

Installation Instructions

WARNING

1. Solar panels are fragile, so please do not scratch or bump when installed. Scratches, dirt and shelter on the surface will affect the power generation efficiency of solar panels.
2. Solar lamp installation, such as in the northern hemisphere solar panel should face in the northern hemisphere, such as the southern hemisphere should face south.
3. The product must be charged every 3 months when idle; If it needs to be transported or stored for a long time, it is necessary to timely check, charge and record; otherwise, the battery will be damaged. Charging method: In sunny conditions, open the lamp switch, the solar panel is placed facing the sun, continuous charging for 1-2 days. Note: Use the remote control to read the status, display charging or charging, the battery voltage is more than 13V; or use a multimeter to test the voltage at both ends of the battery is more than 13V.
4. Installation location shall be away from WIFI, omnidirectional antennas for mobile communications, small base stations for telecommunications, TV antennas, etc. Signal source too close may disable, the dimming functions.
5. The luminaire should not be installed on vibrating surfaces, otherwise the sensor is easy to be triggered by mistake.
6. The luminaire shaking may cause the sensor to be triggered by mistake.
7. The dimming function of luminaire might be effected by the objects with vibration in its sensing area. The lamp should not be installed on the surface of vibration, and the lamp should not be covered (e.g. trees or leaves), otherwise the sensor may be triggered or not triggered by mistake.



Installation Instructions

WARNING

8. The product has good penetration effect on plastic and wood. Avoid metal shielding around the antenna, which will reflect and block microwave and affect the actual induction effect.

9. Walls, glass, and ceramics will bring reflection and penetration attenuation of electromagnetic waves, and reduce the sensing distance of the sensor. The thicker the material is, the more serious the attenuation is.

10. The movement of animals and objects within the sensing range may cause the light to turn on, which is a normal phenomenon.

11. The electromagnetic wave emitted by microwave sensor in the practical application environment, the different reflectivity of obstacles will lead to different induction range, which is normal phenomenon.

12. Please turn on the power switch of the fixture before use, and test whether it is functional before installation;

13. Ensure that the power switch is on when working normally. Please test whether the lamps are charged and discharged normally before installation (the solar panel is charged by sunlight and the lamp is off; Solar panels block sunlight, do not charge, light)

14. View the entire installation guide. Do not disassemble by non-professional technicians or under the guidance of professional technicians.

15. Do not place the product in water or fire, as there may be explosion risk.

16. Please pay attention to the secondary transport protection, do not damage the lamp

Installation Instructions

WARNING

17. Disposal at end of life: Battery to be removed by professional

18. The product contains lithium batteries, please follow the air transport regulations when shipping, should be regarded as flammable and explosive goods, storage should be separated from other items to avoid damage.

19. Charging and discharging requirements: Charging temperature is 0-45°C, discharging temperature is -10-60°C; Storage temperature: -10~60°C.

20. The installation distance, both transverse and longitudinal, should be greater than 1.5m. If the installation distance is too close, individual lamps may be misfit.

21. The final product interpretation authority of our company.

Note: These instructions do not claim to cover all details or variations in the equipment, procedure, or process described, nor to provide directions for meeting every possible contingency during installation, operation or maintenance. When additional information is desired to satisfy a problem not covered sufficiently for user's purpose, please contact your nearest representative.

Note: Specifications and dimensions subject to change without notice.

DISCLAIMER OF LIABILITY: Cooper Lighting Solutions assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

NOTICE: Green ground screw provided in proper location. Do not relocate.

ATTENTION Receiving Department: Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packing must be retained.

Safety: This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to insure personal safety. Carefully observe grounding procedure under installation section.

