

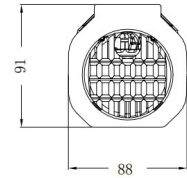
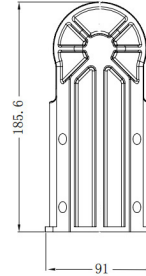
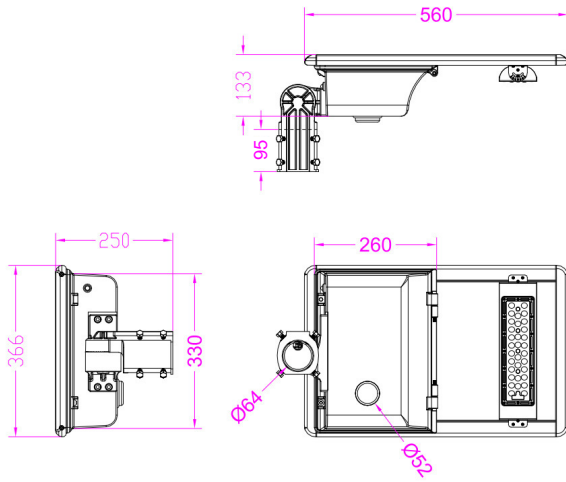
Product Installation Instruction



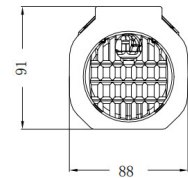
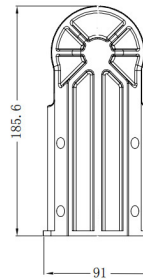
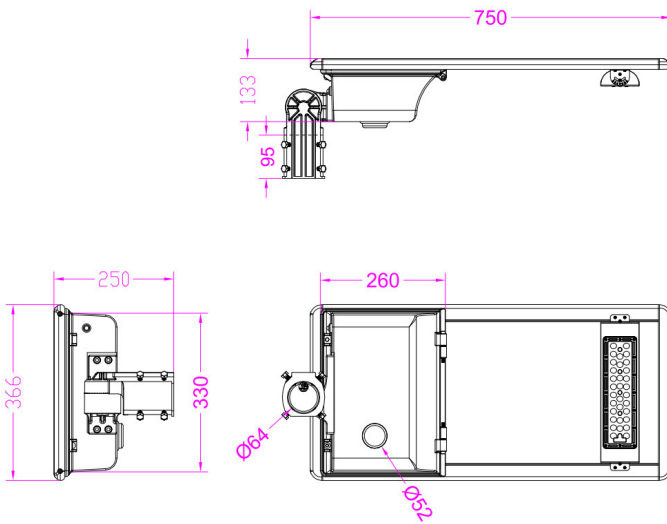
Type Number 型号	Flux(lm) 灯具亮度	battery type 电池类型	Battery parameter 锂电池规格	Solar board type 太阳能电池板类型	PV power 太阳能电池板功率	Solar board voltage 太阳能电池板标称电压	Remote type 遥控方式	Remote distance 遥控距离	CCT 色温	Ta 使用环境温度
BRP715 LED50 CW Solar	5000lm	LFP	12Ah/12.8V	MONO	25W	18V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED70 CW Solar	7200lm	LFP	18Ah/12.8V	MONO	40W	16V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED90 CW Solar	9000lm	LFP	24Ah/12.8V	MONO	50W	18V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED120 CW Solar	12000lm	LFP	30Ah/12.8V	MONO	60W	18V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED180 CW Solar	18000lm	LFP	24Ah/25.6V	MONO	80W	36V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED50 CW Solar Pro	5000lm	LFP	30Ah/12.8V	MONO	50W	18V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED70 CW Solar Pro	7200lm	LFP	42Ah/12.8V	MONO	80W	18V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED90 CW Solar Pro	9000lm	LFP	48Ah/12.8V	MONO	90W	18V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED120 CW Solar Pro	12000lm	LFP	66Ah/12.8V	MONO	100W	18V	microwave	7-8m	5700K	-10°C -55°C
BRP715 LED180 CW Solar Pro	18000lm	LFP	48Ah/25.6V	MONO	160W	36V	microwave	7-8m	5700K	-10°C -55°C

- Product Size (Unit: mm)

