ALLTOP®
ELECTRONICS

OFF-GRID
SOLAR FLOOD LIGHT

40W/80W/160W/240W

● ALLTOP solar flood light is equipped with 2835 LED lamp beads, providing super bright lighting and high conversion rate solar panels, and the lamp body shell is made of die-cast aluminum. It comes with a light sensor, which automatically charges during the day in sunny days and automatically lights up at night, giving you a good experience; IP65 waterproof, very suitable for outdoor use.

PRODUCT DESCRIPTION

Intelligent Control

Built-in photoelectric sensor, Auto-on/Off. 6-8 hours get fully charged and 16-20 hours long lighting time, large capacity lithium battery, built-in intelligent control chip, automatically adjust the working power with battery capacity change, guarantee long lighting time.

Energy Save

No electricity cost, entirely solar powered and wireless installation, which can save your cost. Provide lighting and safety for your garden, garage, road and shack at any time, can be used as wall lights, street lights, garden lights, etc. 3 year warranty ensures this will quickly become your favorite no-risk purchase.

Durable & Long Service Time

This LED flood light fixture comes with an aluminum shell which features great thermal conductivity, it can improve high energy efficiency and keep the LED chip works in low temperature, and make the light durable for long working time.

PRODUCT DETAILS
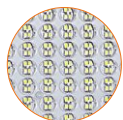
SMD2835 LED Chips

Moisture-proof and waterproof, high quality LED lamp bead has a wide lighting range.
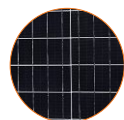
Adjustable Angle

180° can be adjusted at any angle for easier installation and is suitable for use in any location.

Battery

Long battery lifespan and more durable, even use in the -2℃~65℃ area

Die-casting Aluminum

Lamp Housing Stable and strong,waterproof and rustproof.

Solar Panel

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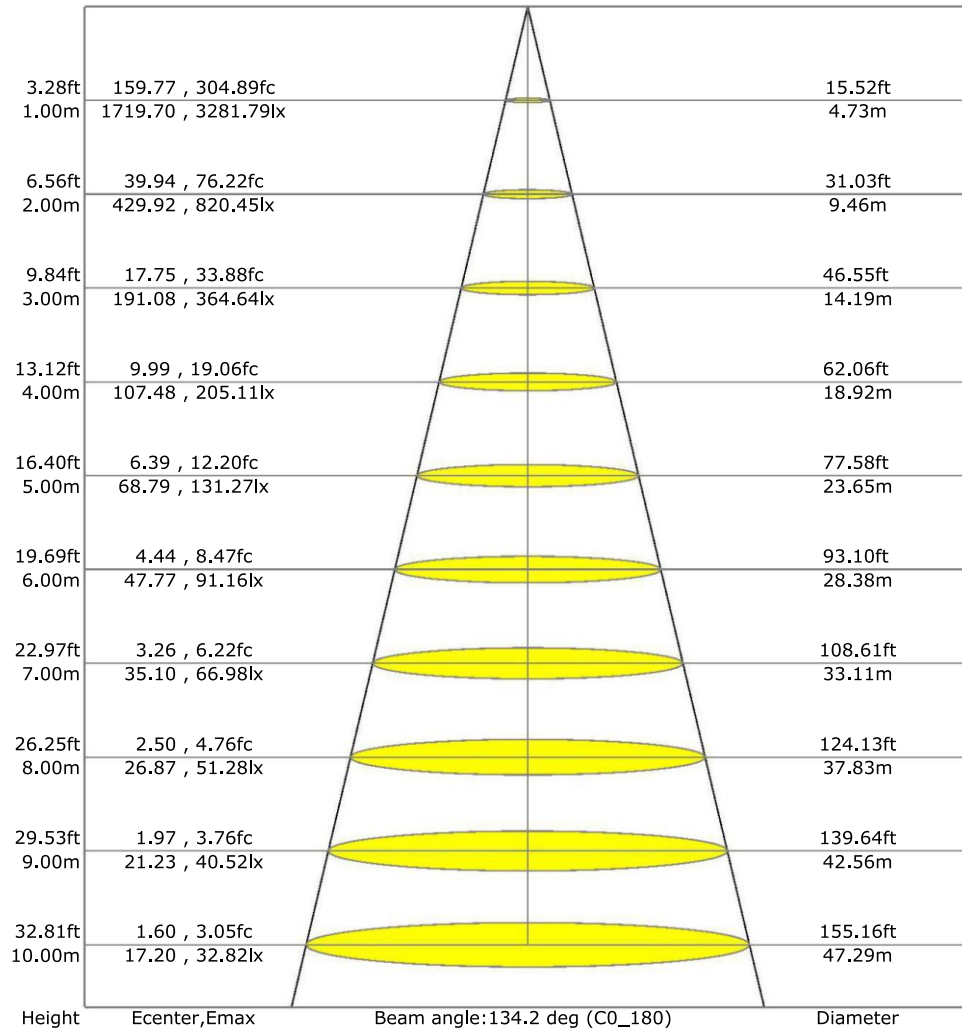
Optical Lens

