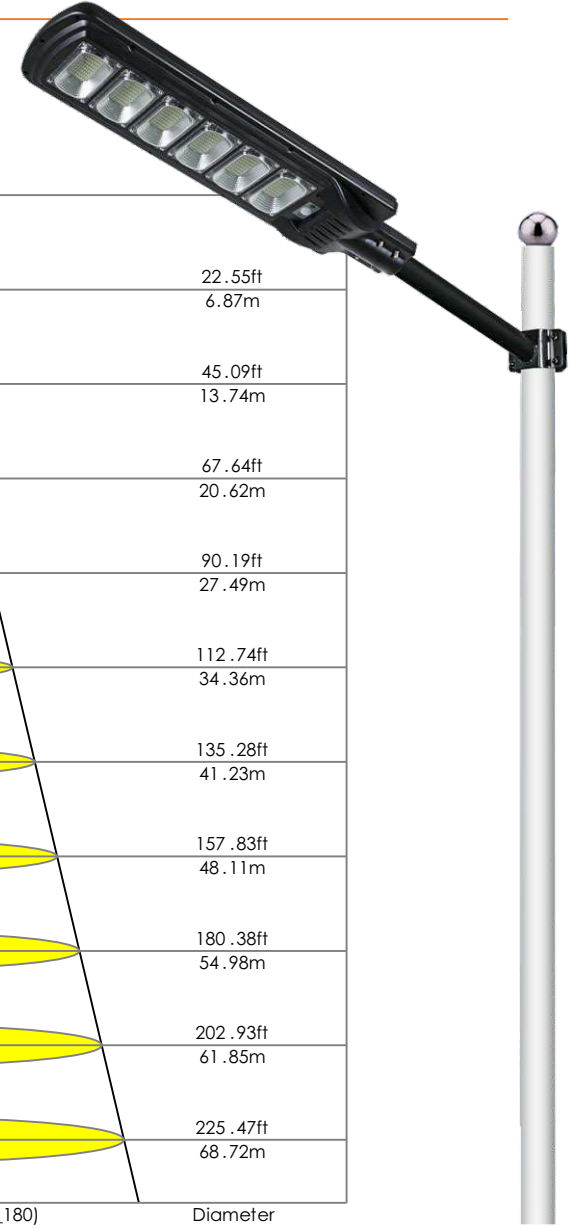
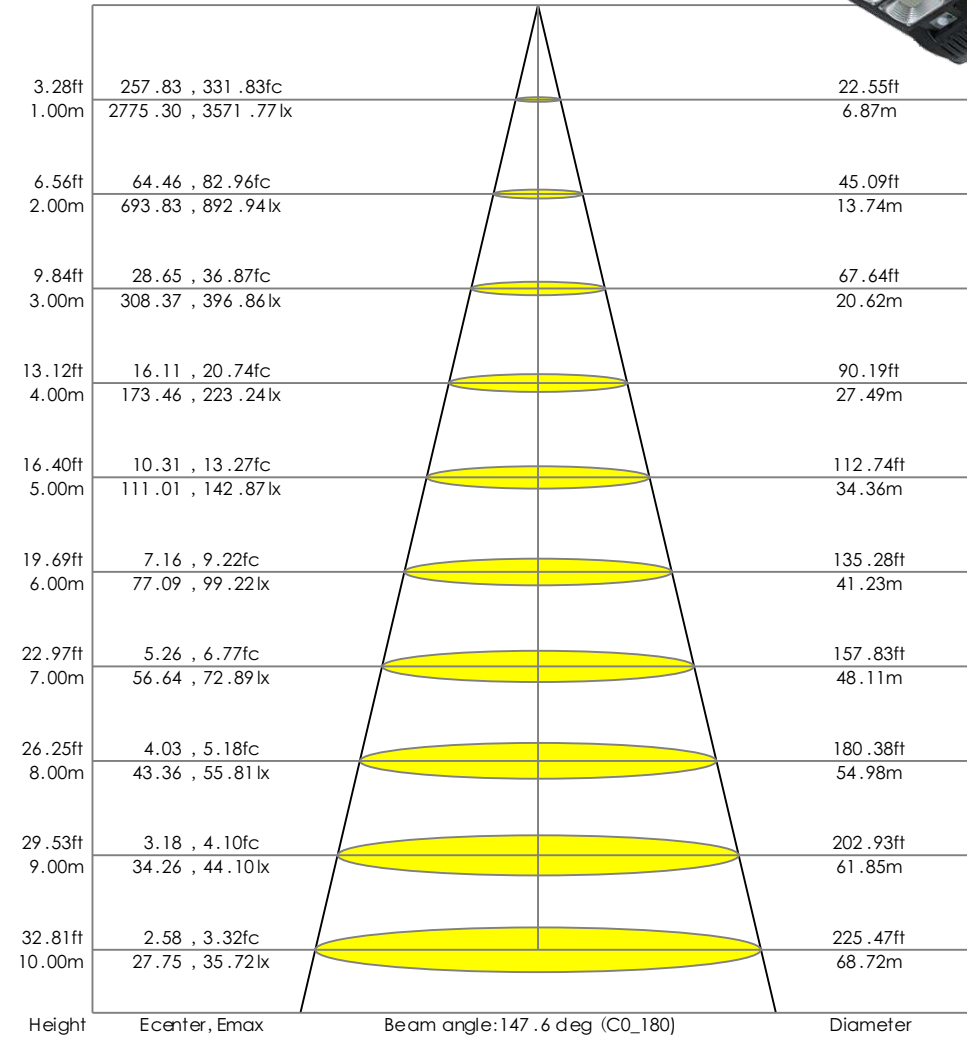
Motion sensing