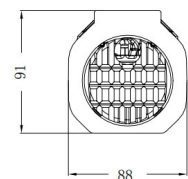
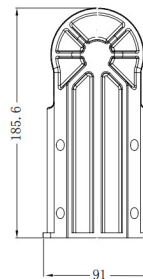
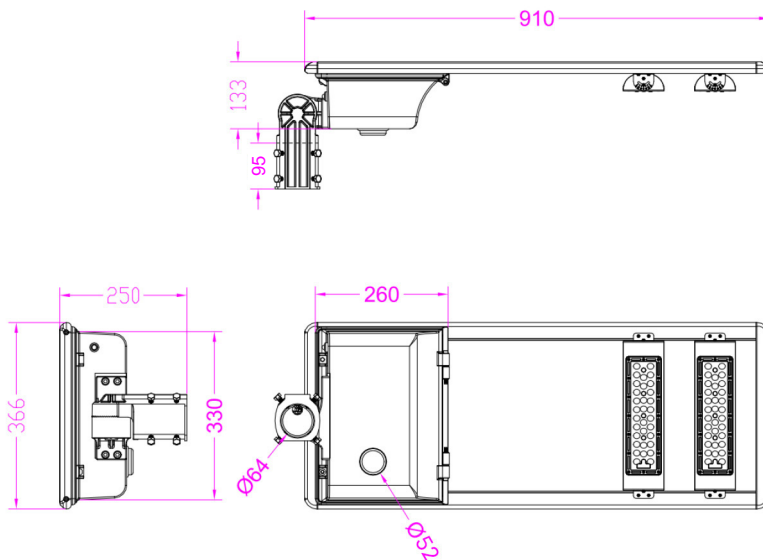
BRP715 LED50 CW Solar