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.
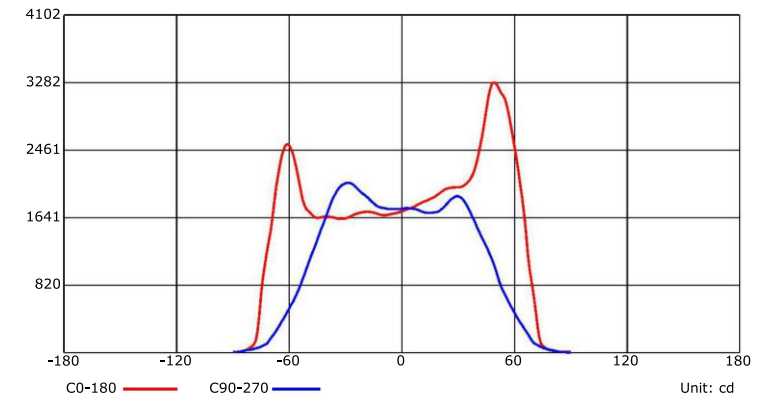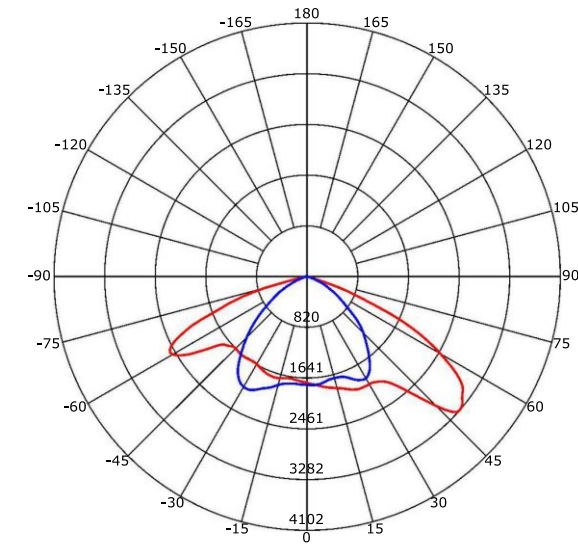
APPLICATION

LX-DISTANCE DIAGRAM

Height	Ecenter,Emax		Diameter
3.28ft	159.77 , 304.89fc		15.52ft
1.00m	1719.70 , 3281.79lx		4.73m
6.56ft	39.94 , 76.22fc		31.03ft
2.00m	429.92 , 820.45lx		9.46m
9.84ft	17.75 , 33.88fc		46.55ft
3.00m	191.08 , 364.64lx		14.19m
13.12ft	9.99 , 19.06fc		62.06ft
4.00m	107.48 , 205.11lx		18.92m
16.40ft	6.39 , 12.20fc		77.58ft
5.00m	68.79 , 131.27lx		23.65m
19.69ft	4.44 , 8.47fc		93.10ft
6.00m	47.77 , 91.16lx		28.38m
22.97ft	3.26 , 6.22fc		108.61ft
7.00m	35.10 , 66.98lx		33.11m
26.25ft	2.50 , 4.76fc		124.13ft
8.00m	26.87 , 51.28lx		37.83m
29.53ft	1.97 , 3.76fc		139.64ft
9.00m	21.23 , 40.52lx		42.56m
32.81ft	1.60 , 3.05fc		155.16ft
10.00m	17.20 , 32.82lx		47.29m

