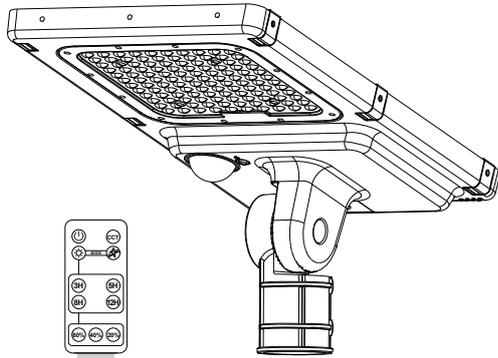


OPTONICA

Hybrid Solar LED Street Light User Manual



SKU: 9281

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40W 6600LM 60W 9600LM

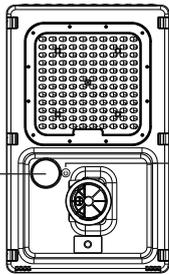


Please follow all instructions to operate.
Save this manual for future reference.

Specification

Brightness	6600LM	9600LM
Output Power	40W	60W
Input Voltage	100-277V	100-277V
Mono Solar Panel	23W 18V	33W 19.5V
LiFePO4 Battery Pack	32700 12000mAh 9.6V 115.2Wh	32700 12000mAh 12.8V 153.6Wh
LEDs	SMD2835*240pcs	SMD2835*360pcs
Dimension	506.5*305.5*251mm	648.5*305.5*251mm
Installation Height	4~6 Meters	4~6 Meters
Installation Spacing	10~15 Meters	15~25 Meters
Lighting Area	250m ²	460m ²
2 CCT	2 lighting colors are optional by remote	
Beam Angle	140°*70°	
Digital PIR Sensor	180° / 8 Meters	
Work Modes	Keep Lighting Mode Sensor Mode	
Charging Time	7~9 hours strong sunshine to fully charge	
Lighting Time	60Hrs Max	
IP Rating	IP65 dustproof and waterproof	
Housing Material	ABS+PC, nylon fiber / aluminum bracket, anti-UV	
Adjustable Angle	180° adjustable	

2 Optional Work Modes and 2 CCT



- * PIR Sensor
- * Indicator Light
- * Remote Signal Receiver

Button Control
(On/Off/Switch Work Mode)

Select Work Mode by Button Control on the Lamp

Press the button 1st time, lamp enters Keeping Lighting Mode.
Press the button 2nd time, lamp enters Sensor Mode.
Press the button 3rd time, lamp turns off.

Keep Lighting Mode

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



In this mode, you can select the desired lighting time and brightness by the remote. Lamp remains on at the selected brightness for the selected time, after which it turns to Sensor Mode.

For example:

Press + **5H** + **40%**, the lamp will work as below:

Lamp automatically lights up at night and keeps 40% brightness for 5 hours, after which lamp turns to Sensor Mode.

When set to 12H, the lamp maintains the selected brightness all night long (actual time may vary) and does not switch to Sensor Mode — it remains lighting on as long as it's dark.

Sensor Mode

Lamp automatically lights up at night and turns to full brightness when motion is detected in the range, then turns to 3% brightness after 20 seconds of no motion.



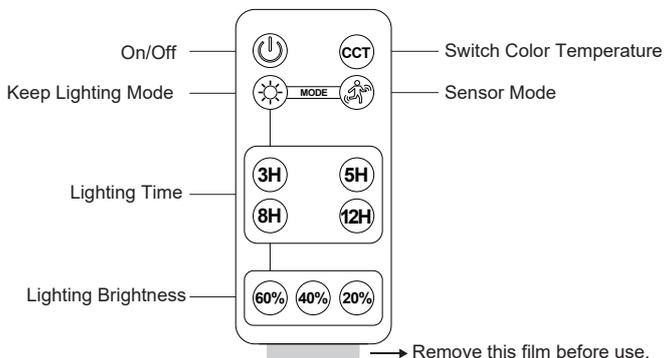
Select Work Mode & CCT by Remote

* The remote control can only be used after the lamp is activated by pressing the on/off button on the lamp.