BRP715 LED70 CW Solar

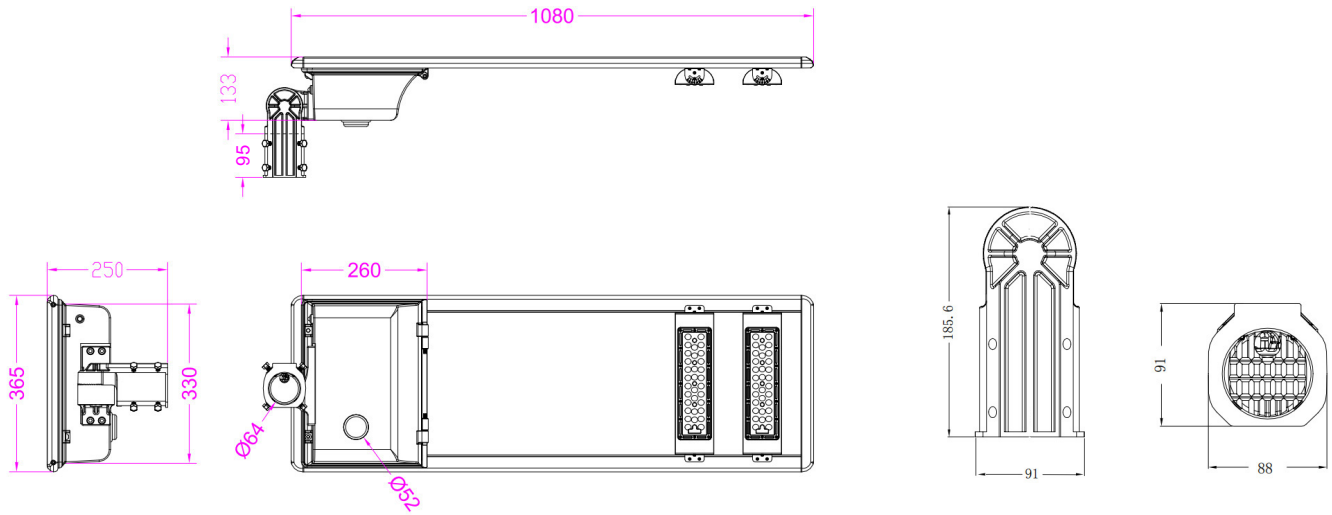


BRP715 LED90 CW Solar

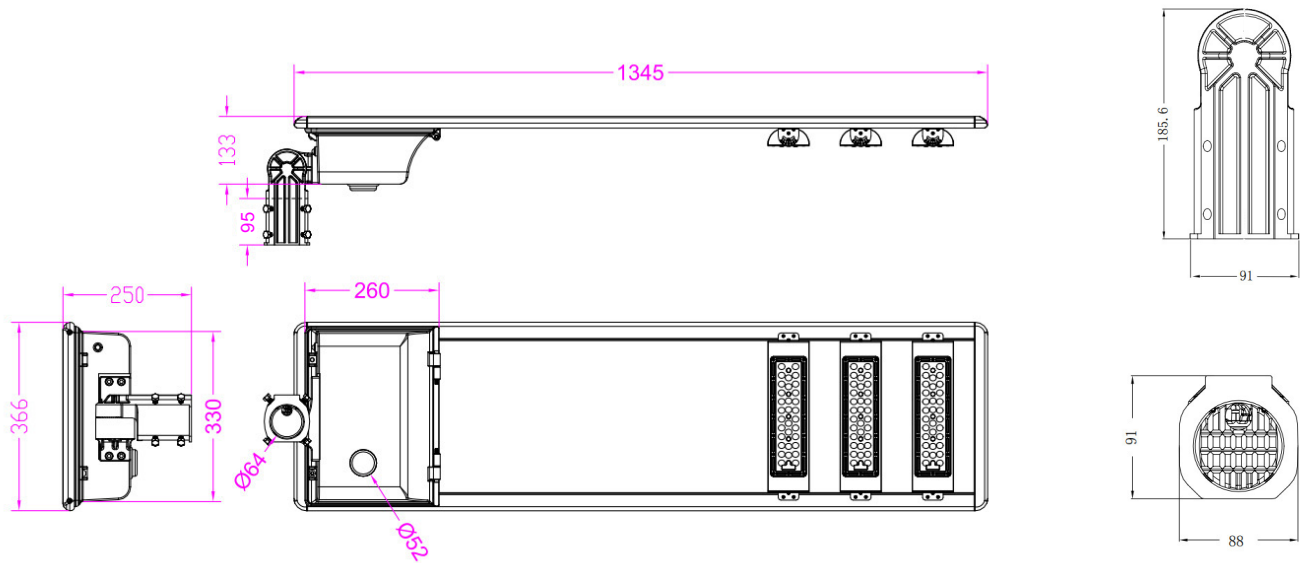


- Product Size (Unit: mm)