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.

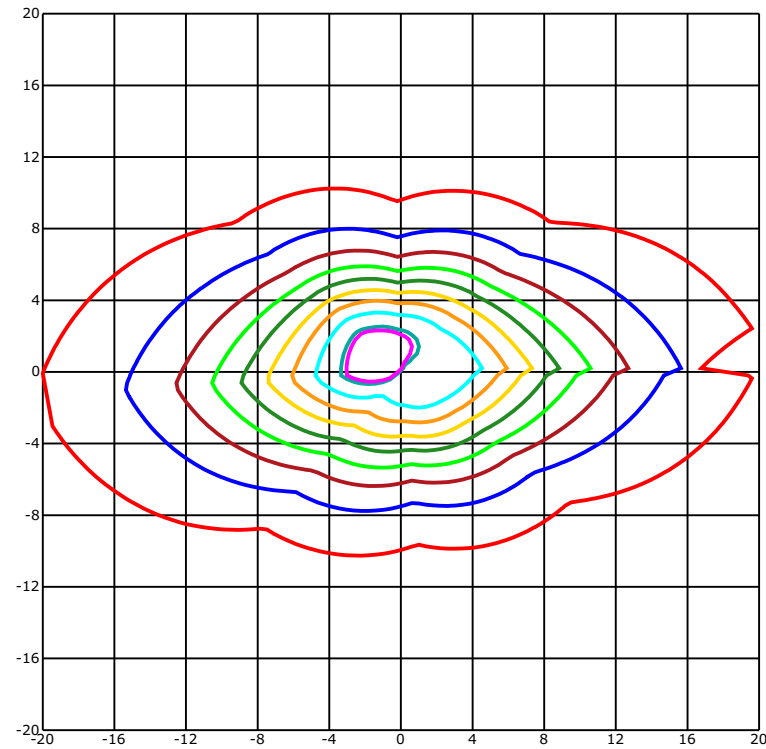
LIGHTING DATA



LX-DISTANCE DIAGRAM



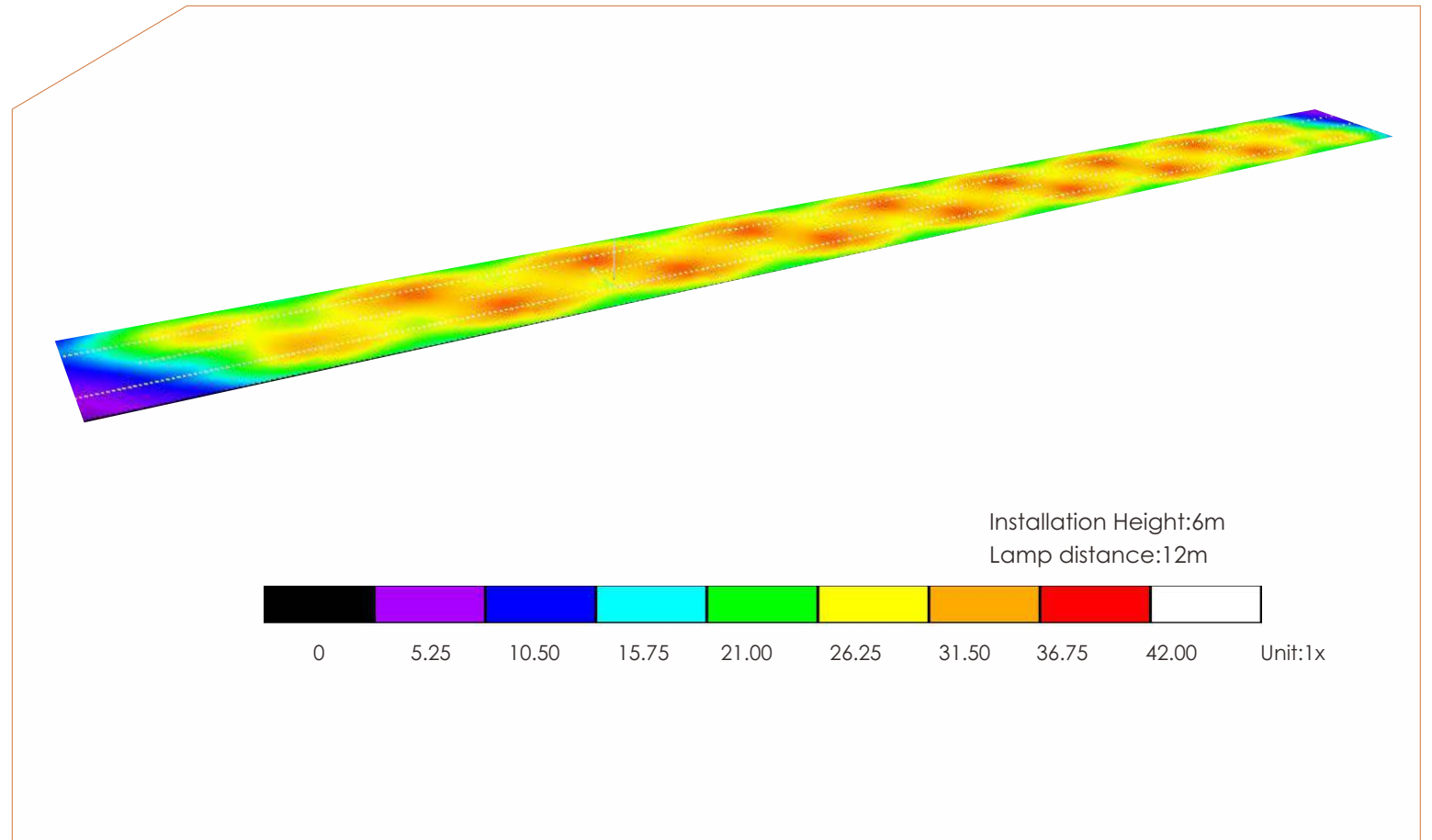
ISOLX DIAGRAM



Unit of illumination:lx Height of plane:10.0(m)/32.81(ft)

- | | |
|------------------|------------------|
| — 25.536(1%Emax) | — 13.878(0%Emax) |
| — 24.981(1%Emax) | — 11.103(0%Emax) |
| — 22.206(1%Emax) | — 8.327(0%Emax) |
| — 19.43(1%Emax) | — 5.551(0%Emax) |
| — 16.654(0%Emax) | — 2.776(0%Emax) |

0218F300-01 DIALUX SIMULATION EFFECT



BATTERY SPECIFICATION



DesignLife	6-8 years					
Nominal Voltage	3.2V					
Nominal Capacity	6AH	6AH	12AH	18AH	24AH	24AH
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)	1200A(5s)					
Short Circuit Current	3000A					

BATTERY GUARANTEE OF QUALITY

1

Battery Cells

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

2

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.

