

Solar street light

EXC-CR-Z05 series

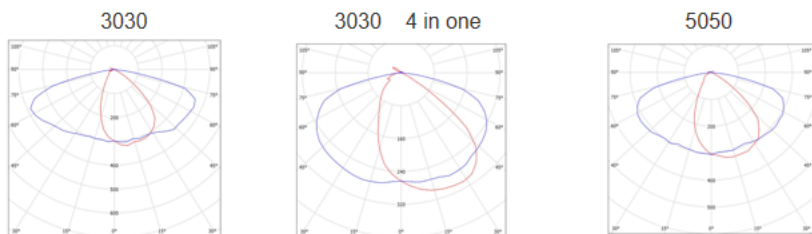


Introduction

- The integrated design of the exterior adopts professional road grade T3M optical design, and the light source module can adjust the angle separately to expand the lighting range;
- ADC12 die-casting waterproof independent battery box, using a brand new lithium iron phosphate battery, safe and durable, with a cycle life of >2000 times;
- Using high lumen Leds 5050 with >220lm/W and the whole lamp is >185lm/W;
- The entire lamp adopts a modular and independent IP65 waterproof design, with an aluminum alloy shell that is corrosion-resistant and suitable for various harsh environments;
- Adopting MPPT controller and environmental adaptive high-efficiency charging technology, the high-precision constant current output light efficiency is more stable, and can last for 3-7 rainy days to light up normally;
- Microwave radar induction technology, intelligent induction time, induction power can be set to enable microwave induction mode at a specific time;
- The solar panel uses high-efficiency monocrystalline silicon wafers, with a maximum efficiency of 23.1%.
- The working mode can be customized, and it can be equipped with remote control on/off light function. The product can be upgraded to a smart IoT system for remote control.

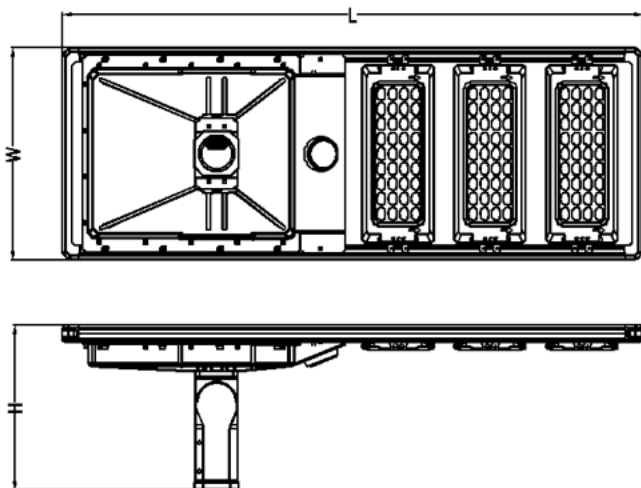


Lighting curve



Size

Model No.	EXC-CR-Z05-030	EXC-CR-Z05-040	EXC-CR-Z05-050	EXC-CR-Z05-065	EXC-CR-Z05-080
L(mm)	917	1027	1337	1497	1787
W(mm)	368	368	368	368	368
H(mm)	272	272	272	272	272



Performance

Model No.	EXC-CR-Z05-030	EXC-CR-Z05-040	EXC-CR-Z05-050	EXC-CR-Z05-065	EXC-CR-Z05-080
Power	30W	40W	50W	65W	80W
Lumen	6000lm	8000lm	10000lm	12000lm	15000lm
Solar Panel	18V/55W	18V/65W	18V/85W	18V/95W	18V/110W
Lithium Battery	LiFePO412.8V/18Ah	LiFePO412.8V/24Ah	LiFePO412.8V/36Ah	LiFePO412.8V/48Ah	LiFePO412.8V/54Ah
LEDs	3030/5050				
LEDs Quantities (3030)	3030/72PCS3030/288 PCS (4 in 1)	3030/108PCS3030/432 PCS (4 in 1)	3030/144PCS3030/576 PCS (4 in 1)	3030/180PCS3030/720 PCS (4 in 1)	3030/216PCS3030/864 PCS (4 in 1)
LEDs Quantities (5050)	5050/72PCS	5050/108PCS	5050/144PCS	5050/180PCS	5050/216PCS
CCT	3000K-6500K				
Beam Angle	80°145				
Working Mode	0.5H 100%, 2.5H 80% with person / 60% without person, 9H 50%with person/20% without person				
Rainy days	3~7days				
Full power time	7H	7H	9H	9H	8H
Charge time	6~9H				
Material	-10°C ~ +60°C				
Working Temperature	AL6063+ADC12				
IP Grade	IP65				
Mounting Method	Lamp Pole				
Pole Diameter	60MM			76MM	
Mounting Height	3~4M	4~6M	6~8M	8~10M	8~10M
Product Size	917*368*272mm	1027*368*272mm	1337*368*272mm	1497*368*272mm	1787*368*272mm
Packing Size	1095*435*150mm	1200*435*150mm	1510*435*150mm	1670*435*150mm	1960*435*150mm
Packing Carton	1 PCS / Carton				

Installation

Lighting test:

Open the packaging box, cover the solar panel, use a small remote control to light up the lighting fixtures; Turn the solar panel facing towards the illuminated area, and the lamp will automatically turn off.