BRP715 LED120 CW Solar

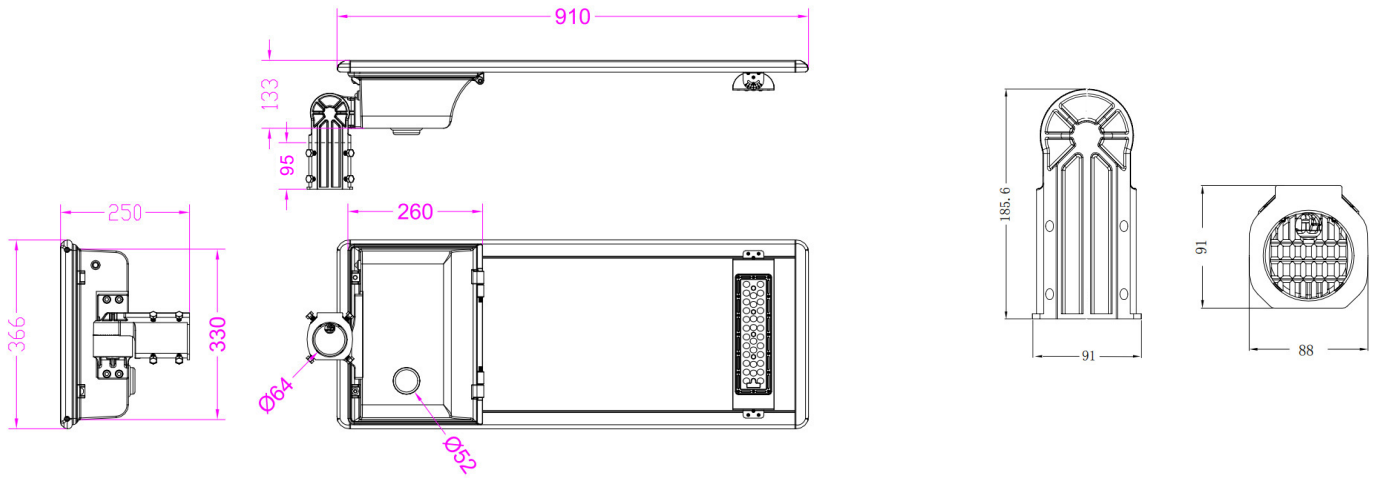


BRP715 LED90 CW Solar

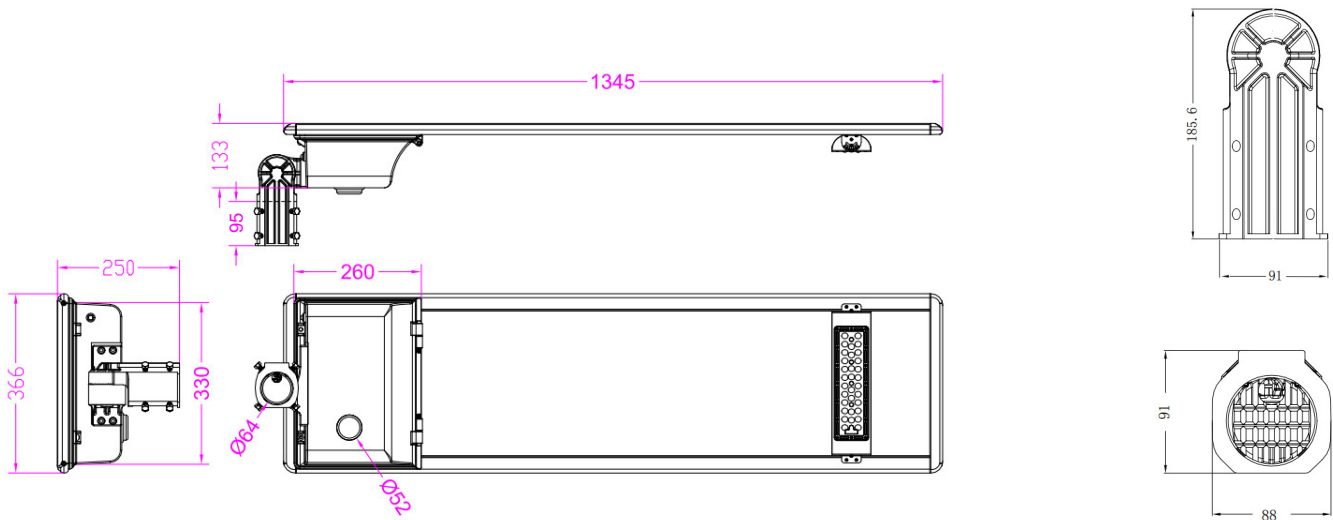


- Product Size (Unit: mm)