3

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.

4

Aging Test Machine

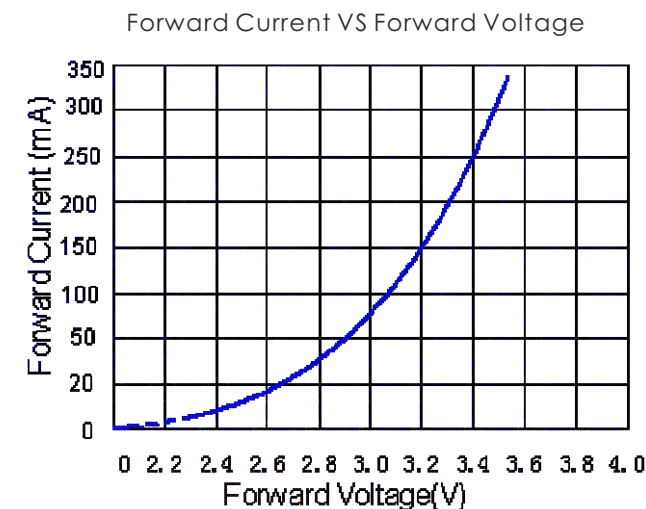
every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified.

SMD 5730 INTRODUCTION

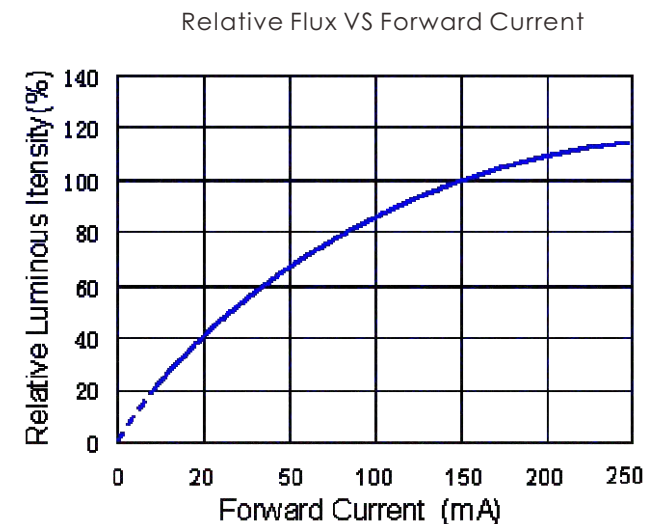
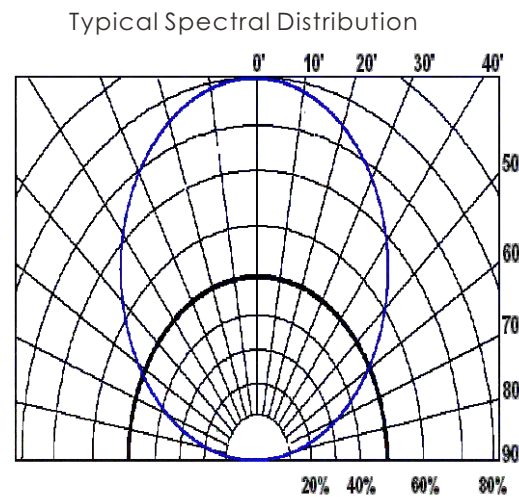
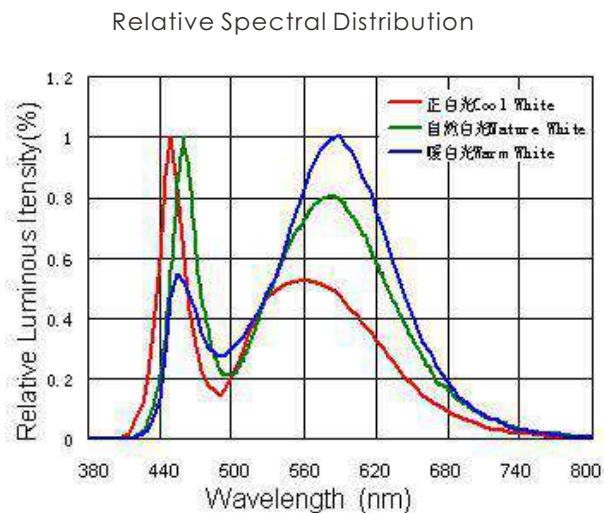


