

Solar LED Street Light



Features.:

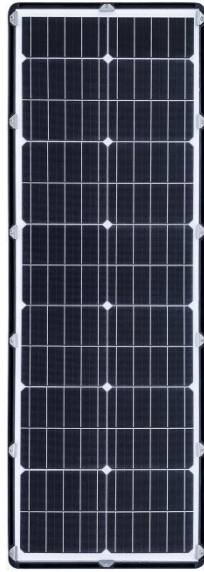
- Integrated design, making full use of solar resources, simple, stylish, light, and extremely convenient to install. The integrated solar street light does not need to be pulled, and two or three people can install one in ten minutes. It provides a variety of installation methods. The lamp post is made from local materials. Iron pillars, wood, bamboo, plastic, etc., low cost;
- Using solar power supply and LED lighting, the two solutions are perfectly combined to save electricity, protect the earth's environment, and save energy;
- Large-capacity and long-life lithium iron phosphate battery is adopted, with a theoretical service life of 5 years, good high-temperature characteristics and long service life, ensuring the service life of the entire product;
- Alloy material is used as the main structure, which has good anti-rust and anti-corrosion functions; rainproof structure, safe and reliable
- Built-in with PIR sensor, when someone approaches, the light will be fully on for 60 seconds. When the person walks away, the light will automatically reduce to 50% brightness, effectively saving electricity energy.

Use: This product is easy to use, with one-button operation, as long as the switch is turned on, the product can work normally without adjustment.

Note: 1. Do not disassemble the product without the guidance of our technical personnel;

2. When installing the product, try to avoid trees, buildings, etc.

Overview



- Protection Rating: IP66
- LEDs: LUXEON 5050 Chip
- Efficiency (whole lamp): 170-180 LM/W
- Control: Timing/PIR/Microwave optional
- Body: Surface anti-corrosive treatment



Battery:

Large capacity, lithium iron phosphate battery

Solar Panel:

Monocrystalline silicon panels, faster conversion of electrical energy

Optic Lens:

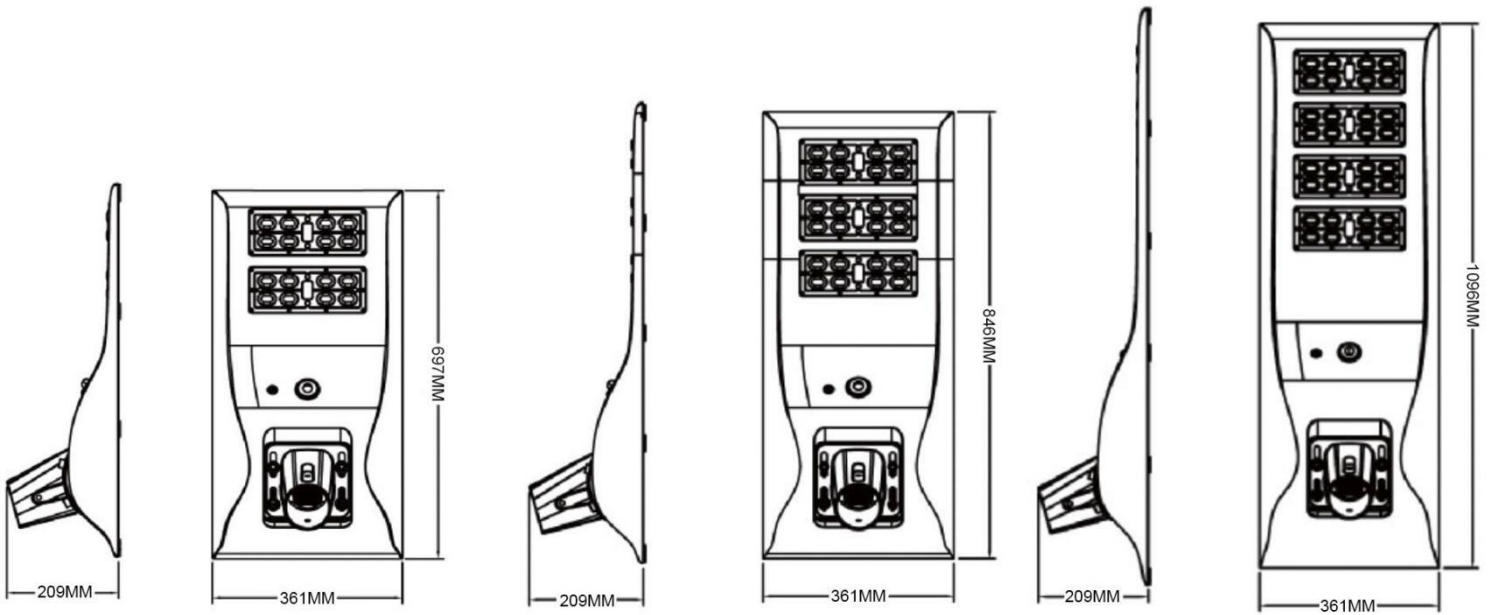
High light transmittance PC cover, more uniform refraction of light, better light transmittance

Lamp Housing:

Integrally Die-casting housing has better heat dissipation

Model	Housing Dimensions(mm)	Housing Net weight	Suitable for Wattage
2 Modules	697x361x209	7.7KGS	10w,15w
3 Modules	846x361x209	9.5KGS	15w,20w
4 Modules	1096x361x209	11.7KGS	25w,30w