Beam angle:134.2 deg (C0_180)

Luminous Intensity Distribution Curve

820
1641
2461
3282
4102

C0-180   C90-270   Unit: cd

BATTERY SPECIFICATION

BATTERY GUARANTEE OF QUALITY

No.1 Battery Cells
High-end battery cells keep every cell's voltage, resistance, capacity, discharging always in sync

No.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

No.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

No.4 Aging Test Machine
every battery pack need to thorough charging and discharging test by the aging test machine to keep 100% qualified

DesignLife	6-8 years			
Nominal Voltage	3. 2V			
Nominal Capacity	6Ah	14Ah	15Ah	20Ah
Self-Discharge				
3% of capacity declined per month at 20℃(average)				
Operation Temperature Range				
Discharge	-20~60℃			
Charge	-10~60℃			
Storage	-20~60℃			
Max.Discharge Current 77ºF(25℃)	1200A(5s)			
Short Circuit Current	3000A			

SMD 2835 INTRODUCTION

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

• 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)

Benefits

• 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

Typical Color Spectrum
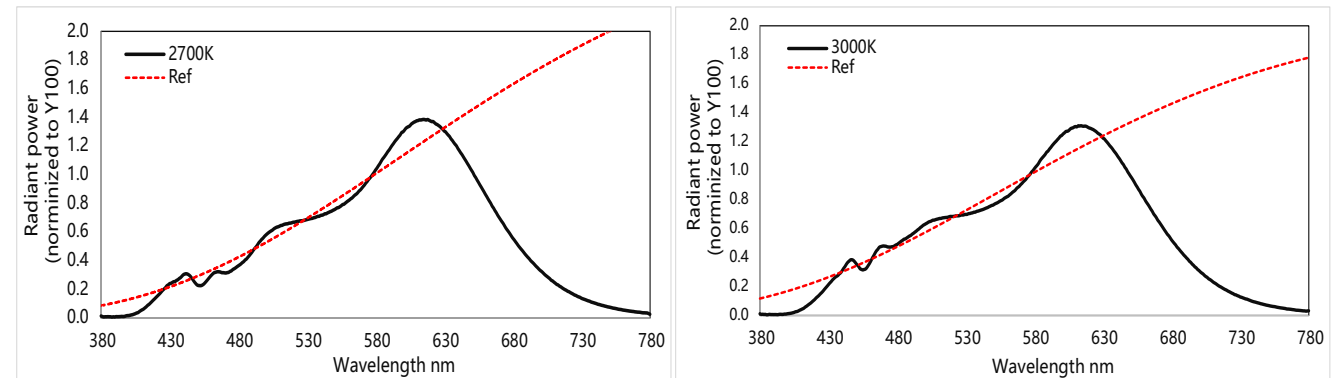
Note :
1. Color spectra measured at typical current for Tsp = 85°C
2. Spectra are provided as reference only and are not a guarantee of performance
3. Spectra under different current will be different from the Spectra under typical current.

PRODUCT SPECIFICATION

0350A40-01 40W

| Model	0350A40-01
LED Chip	2835 LED 168PCS 6000K
Solar Panel	6V 6W, Polycrystalline
Battery Type	LiFePO4 3.2V 6AH
Charging Time	6-8 hours
Discharging Time	20-24 hours
LED	160lm/w
Material	Die-Casting Aluminium
Product Size	170*140*55mm
Warranty	3 years