Features:

- Super high efficiency
- High reliability performance
- Viewing angle 120°
- Suitable for all SMT assembly and solder process
- Complied with RoHS directive



Typical Optical-Electrical Characteristics curves



SOLAR PANEL SPECIFICATION



Specifications

Peak Power(Pmax)	4.5/7/9/15/16/18
Maximum Power Voltage(Vmp)	4.5
Maximum Power Current(Imp)	1/1.56/2/3.33/3.56/4
Open Circuit Voltage(Voc)	8.6
Short Circuit Current(Isc)	1.02/1.58/2.02/3.35/3.58/4.02
Cells Efficiency(%)	18.09
Module Efficiency(%)	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

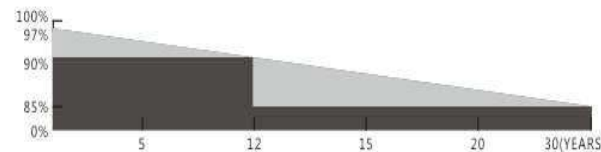
Mechanical characteristics

Dimensions	200*177*4mm 292*172*4.5mm 383*194*4.5mm 498*207*4.5mm 578*207*4.5mm 660*209*4.5mm
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



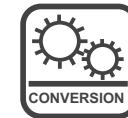
12 YEARS Guarantee on product material and workmanship

30 YEARS Linear Power output warranty

Key Features



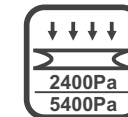
5 Busbar Cell:
5 Busbar Solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance making it perfect for rooftop installation and application



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)



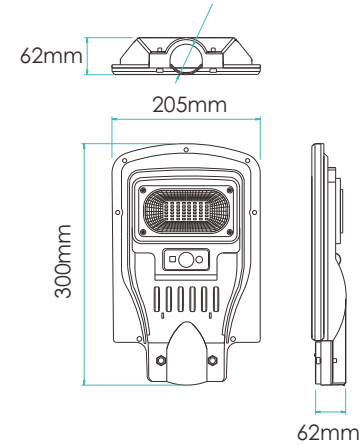
Durability against extreme environmental conditions
High salt mist and ammonia resistance certified by TUV



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

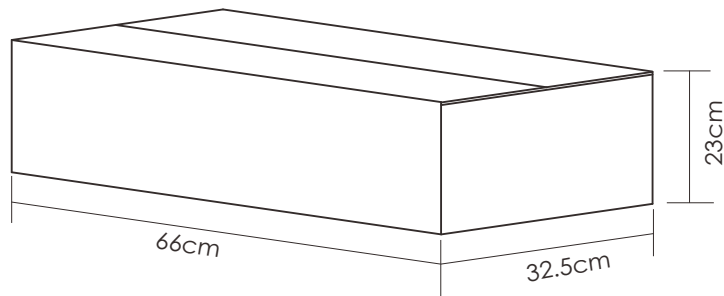
PRODUCT SPECIFICATION

Model	0218A50-01
LED Chip	5730LED 56PCS
Color Temperature	6000K
Solar Panel	4.5V 4.5W, Polycrystalline
Battery Type	LiFePO4 3.2V 6AH
Charging Time	6-8 hours
Discharging Time	8-12 hours
led	160 lm/w
Material	ABS
Product Size	300*205*62mm
Install Height	3-5m
Warranty	2 Years