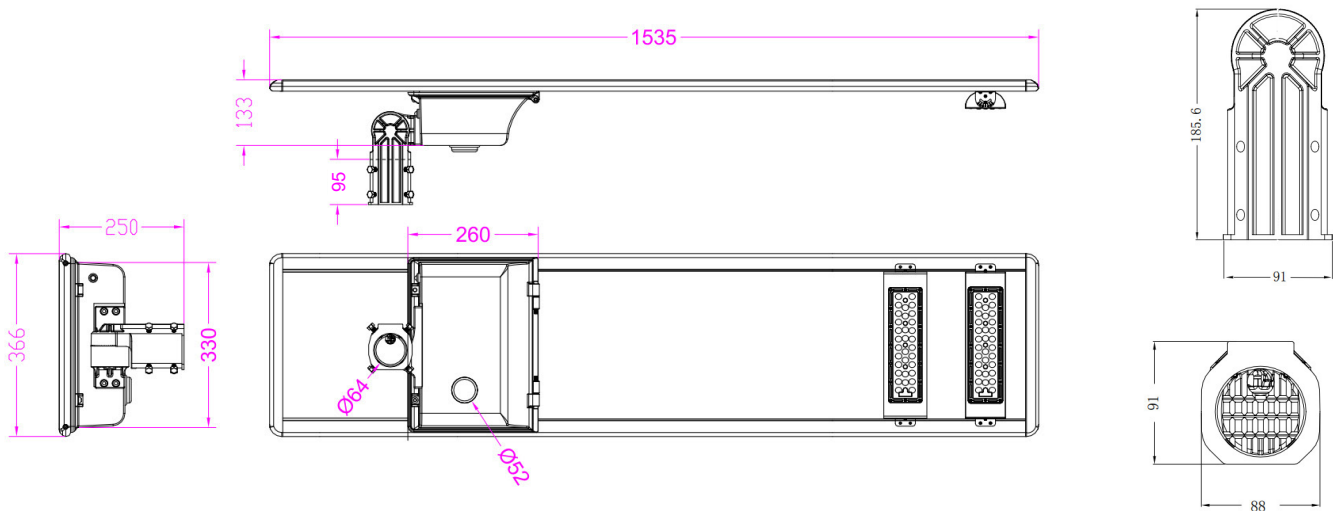
BRP715 LED50 CW Solar Pro



BRP715 LED70 CW Solar Pro

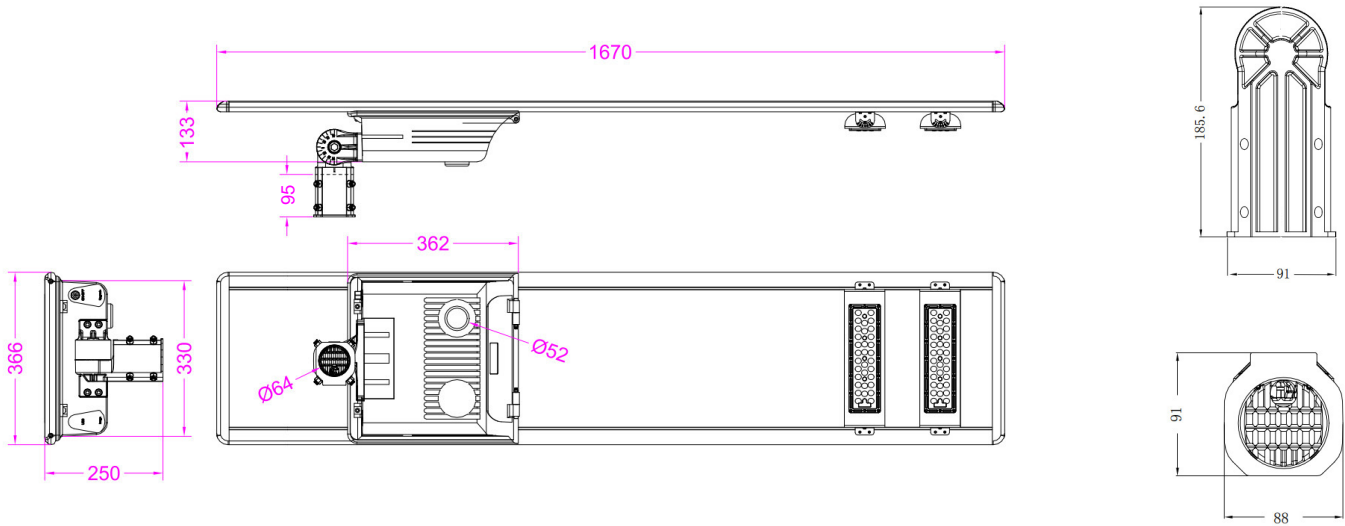


BRP715 LED90 CW Solar Pro

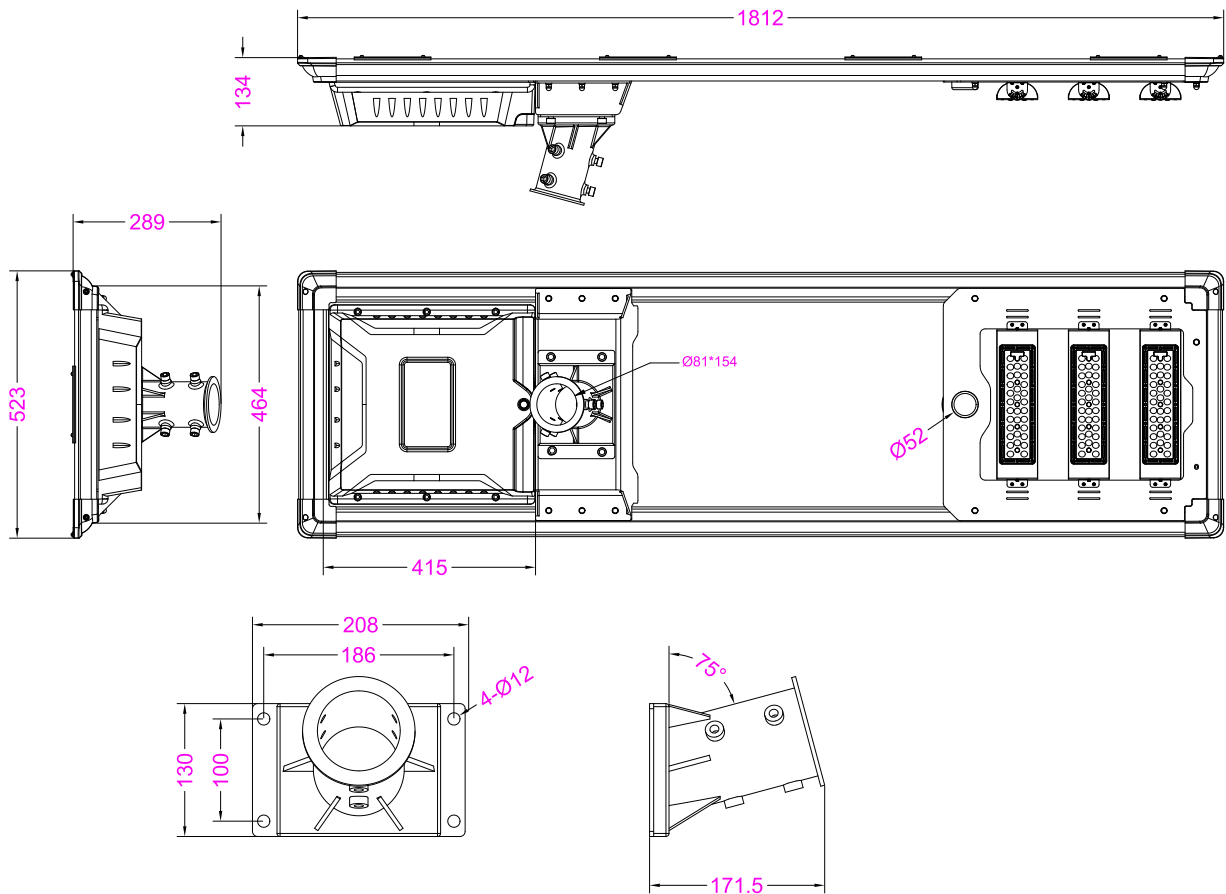


- Product Size (Unit: mm)