180mm 17mm

170mm

270mm

140mm

55mm

PACKAGING SPECIFICATION

23cm

57.5cm 57.5cm
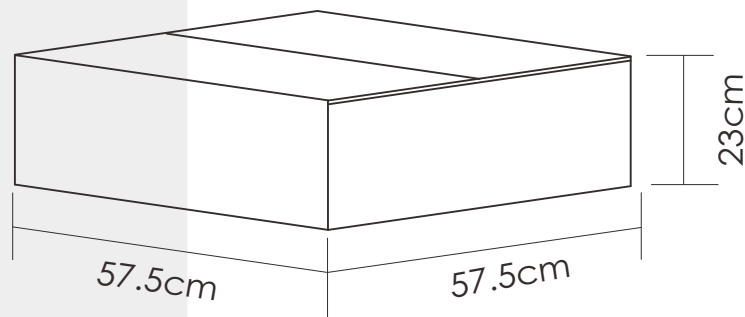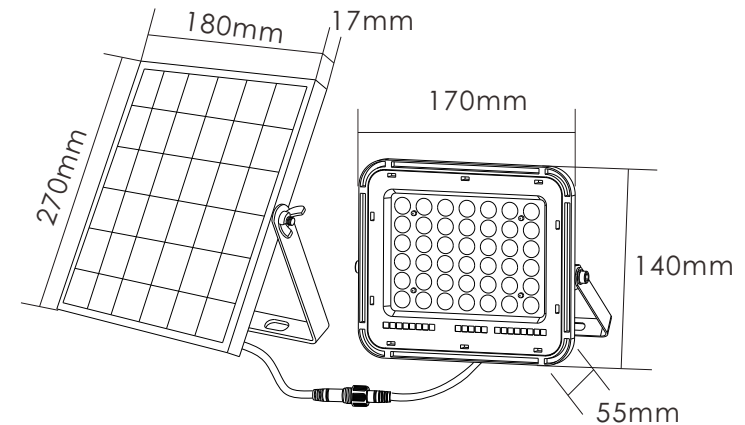
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0350A40-01	40W	57.50	57.50	23.00	10	0.0760	23

PRODUCT SPECIFICATION

| Model	0350B60-01
LED Chip	2835 LED 240PCS 6000K
Solar Panel	6V 18W, Polycrystalline
Battery Type	LiFePO4 3.2V 14AH
Charging Time	6-8 hours
Discharging Time	20-24 hours
LED	160lm/w
Material	Die-Casting Aluminium
Product Size	190*170*55mm
Warranty	3 years

350mm　17mm

190mm

400mm

170mm

55mm

PACKAGING SPECIFICATION

45cm

78.5cm　52.5cm
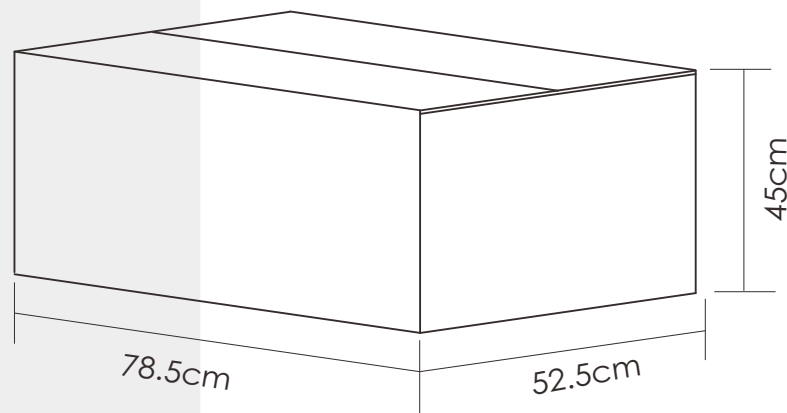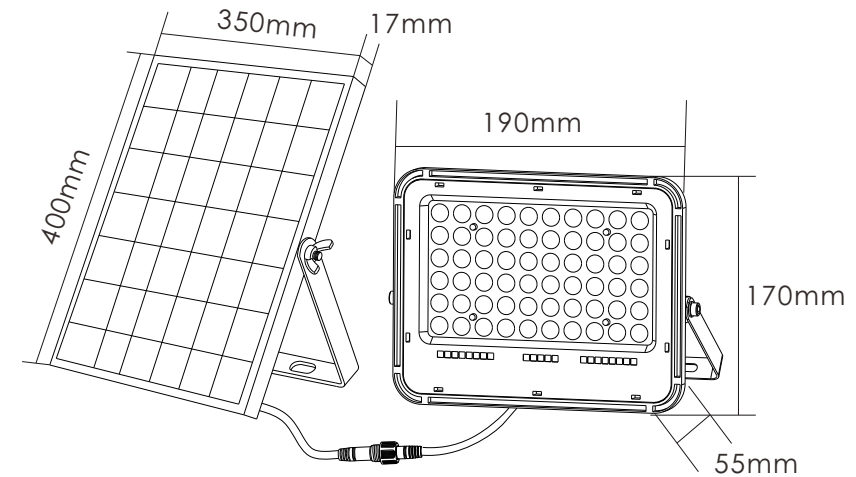
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0350B60-01	80W	78.50	52.50	45.00	8	0.1855	25