0218A50-01 50W

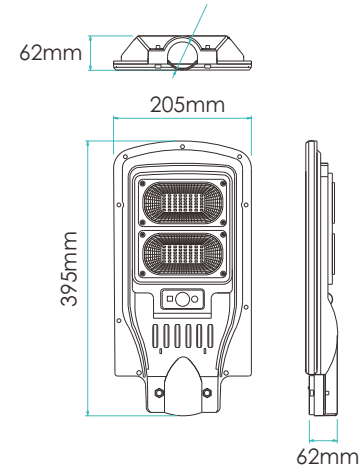
PACKAGING SPECIFICATION



P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0218A50-01	50W	66.00	32.50	23.00	10	0.0493	11.45

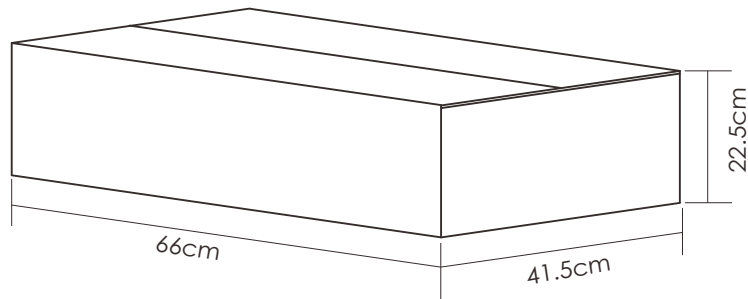
PRODUCT SPECIFICATION

Model	0218B100-01
LED Chip	5730LED 112PCS
Color Temperature	6000K
Solar Panel	4.5V 7W, Polycrystalline
Battery Type	LiFePO4 3.2V 6AH
Charging Time	6-8 hours
Discharging Time	8-12 hours
led	160 lm/w
Material	ABS
Product Size	395*205*62mm
Install Height	4-6m
Warranty	2 Years



0218B100-01 100W

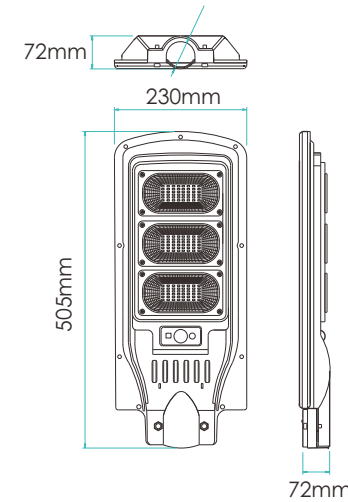
PACKAGING SPECIFICATION



P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0218B100-01	100W	66.00	41.50	22.50	10	0.0616	16

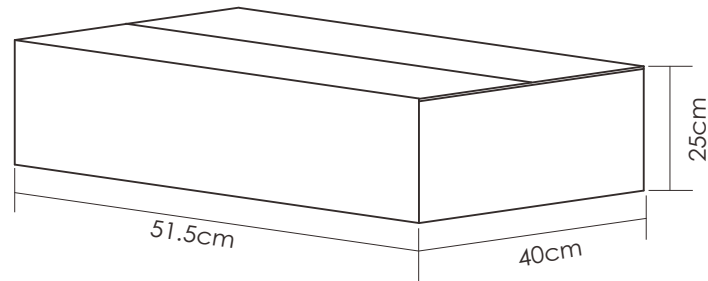
PRODUCT SPECIFICATION

Model	0218C150-01
LED Chip	5730LED 168PCS
Color Temperature	6000K
Solar Panel	4.5V 9W, Polycrystalline
Battery Type	LiFePO4 3.2V 12AH
Charging Time	6-8 hours
Discharging Time	8-12 hours
led	160 lm/w
Material	ABS
Product Size	505*230*72mm
Install Height	5-7m
Warranty	2 Years



0218C150-01 150W

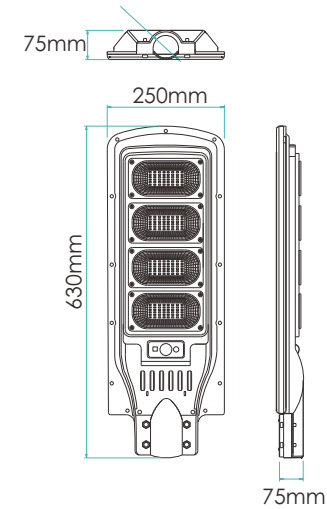
PACKAGING SPECIFICATION



P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0218C150-01	150W	51.50	40.00	25.00	5	0.0515	10.25

