

HLSC03 Solar Canopy Specification



Product Name	Solar LED Flood Light
Specification	LD-SFL-30WPlus-Cube
Date	2024-11-11
Version	REV 2.0

CE RoHS

Superior Features & Advantages

- Modern new simple design with patent protection.
- Super bright 160lm/w, professional lighting distribution of 120°*60° beam angle, achieve much bigger lighting area.
- Powerful, equivalent to 250W, long lifespan more than 10 years.
- Scientific optical lens make output lighting uniform and comfortable.
- Solar panel is 270° adjustable for maximum solar charging flexibility.
- Lamp bracket is 360° adjustable to easily set desired lighting direction & lighting area.
- Optional work modes by remote control, DIY lighting time & brightness for diverse use.
- Grade-A mono solar panel with laminated glass, big size, 21%+ highly conversion for faster charging, 20years+ lifespan.
- Brand new top quality LiFePO4 battery with big capacity, 2000 cycles, with over-charge & over-discharge protection, safe and durable.
- LG brand material ABS+PC housing, anti-UV, fireproof, safety guaranteed.
- 5Mtrs long connecting cable with IP67 waterproof connector, solid and durable.
- IP65 waterproof.

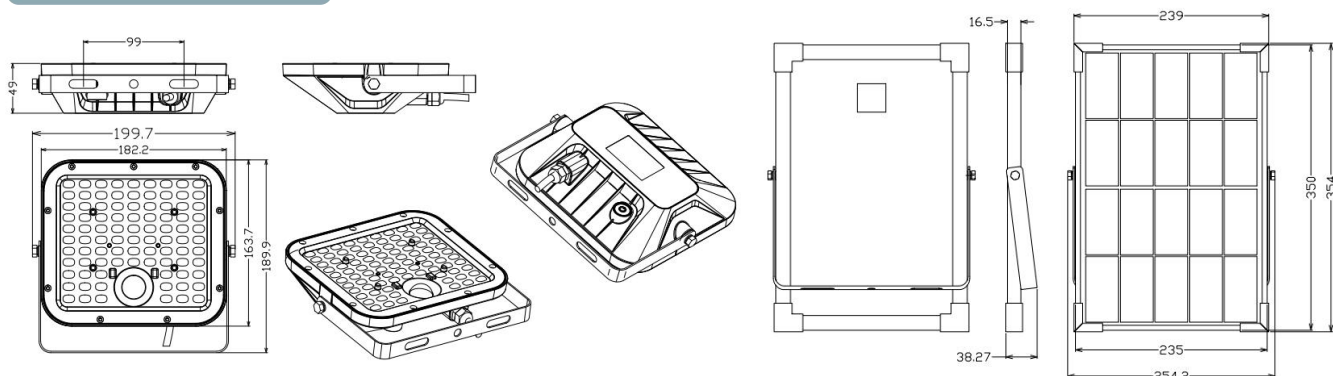
Product Image



Specification

Item No.	LD-SFL-30WPlus-Cube	LEDs	SMD2835*90PCS
Power	30W	Brightness (Lumen)	4800LM
Solar Panel	Mono-crystalline silicone 12.5W/10V	Battery Pack	LiFePO4 battery, 32700, 6.4V, 6000mAh, 38.4Wh, replaceable
Beam Angle	120°*60°	Lamp Size Solar Panel Size	199.7*190.9*49mm 374.3*255.2*21.5mm
Charging Time	4-6hrs strong sunshine to fully charge	Lighting Time	Up to 60 hours
PIR Sensor	120°/8Mtrs	Effective Projection Surface	100~150 m²
CCT	3000K/4000K/6000K customized before delivery	IP Class	IP65
Lamp Fixture Color	Black	Solar Panel Cable	5mtrs long
Installation Distance	10~14mtrs	Installation Height	2-5Mtrs
Solar Panel Angel Adjustable	270°	Lamp Angel Adjustable	360°
Working Temp.	-20°C - 60°C	Storage Temp.	0°C - 45°C
Housing Material	ABS+PC+metal, Anti-UV & fireproof	Weight	1.84kg
Packing	Solar Lamp*1PC Solar Panel*1PC Remote Control*1PC User Manual*1PC Screws*1Bag	Warranty	3 years

Dimension(mm)



Optional Working Mode



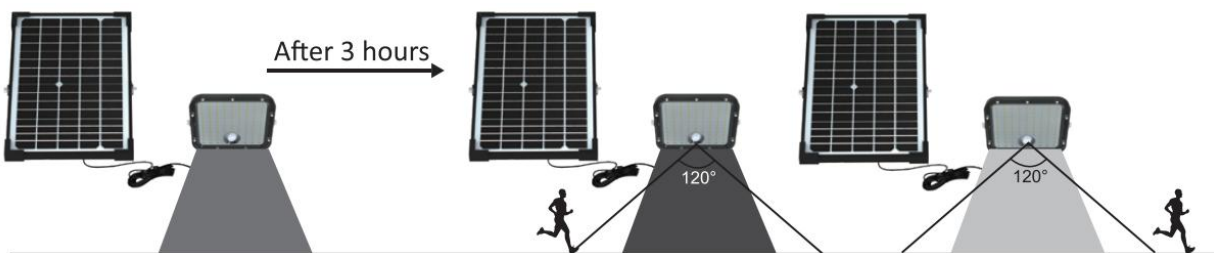
**Lamp Button
On/Off**

Firstly, please press the button on the lamp, lamp turns on and automatically enter Keep Lighting Mode (Default Mode). Press the button again, lamp turns off.