BRP715 LED120 CW Solar Pro



BRP715 LED180 CW Solar Pro

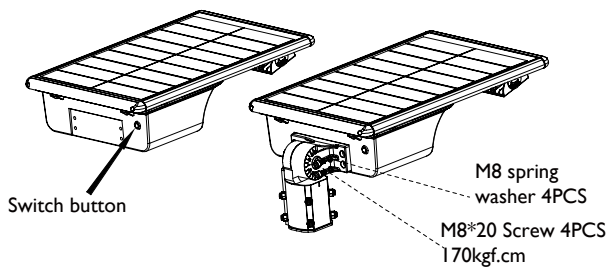


- Installation Instructions

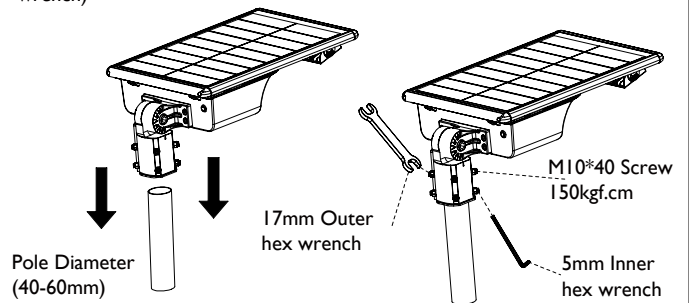
Type-A Universal Bracket	BRP715 LED50 CW Solar	Type-B Post-Top Bracket	BRP715 LED180 CW Solar Pro
	BRP715 LED70 CW Solar		
	BRP715 LED90 CW Solar		
	BRP715 LED120 CW Solar		
	BRP715 LED180 CW Solar		
	BRP715 LED50 CW Solar Pro		
	BRP715 LED70 CW Solar Pro		
	BRP715 LED120 CW Solar Pro		

- Installation Procedure for Type-A Universal Bracket

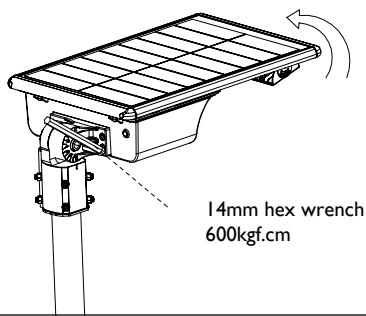
Step 1: A: Open the package to check whether the appearance of the lamp is intact. Click the switch button to test whether the lamp is normal. B: Mount the bracket to the lamp and tighten the screws with a torque of 170kGF. cm (Prepare accessories and tools :6MM hex wrench,M8*20 screws 4PCS, M8 spring washer 4PCS)



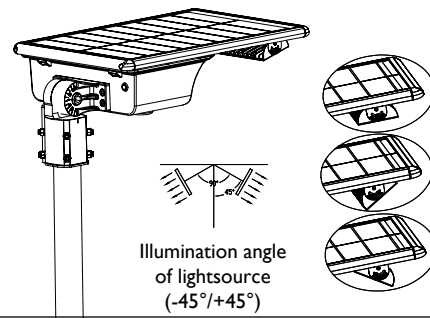
Step 2: A: Put the lamp into the pole, tighten the M10 screw with a torque of 250kGF. cm. B: tighten the M10 nut with a torque of 150kGF. cm (preparation tools :5MM inner hexagon wrench,17mm outer hexagon wrench)



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).