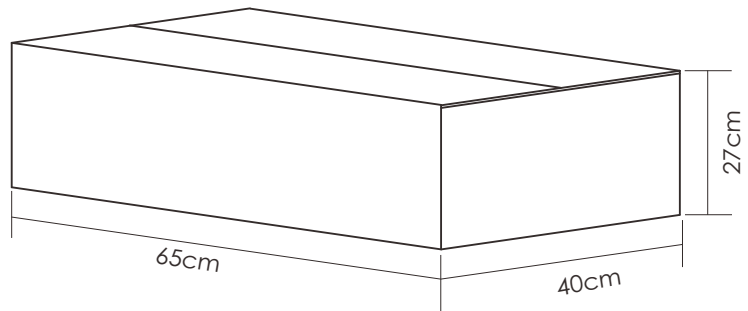
PRODUCT SPECIFICATION

Model	0218D200-01
LED Chip	5730LED 224PCS
Color Temperature	6000K
Solar Panel	4.5V 15W, Polycrystalline
Battery Type	LiFePO4 3.2V 18AH
Charging Time	6-8 hours
Discharging Time	8-12 hours
led	160 lm/w
Material	ABS
Product Size	630*250*75mm
Install Height	6-8m
Warranty	2 Years



0218D200-01 200W

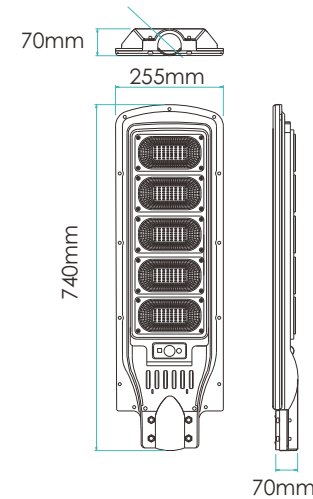
PACKAGING SPECIFICATION



P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0218D200-01	200W	65.00	40.00	27.00	5	0.0702	14.40

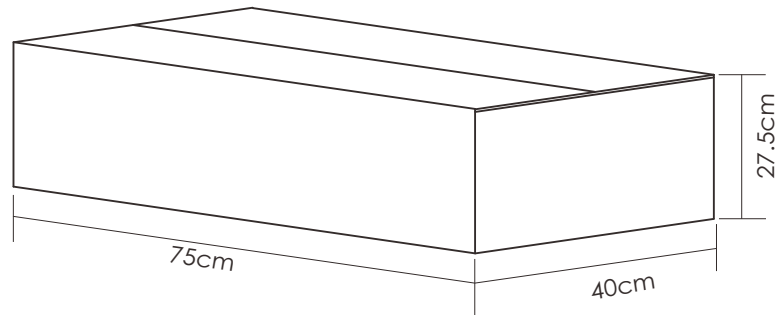
PRODUCT SPECIFICATION

Model	0218E250-01
LED Chip	5730LED 280PCS
Color Temperature	6000K
Solar Panel	4.5V 16W, Polycrystalline
Battery Type	LiFePO4 3.2V 24AH
Charging Time	6-8 hours
Discharging Time	8-12 hours
led	160 lm/w
Material	ABS
Product Size	740*255*70mm
Install Height	6-8m
Warranty	2 Years



0218E250-01 250W

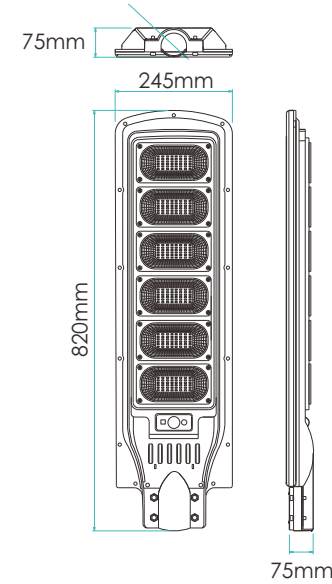
PACKAGING SPECIFICATION



P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0218E250-01	250W	75.00	40.00	27.50	5	0.0825	17.50