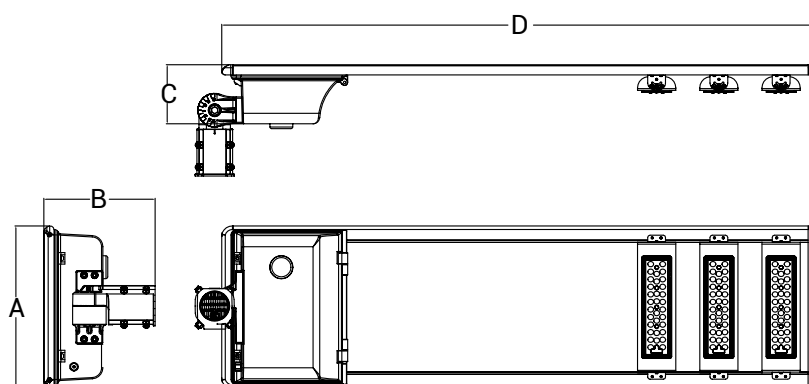
IB514104EN

REVOLVE

Installation Instructions

Type Number	Power	LEDs	Voltage	Battery parameter	PV power	Solar board voltage	CCT	KG
REVOLVE120 AIO 50S/757 SOLAR	27W	32	12VDC	12Ah/12.8V	25	18V	5700K	10.5
REVOLVE120 AIO 70S/757 SOLAR	40W	32		18Ah/12.8V	40	18V	5700K	11.9
REVOLVE120 AIO 90S/757 SOLAR	50W	44		24Ah/12.8V	50	18V	5700K	13.9
REVOLVE120 AIO 120S/757 SOLAR	67W	60		30Ah/12.8V	60	18V	5700K	15.6
REVOLVE120 AIO 180S/757 SOLAR	95W	96	24VDC	24Ah/25.6V	80	36V	5700K	20
REVOLVE120 AIO 50S/757 SOLAR PRO	27W	32	12VDC	30Ah/12.8V	50	18V	5700K	14.1
REVOLVE120 AIO 70S/757 SOLAR PRO	40W	32		42Ah/12.8V	80	18V	5700K	18.1
REVOLVE120 AIO 90S/757 SOLAR PRO	50W	44		48Ah/12.8V	90	18V	5700K	20.7
REVOLVE120 AIO 120S/757 SOLAR PRO	67W	60		66Ah/12.8V	100	18V	5700K	27.7
REVOLVE120 AIO 180S/757 SOLAR PRO	95W	96	24VDC	48Ah/25.6V	160	36V	5700K	40.3

Dimensions



	A	B	C	D
REVOLVE120 AIO 50S/757 SOLAR	366mm	250mm	133mm	560mm
REVOLVE120 AIO 70S/757 SOLAR	366mm	250mm	133mm	750mm
REVOLVE120 AIO 90S/757 SOLAR	366mm	250mm	133mm	910mm
REVOLVE120 AIO 120S/757 SOLAR	366mm	250mm	133mm	1080mm
REVOLVE120 AIO 180S/757 SOLAR	366mm	250mm	133mm	1345mm

	A	B	C	D
REVOLVE120 AIO 50S/757 SOLAR PRO	366mm	250mm	133mm	910mm
REVOLVE120 AIO 70S/757 SOLAR PRO	366mm	250mm	133mm	1345mm
REVOLVE120 AIO 90S/757 SOLAR PRO	366mm	250mm	133mm	1535mm
REVOLVE120 AIO 120S/757 SOLAR PRO	366mm	250mm	133mm	1670mm
REVOLVE120 AIO 180S/757 SOLAR PRO	366mm	250mm	133mm	1812mm