* Lighting brightness and time can only be adjusted in Keep Lighting Mode.

* Remote control distance: 6 meters.

* Remote control has memory function.

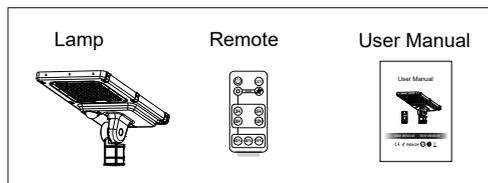


→ Remove this film before use.

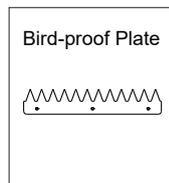
Easy Installation

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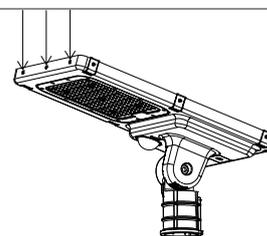
Standard Package Content



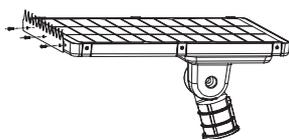
Optional



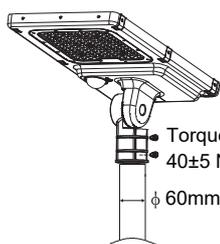
It is recommended to install the lamp at an upward angle. In this case, please ensure that the top three rubber plugs or the bird-proof plate are properly installed on the lamp, make sure the 3 screw holes are sealed.



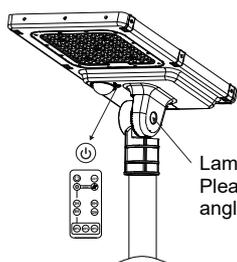
1. Install the bird-proof plate and fix it with M4 screws on the lamp (skip this step if there is no bird-proof plate).



2. Place the lamp on a $\phi 60\text{mm}$ lamp pole and fix it with M8*25 screws. The nylon fiber bracket is fixed with 2 screws. The aluminum bracket is fixed with 4 screws.

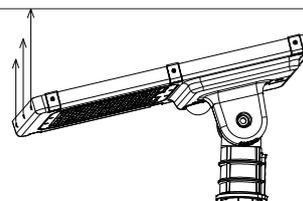


3. Press the button on the lamp to turn it on, then use remote to select desired work mode and CCT.



Lamp is 180° adjustable. Please adjust the lamp angle with this screw.

If the lamp is installed at a downward angle, please remove the top three rubber plugs and the bird-proof plate, make sure the 3 screw holes are empty for better drainage.



Indicator Light

* This lamp has a RGB indicator light, which shows the charging status of the lamp and the battery capacity.

Battery Capacity	Day Time (Battery Charging)	Night Time (Battery Discharging)
0-30%	Red light flashes every 3 seconds.	Red light flashes every second.
30%-60%	Blue light flashes every 3 seconds.	Blue light stays on.
60%-90%	Green light flashes every 3 seconds.	Green light stays on.
90%-100%	Green light stays on.	Green light stays on.

Cautions

1. This is a solar light, please install the light where it can absorb enough sunlight.
2. The lamp gets solar charged at day time, and lights up automatically at dusk.
3. Please note the lighting time depends on the sunshine duration & work mode.
4. The Sensor Mode is with AIM system, more intelligent and user-friendly.
5. 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.
6. Built-in intelligent IC is with over-charge and over-discharge protection, safe & durable.
7. The lamp is equipped with an internal battery pack, which is replaceable. If any need, please contact seller for new battery pack.
8. Non-professionals please do not disassemble the lamp.
9. Please do not dispose the battery with household garbage to avoid explosion.

Wide Applications

Widely used for street, parking lot, garden, square, gate, warehouse, farm, industrial area, park, village, garage, driveway, countryside, etc.