When the lamp is turned off by pressing the button on lamp, the lamp has no memory. At the same time, the remote control does not work.

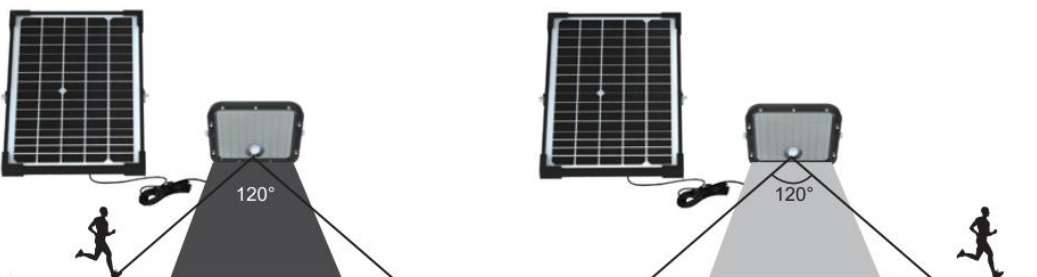
Keep Lighting Mode (Default Mode)

Lamp automatically lights up at night and keeps 60% brightness for 3 hours, after which lamp turns to Sensor Mode.

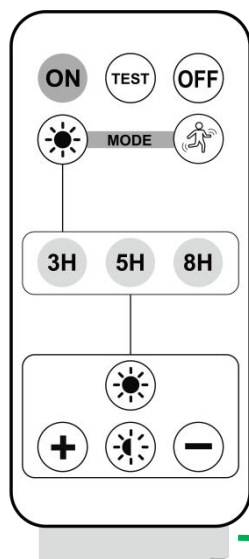


Sensor Mode

Lamp automatically lights up at night and turns to full brightness when motion is detected in the range, then turns to 5% brightness in 60 seconds of no motion.



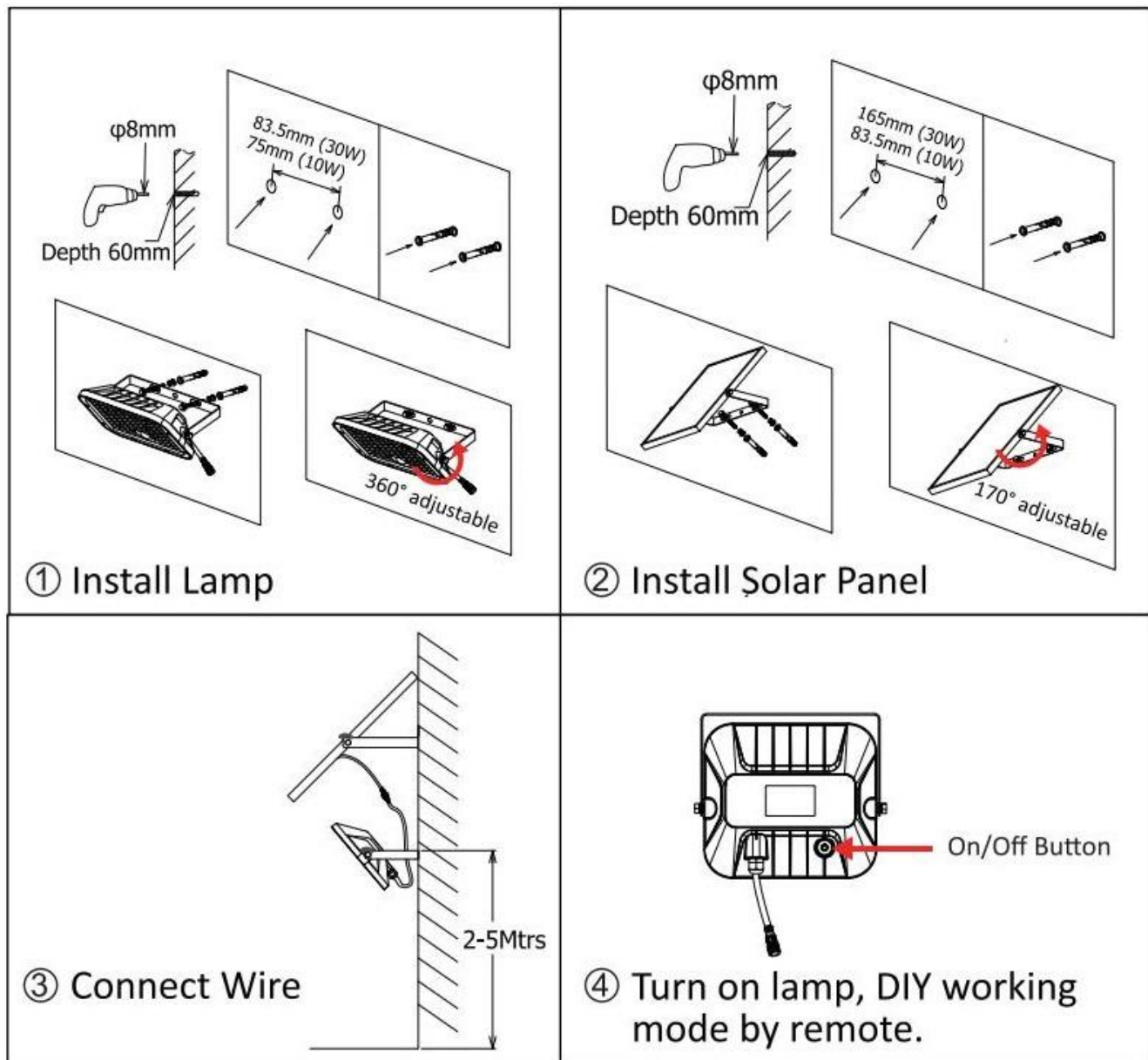
Operations of DIY Work Mode by Remote Control