IB514104EN

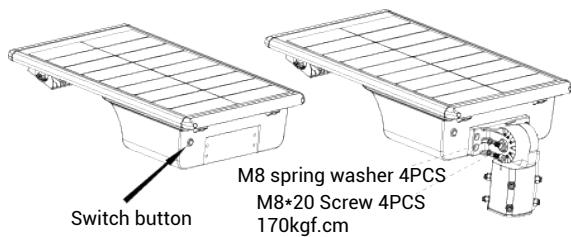
REVOLVE

Installation Instructions

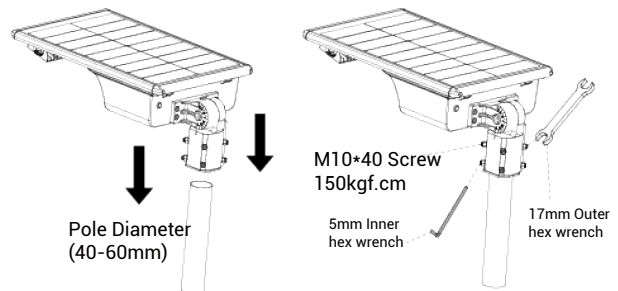
Type-A Univeral Bracket	REVOLVE120 AIO 50S/757 SOLAR	Type-B Post Top Bracket	REVOLVE120 AIO 180S/757 SOLAR PRO
	REVOLVE120 AIO 70S/757 SOLAR		
	REVOLVE120 AIO 90S/757 SOLAR		
	REVOLVE120 AIO 120S/757 SOLAR		
	REVOLVE120 AIO 180S/757 SOLAR		
	REVOLVE120 AIO 50S/757 SOLAR PRO		
	REVOLVE120 AIO 70S/757 SOLAR PRO		
	REVOLVE120 AIO 90S/757 SOLAR PRO		
	REVOLVE120 AIO 120S/757 SOLAR PRO		

Installation Procedure TYEP-A Universal bracket

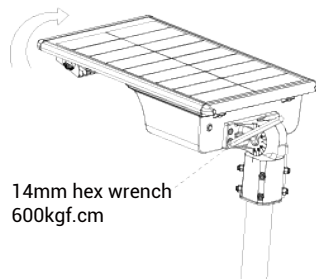
Step1: A: Open the package to check whether the appearance of the lamp is intact. Click the switch button to test whether the lamp is normal. B: Mount the bracket to the lamp and tighten the screws with a torque of 170kGF. cm (Prepare accessories and tools :6MM hex wrench,M8*20 screws 4PCS, M8 spring washer 4PCS)



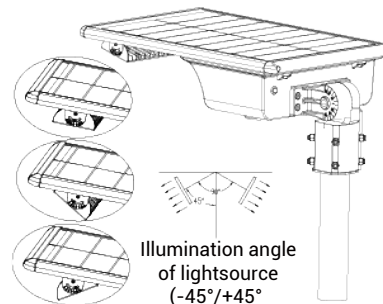
Step 2: A: Put the lamp into the pole, tighten the M10 screw with a torque of 250kGF. cm. B: tighten the M10 nut with a torque of 150kGF. cm (preparation tools :5MM inner hexagon wrench,17mm outer hexagon wrench)



Step 3: Loosen the screws on the universal support and adjust the irradiation Angle of the solar panel. Tighten the screws with a torque of 600kGF. cm and adjust the Angle of -90*+90. It is recommended that the installation Angle be 15 degrees (preparation tool :14MM hex wrench).



Step 4: Adjust the irradiation Angle of the light source with a screwdriver or a Phillips screwdriver. Tighten the screw with a torque of 8 kgF. cm, and then open the switch button