PRODUCT SPECIFICATION

0350C100-01 | 160W

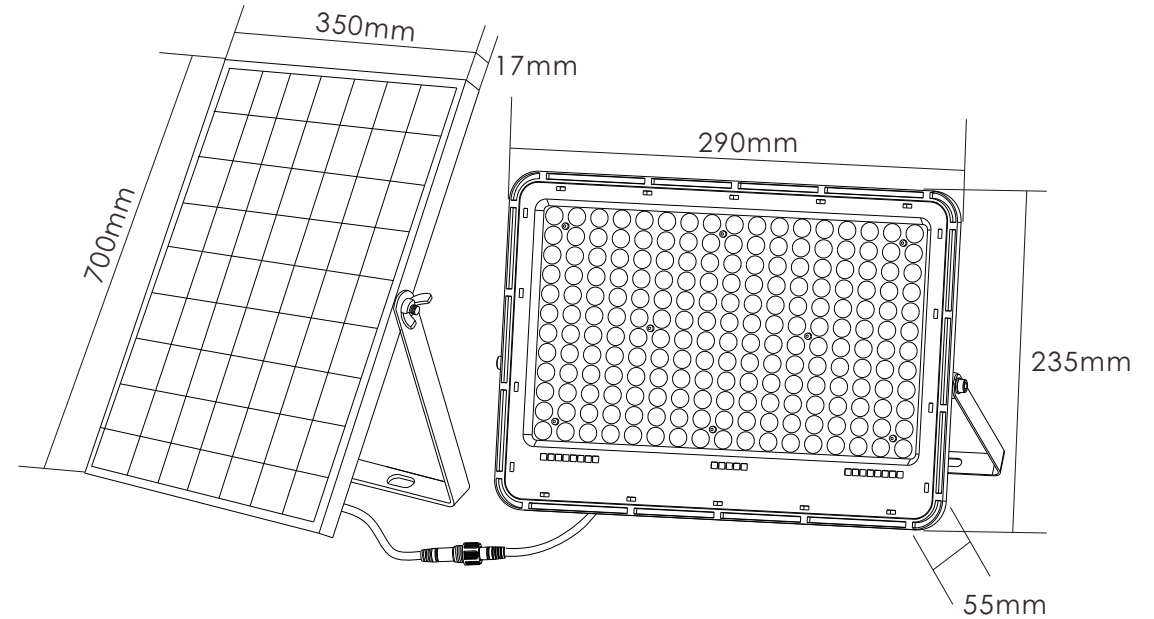| Model	0350C100-01
LED Chip	2835 LED 520PCS 6000K
Solar Panel	6V 24W, Polycrystalline
Battery Type	LiFePO4 3.2V 15AH
Charging Time	6-8 hours
Discharging Time	20-24 hours
LED	160lm/w
Material	Die-Casting Aluminium
Product Size	235*180*55mm
Warranty	3 years