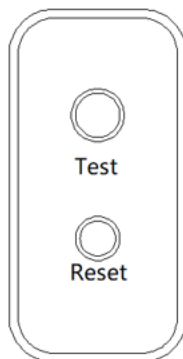
Key function description: Press the remote control switch once to turn on the light source of the lamp, press the setting button once to turn off the light source of the lamp.

Remote Control Description:

1. Open the packaging box, cover the solar panel, use the small remote control, and press the test button to light up the lamp; Turn the solar panel facing towards the illuminated area, and the lamp will automatically turn off.

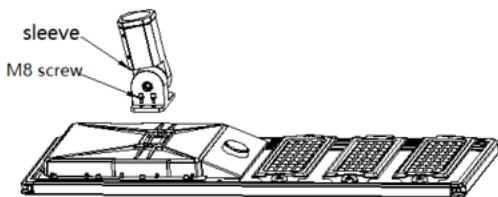
2. Key function description:

Press the remote control test button once to turn on the light source of the lamp, press the reset button once to turn off the light source of the lamp.

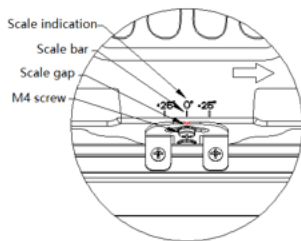


Installation Step:

1. Take out the lamp sleeve, adjust the angle of the sleeve, align it with the installation hole on the lamp, and use a 6 hex wrench to tighten the M8 screw.



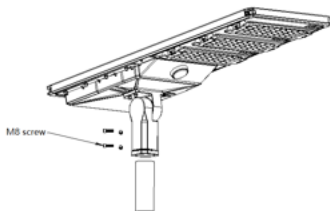
2. Adjust the lens angle, there are three scales on the lens, which are $+25^\circ$, 0° , and -25° . Loosen the M4 screws on both sides of the lens, adjust the lens to the desired angle, align the scale bars on the scale with the notches on the bracket, and then tighten the screws. Note: The factory default angle is 0° .



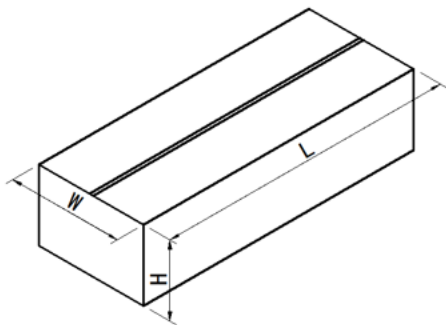
3. Use a No. 6 hex wrench to loosen the M8 screw on the socket, then insert the lamp into the lamp post, adjust the installation direction, and tighten the screw. Attention: Ensure that each screw is tightened. Finally, press the switch to turn on the light fixture.

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Attention: When there is light shining on the solar panel, press the switch and the lamp will light up for about 60 seconds, then automatically turning off. When there is no light shining on the solar panel, press the switch and the lamp will continue to light up and then enter the working state.



Packaging



Model no.	EXC-CR-Z05-030	EXC-CR-Z05-040	EXC-CR-Z05-050	EXC-CR-Z05-065	EXC-CR-Z05-080
L(mm)	1095	1200	1510	1670	1960
W(mm)	435	435	435	435	435
H(mm)	150	150	150	150	150
N.W(kg)	12	13.6	17	19.5	21.5
G.W(kg)	14	15.7	19.5	22.2	24.5

Instructions for use:

1. The lamp should be installed away from fire and should not be obstructed by buildings, trees, or other objects, which may affect charging.
2. Non-professionals shouldn't disassemble or maintain the lamp, which may result in damage.
3. The product will not function properly if there is no sunlight for a long time.
4. The orientation and angle of the solar panel should be adjusted according to the local latitude.
5. When the battery is not used, it should be charged at least once every three months.

Attentions:

1. Any form of installation/uninstallation or maintenance and electrical work must only be performed by a qualified electrician.
2. All wiring should be done after cutting off the power.
3. The street light must be grounded.
4. Always keep the lens/diffuser of the product cleaned to maintain good light transmission.
5. Always keep the shell of light cleaned to maintain good heat dissipation.
6. Cleaning must only be done with dry or wet cloth and the high bay should not be exposed to corrosive substance.
7. High voltage inside the fixture, please do not disassemble it, serious electric shock may occur otherwise.



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