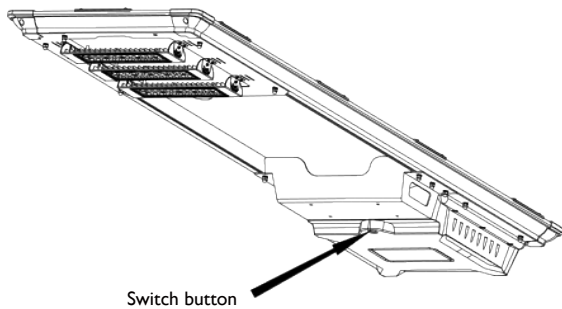


IB514104EN

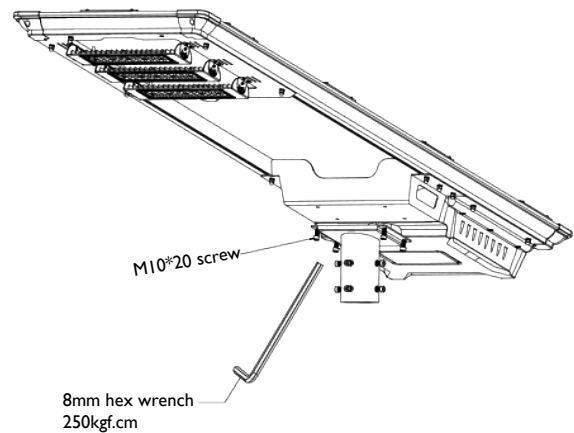
REVOLVE

Installation Procedure TYEP-B Universal bracket

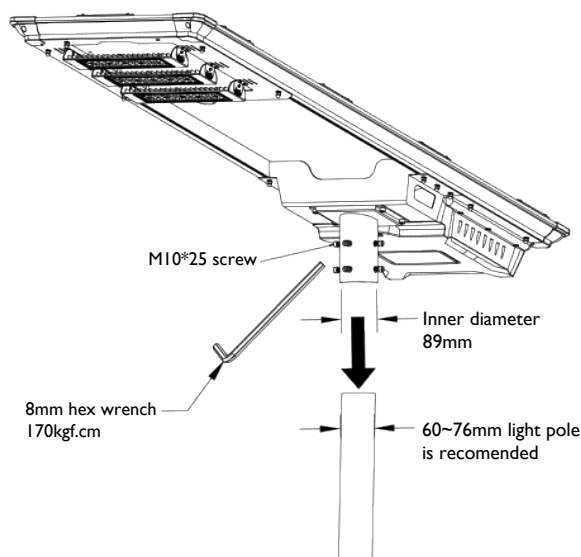
1. Open the package and check whether the appearance of lamp is in good condition. Click the switch button to test whether the lamp is working.



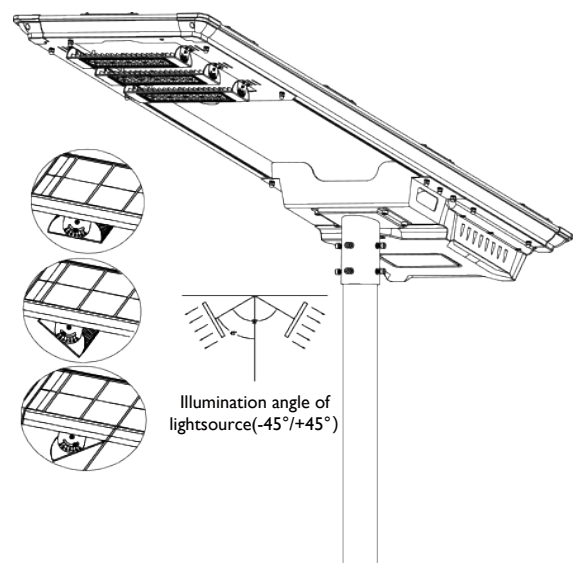
2. Preparation tools: screwdriver or 8mm Allen wrench, socket support, M10*20 screw 4pcs, socket support, assembly as shown in the following schematic diagram. Pay attention to the vertical installation of lamps with a torque of 250kgf Cm tighten the screws



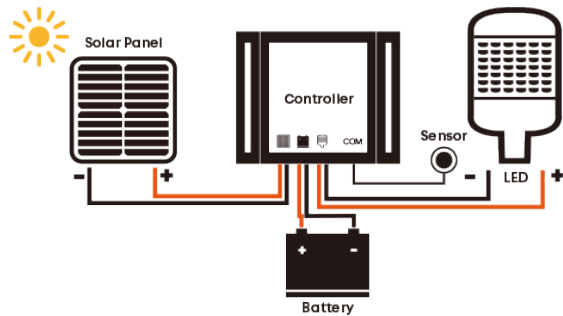
3. Insert the lamp into the lamp pole with a torque of 170kgf Cm tighten screws (prepare M10*25 screws, 6pcs, screwdriver and 6# Allen wrench).