350mm   17mm

235mm

530mm

180mm

55mm

PACKAGING SPECIFICATION

40.5cm

65cm   58cm
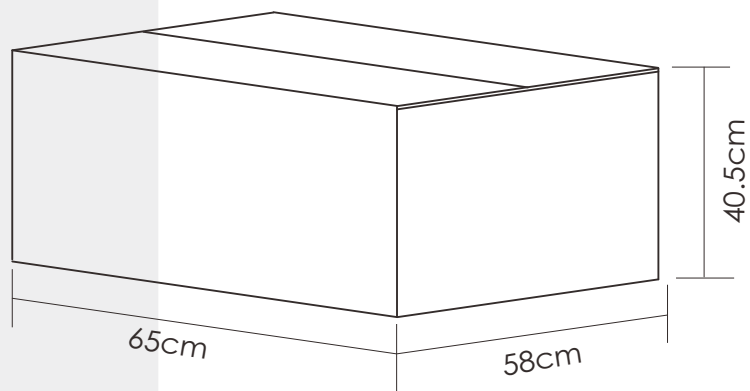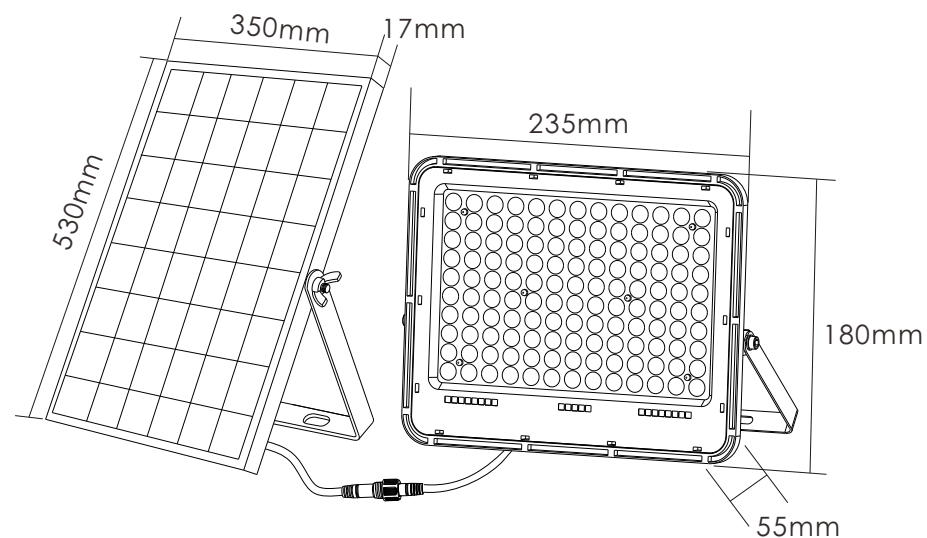
P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
		L	W	H			
0350C100-01	160W	65.00	58.00	40.50	5	0.1527	25.5

PRODUCT SPECIFICATION

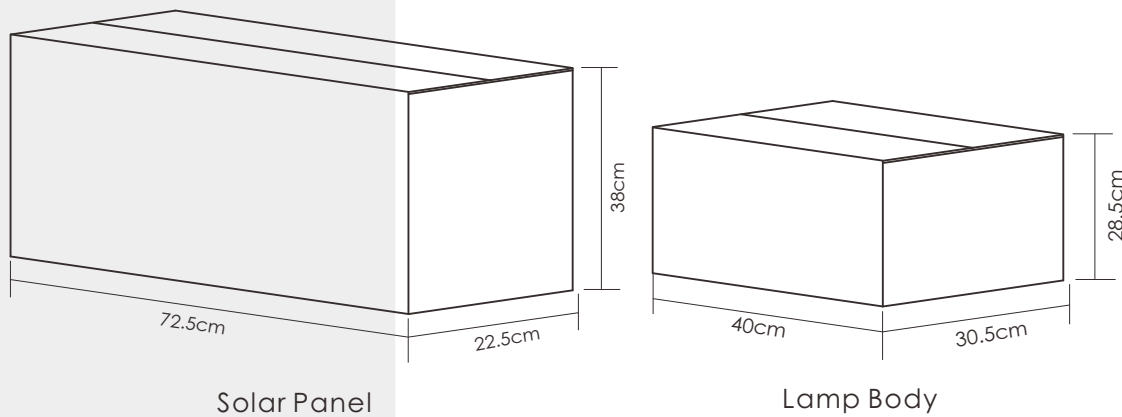0350D150-01 | 240W

Model	0350D150-01
LED Chip	2835 LED 816PCS 6000K
Solar Panel	6V 35W, Polycrystalline
Battery Type	LiFePO4 3.2V 20AH
Charging Time	6-8 hours
Discharging Time	20-24 hours
LED	160lm/w
Material	Die-Casting Aluminium
Product Size	290*235*55mm
Warranty	3 years