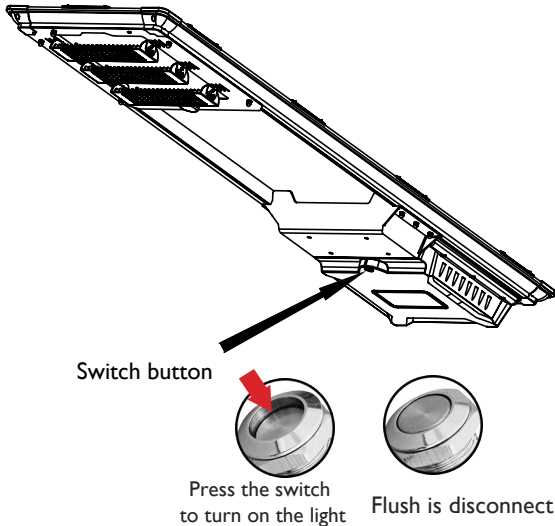


Step 4: Adjust the irradiation Angle of the light source with a screwdriver or a Phillips screwdriver. Tighten the screw with a torque of 8 kgF. cm, and then open the switch button

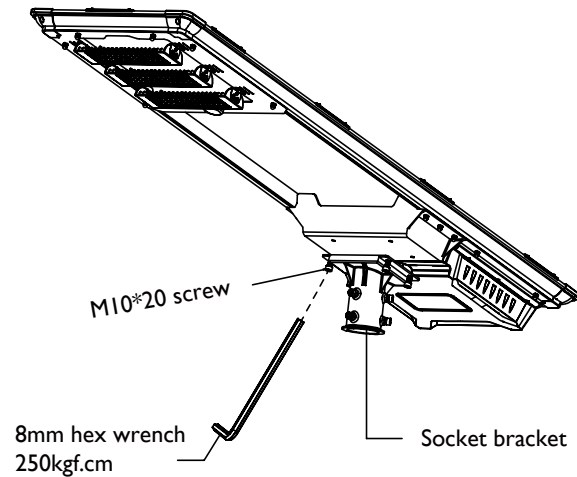


- Installation Procedure for Type-B Post Top Bracket

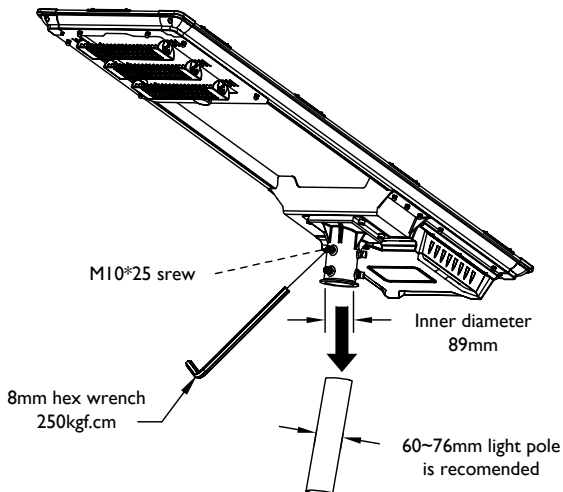
1. Open the package and check whether the appearance of lamp is in good condition. Click the switch button to test whether the lamp is working.



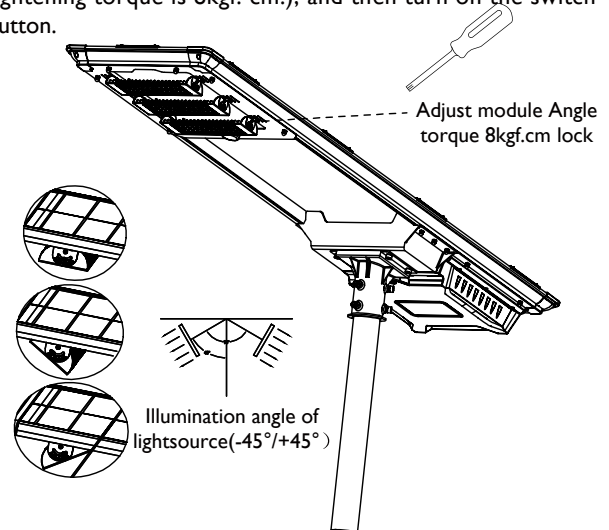
2. Prepare installation tools and accessories: 8mm hexagonal wrench, socket bracket, M10 * 20 screw 4pcs. Assemble the socket bracket to the lamp body, As shown in the picture. (The screw tightening torque is 250 kgf. cm.)



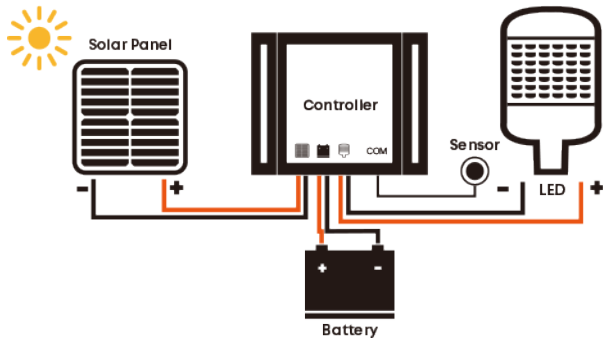
3. Prepare installation tools and accessories: 8mm hexagonal wrench, screw M10*25 6pcs, insert the lamp into the lamp pole, as shown in the picture. Note that the installation of the lamp needs to be adjusted vertically to the ground. (The screw tightening torque is 250 kgf. cm.)