4. Torque 8kgf . Cm locking screw, screwdriver or cross screwdriver to adjust the appropriate irradiation angle of the light source, Rear open switch button.

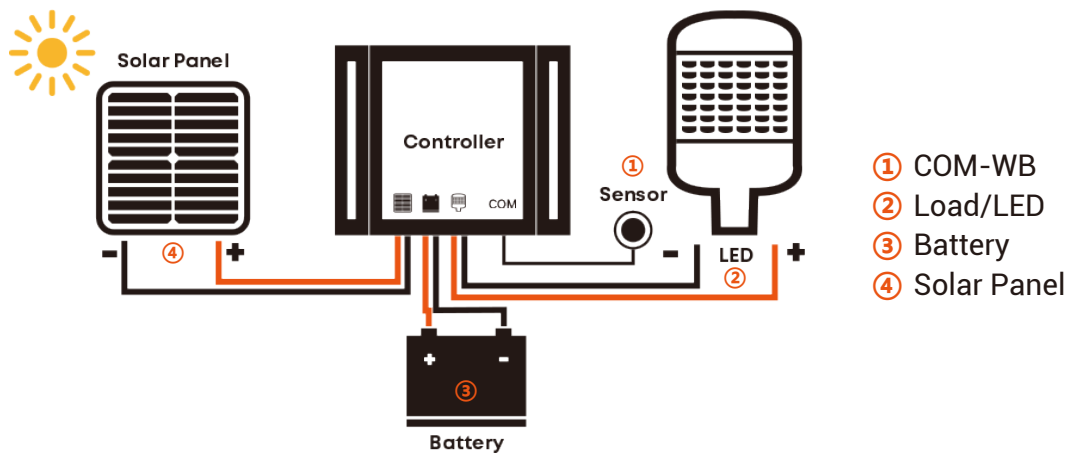


Working Way and Wiring Diagram



During the day, the solar light shines on the solar panel, generating electric energy, which is controlled by the controller to charge the battery. In the evening, the solar light darkens, when the illumination is 15~25LX, the controller stops charging, and then drives the LED light to turn on. If there is an induction function, the light becomes bright when the induction, and the light becomes dark when there is no induction.

Wiring sequence: Firstly connect COM-WB, then the load, then the battery and finally the solar panel.



Working Way and Wiring Diagram

Note:

- 1.The above sensing distance is based on the installation height of 6m,opposite to the sensor, the adult pedestrian speed is about 0.5-1m/s,and the vehicle speed is about 3-5km/h;
- 2.The sizes and speeds of people or objects are different, then the sensing distance vary: the faster speed results in the less sensing distance;
- 3.The sensor is optimally designed for movement detection of people or objects. So, under some specific circumstance, minor actions will not trigger the sensor detection;
- 4.This series of products matches the remote control model: CU-ALL5 (ZJS715 Config Remote Solar) model remote control for adjustment;

Indicator Light Indicator Light

Indicator Light	State of Indicator Light	Description of Indicator Light	State of Remote Controller System
Red	Normally on	Normal system	Idle/discharge
	Slow flash	Charging	Charge
	Fast flash	System failure	Short circuit/open circuit /over-discharge/PV over-temperature/ BV over-temperature/EBMS/over-temperature

Operating Mode:

Steps	With Motion Dim	Witout Motion Dim	Duration
T1	100%	30%	2 hrs
T2	60%	20%	3 hrs
T3	30%	10%	5 hrs
T4	60%	30%	2 hrs

Working mode shall be subject to specific order requirements