350mm
17mm
700mm
290mm
235mm
55mm

PACKAGING SPECIFICATION

38cm
72.5cm
22.5cm

Solar Panel

28.5cm
40cm
30.5cm

Lamp Body

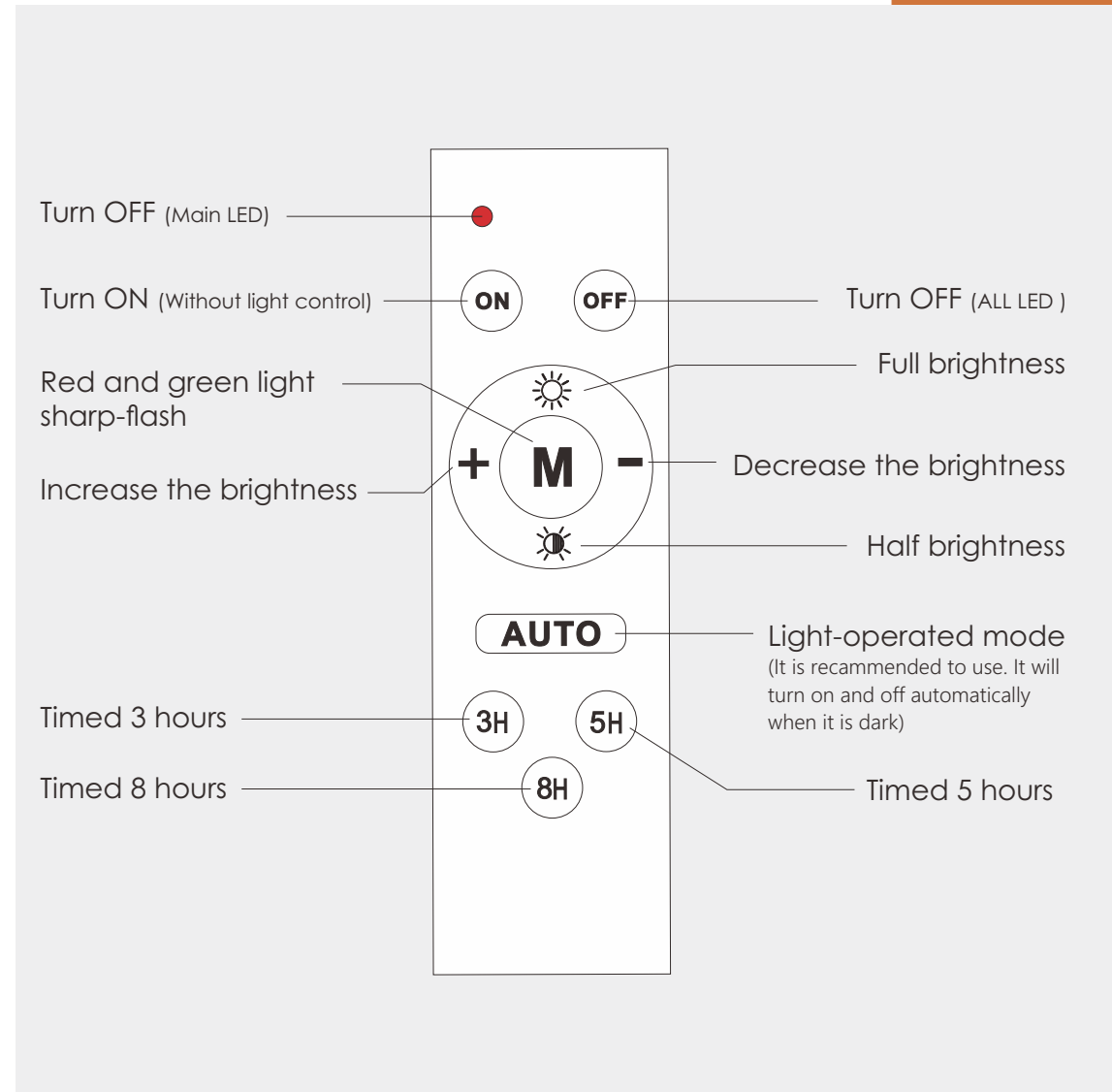| P/N	Power	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)	
		L	W	H				
0350D150-01	240W	40.00	30.50	28.50	5	0.0348	15.5	Lamp Body
		72.50	22.50	38	5	0.0620	19	Solar Panel

KEY INSTRUCTIONS OF REMOTE CONTROL

Light-operated mode.