4. Preparation tool: Cross-head screwdriver. Loosen the light source module screw, then adjust the light source module to a suitable lighting angle, as shown in the figure, (The screw tightening torque is 8kgf. cm.), and then turn on the switch button.

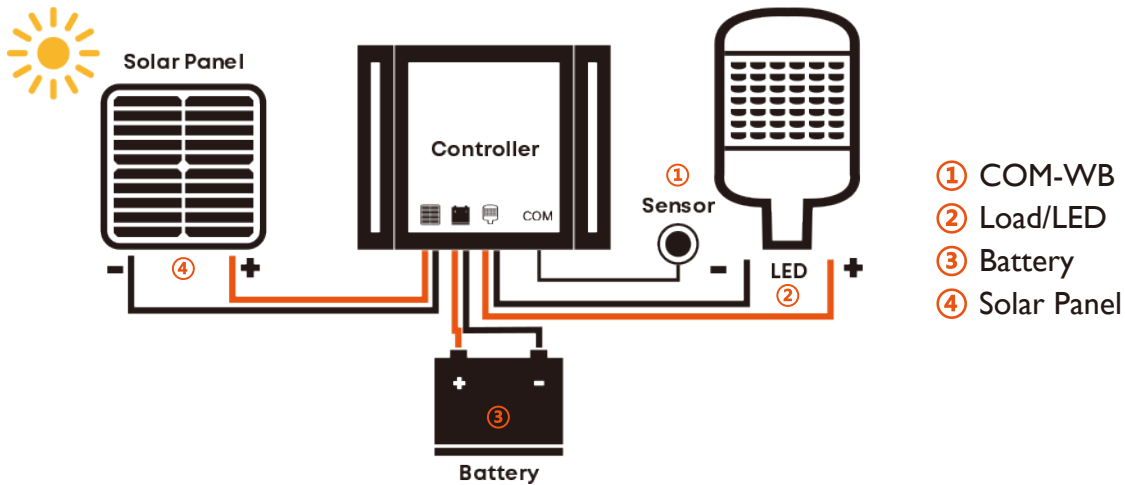


- Working Way and Wiring Diagram



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, 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.



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. The parameters of luminaire can't be reset in field.

Indicator :

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:

BRP715 LED50 CW Solar	BRP715 LED70 CW Solar	BRP715 LED90 CW Solar	BRP715 LED120 CW Solar	BRP715 LED180 CW Solar
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Step	With Motion Dim	Without Motion Dim	Duration
T1	100%	30%	2hrs
T2	60%	20%	3hrs
T3	30%	10%	5hrs
T4	60%	30%	2hrs

Working mode shall be subject to specific order requirements

Operating Mode:

BRP715 LED50 CW Solar Pro	BRP715 LED70 CW Solar Pro	BRP715 LED90 CW Solar Pro	BRP715 LED120 CW Solar Pro	BRP715 LED180 CW Solar Pro
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Step	With Motion Dim	Without Motion Dim	Duration
T1	100%	50%	3hrs
T2	50%	40%	3hrs
T3	50%	30%	4hrs
T4	50%	30%	2hrs

Working mode shall be subject to specific order requirements

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 a multimeter to test the voltage at both ends of the battery is more than 13V (12.8V LiFePO4) / 26V(25.6V LiFePO4)

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.

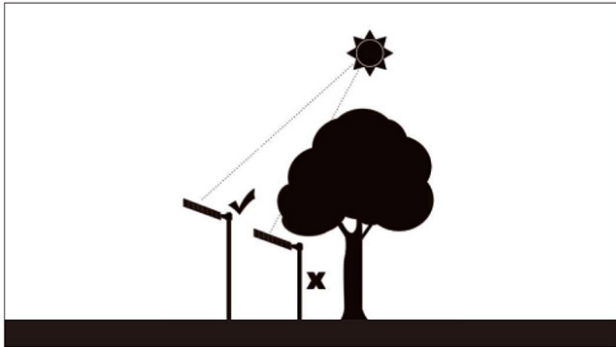
5.The luminaire should not be installed on vibrating surfaces, otherwise the sensor is easy to be triggered by mistake.

Warning:

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.



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)

Warning:

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. The product can withstand typhoon of grade 12, storm above may cause damage to the product

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, discharging temperature is -10-60 °C. Storage temperature: -10~60 °C.

20. The installation distance, both transverse and longitudinal, should be greater than 15m.

If the installation distance is too close, individual lamps may be misfit.

21. The final product interpretation authority of our company.