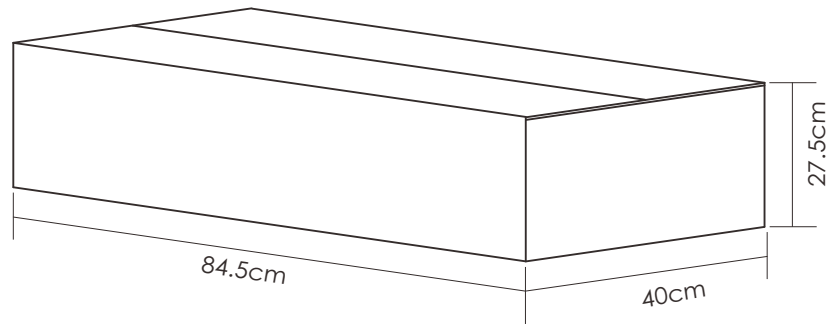
PRODUCT SPECIFICATION

Model	0218F300-01
LED Chip	5730LED 336PCS
Color Temperature	6000K
Solar Panel	4.5V 18W, Polycrystalline
Battery Type	LiFePO4 3.2V 24AH
Charging Time	6-8 hours
Discharging Time	8-12 hours
led	160 lm/w
Material	ABS
Product Size	820*245*75mm
Install Height	7-9m
Warranty	2 Years



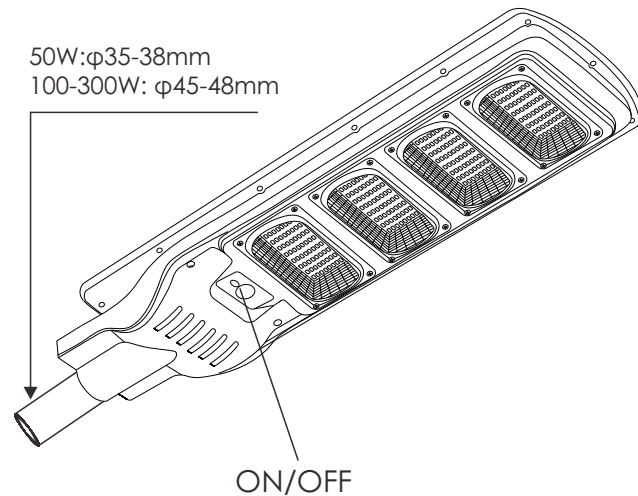
0218F300-01 300W

PACKAGING SPECIFICATION



P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0218F300-01	300W	84.50	40.00	27.50	5	0.0930	19.50

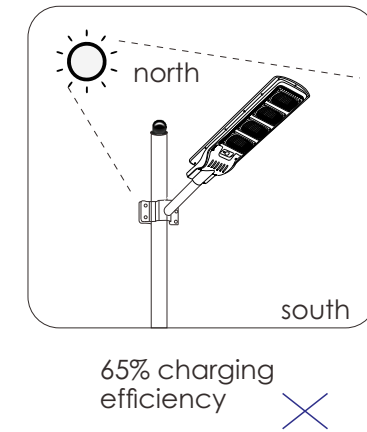
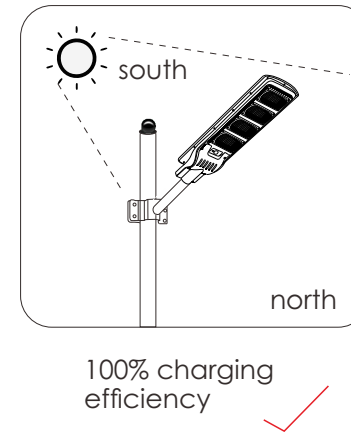
INSTALLATION GUIDE



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.

- 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.



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

Tips:

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