Tightening the waterproof wire and pressing the key "AUTO", the light will automatically turn on in the dark and turn off to charge in the day.
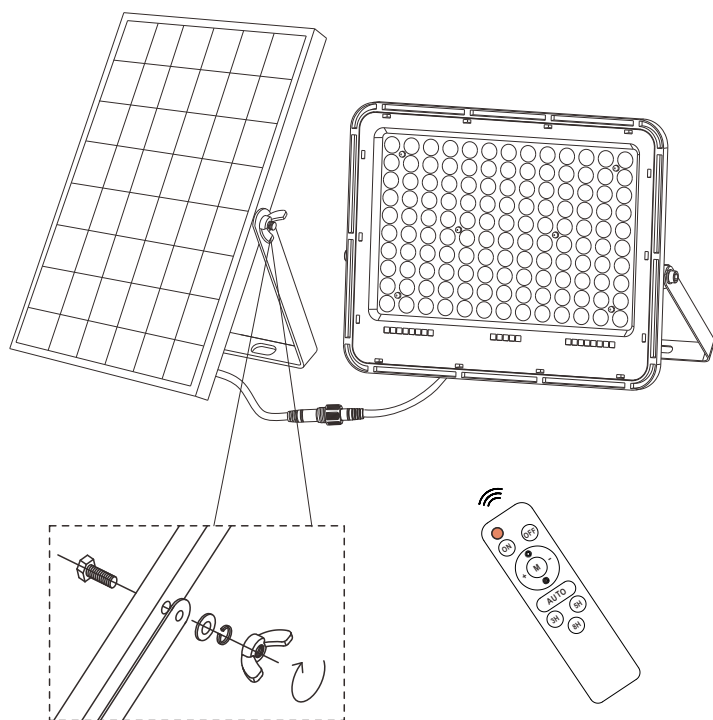
(The remote control has memory function, you can set only once)

Important Notification

1.Please do not accept 220V ac to avoid damaging the solar lamp.

2.Please ensure the installation is stable to avoid hurting others.

3.Please do not disassemble the lamp to avoid affecting the warranty

4.Please clean the dust on the solar panel surface every 3 months to avoid affecting the power generation efficiency.

Turn OFF (Main LED)

Turn ON (Without light control)

Red and green light sharp-flash

Increase the brightness

ON   OFF

☀
+ M −
☀

AUTO

Timed 3 hours   3H   5H

Timed 8 hours   8H

Turn OFF (ALL LED)

Full brightness

Decrease the brightness

Half brightness

Light-operated mode
(It is recammended to use. It will turn on and off automatically when it is dark)

Timed 5 hours

INSTALLATION GUIDE


1.Press the MODE key once, and the LED light will flash and switch to non-light control function;
2.Press MODE again. The LED light blinks slowly for two times and then turns off. Then the LED light control function is switched on;
Note: The first turn on defaults to light sensitive mode.

north   north   north

35°   10°   60°

south   south   south
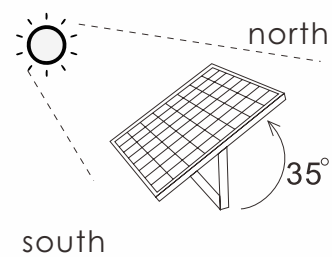
100% charging efficiency
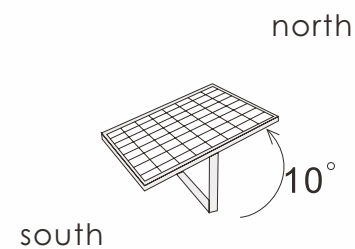
75% charging efficiency
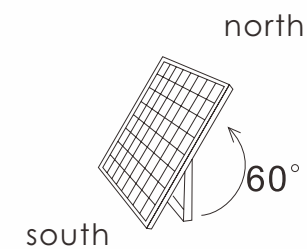
50% charging efficiency

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.