- *Please remove the insulating film of the remote control before use.
- *The remote control can be only workable after the lamp is turned on by pressing the button on the lamp.
- * Remote control distance: 6 meters.
- * Each time you press a button on the remote, the lamp flashes once. When the brightness is adjusted to maximum or minimum, the lamp will no longer flash.
- * ON/OFF switch on the remote control has memory function.

	Press , lamp turns on.	
	Press , lamp turns off.	
	Press and hold for 5 seconds to enter the Test Mode, lamp keeps lighting on with 100% brightness of current power state for 10 minutes, then automatically switch to the latest operation set before.	
	Press , lamp enters Sensor Mode as above. * Neither lighting time nor brightness can be adjusted under Sensor Mode. * If press lighting time keys under Sensor Mode, lamp will switch to Keeping Lighting Mode.	
	Press , lamp enters default Keep Lighting Mode as above.	
	Lighting Time	These 7 keys(in gray background) are only used to adjust lighting time and brightness under Keep Lighting Mode. You can press the time and brightness keys in no order. For example: Press + + , lamp works as below: Lamp lights up at night and keep <u>45%</u> brightness for <u>5Hrs</u> , after which lamp turns to Sensor Mode.
	60% brightness	
	30% brightness	
	+15% brightness by each press (Max 60% brightness)	
	-15% brightness by each press (Min 15% brightness)	

Easy Installation:



Prepare the lamp, accessories and tools well, confirm the installation location and wire length.

- ① Drill 2 holes of $\Phi 8\text{mm}$ with a depth of 60mm on the wall, fix the lamp on the wall with expansion plugs and screws.
- ② Drill 2 holes of $\Phi 8\text{mm}$ with a depth of 60mm on the wall, fix the solar panel on the wall with expansion plugs and screws.
- ③ Connect the wire of the solar panel to the lamp and screw it tightly.
- ④ Press the button on the lamp to activate the remote control, then use remote control to set desired working mode.

Operation of Indicator Light

This lamp has a RGB indicator light, which shows the charging state of the lamp.

Indicator Light Status During the Day	Working Status of Solar Lamp
Green light is always on.	Lamp is fully charged.
Blue light is flashing.	Solar panel is charging normally.
Indicator light is off.	The current ambient sunlight is too weak to charge the lamp.

Indicator Light Status at Night	Working Status of Solar Lamp
Indicator light is off.	Lamp discharges and lighting on.
Red light is flashing.	Lamp discharges and lighting on, battery power is low.

Wide Applications

Widely used for walls, garden, square, farm, motor homes, courtyard, parking lot, balcony, villa, zoo, boat, pavilion, alley, warehouse, bus station, holiday resort etc.



Cautions

1. This is a solar powered lamp, please install the solar panel in a location where can get enough sunlight.
2. Please note the lighting time depends on sunshine duration & working mode.
3. The On/Off button on the lamp is power-off switch, helpful to save power consumption.
Also the lamp can still get solar charge at day time when the lamp is turned off.
4. Built-in intelligent IC is with over-charge and over-discharge protection, safe & durable.
5. The lamp is equipped with an internal battery pack, which is replaceable.
If any need, please contact seller for correct new battery pack.
6. Non-professionals please do not disassemble the lamp.
7. Please do not dispose the battery with household garbage to avoid explosion.