Production dimensions



2 Modules

3 Modules

4 Modules



Products Characteristics-1

Model:	MS-SSL18WWZ-L01	MS-SSL25WWZ-L02	MS-SSL30WWZ-L03
Mono solar panel:	6V 40W	6V 50W	6V 60W
Battery capacity:	3.2V 42AH	3.2V 54AH	3.2V 60AH
CCT:	2700K-6500K	2700K-6500K	2700K-6500K
Brightness:	180LM/W	180LM/W	180LM/W
luminous flux	2400-2600LM	3500-3600LM	5900-6000LM
Charging Time:	6~8 hours by bright sunlight	6~8 hours by bright sunlight	6~8 hours by bright sunlight
Working Time:	12-15 hours (5-7 rainy days)	12-15 hours (5-7 rainy days)	12-15 hours (5-7 rainy days)
Control Mode:	Time control + Microwave induction or Infrared induction	Time control + Microwave induction or Infrared induction	Time control + Microwave induction or Infrared induction
IP Rating:	IP66	IP66	IP66
Mounting Height:	6-8M	6-8M	8-10M
Installing space between 2 Lamps:	20-30M	20-30M	20-30M
Mounting hole:	φ78mm	φ78mm	φ78mm
Housing Finish:	Polyester powder coating	Polyester powder coating	Polyester powder coating
Standard colour(s):	Silver/Black color	Silver/Black color	Silver/Black color
Materials:	Aluminum Alloy+Tempered glass+Polycarbonate	Aluminum Alloy+Tempered glass+Polycarbonate	Aluminum Alloy+Tempered glass+Polycarbonate
Body Color:	Black/Silver Gray	Black/Silver Gray	Black/Silver Gray
Certificates:	CE/RoHS	CE/RoHS	CE/RoHS
Warranty:	5 years	5 years	5 years

Products Electrical Parameters

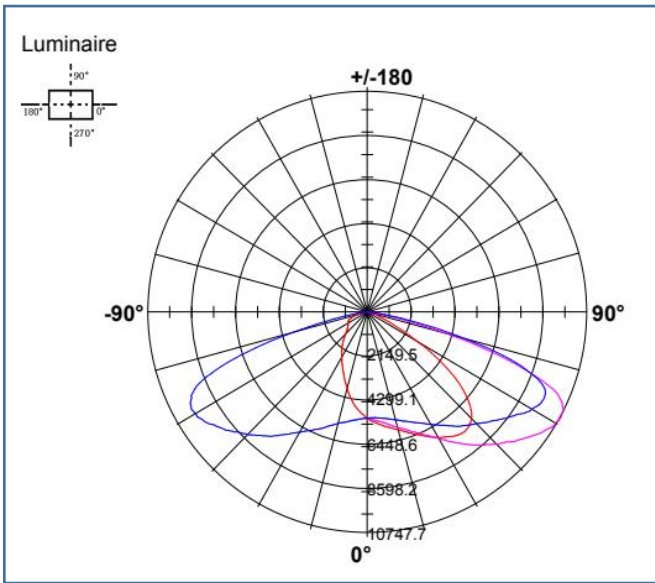
				Nominal flux (lm) (*)	Power consumption (W)	Nominal efficacy (lm/W)	Luminaire output flu(lm)	Luminaire efficacy (lm/W)	Photometry
Lamp	5050 LEDs	Current (mA)	Line Current (A)	(A) Typical	Typical	Typical	Typical	Typical	KingBrite T3
SMALL	16	600	/	12160	13W	185	2180	167	KingBrite T3
	16	680	/	15100	15W	185	2450	163	
	16	820	/	18000	18w	182	2920	162	
Medium	24	910	/	20020	20w	195	3500	175	KingBrite T3
	24	1000	/	22800	22W	195	3800	172	
	24	1150	/	26820	25w	195	4300	172	
Large	32	1280	/	30400	28W	198	5250	187	KingBrite T3
	32	1360	/	28520	30w	198	5850	195	
	32	1450	/	37500	32w	198	6150	192	

Tolerance on LED flux is $\pm 7\%$ and on total luminaire power $\pm 5\%$

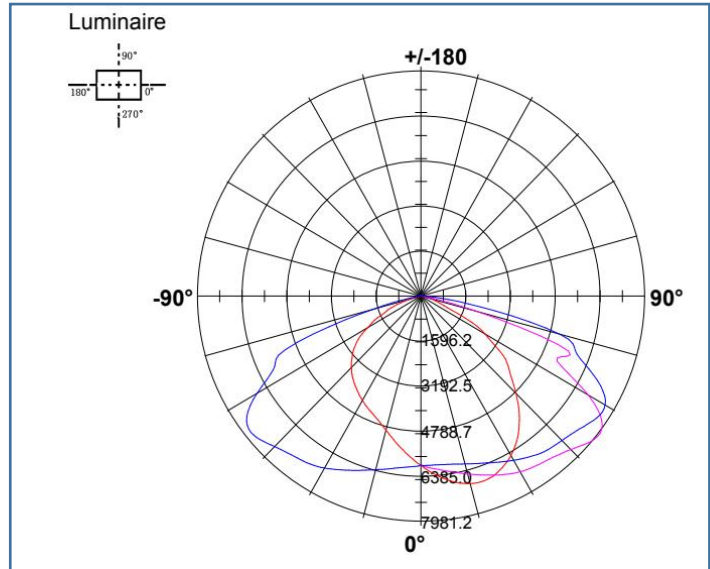
(*) The nominal flux is an indicative LED flux @ Ts 85° C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire. The type of LED used is subject to change due to the ongoing rapid progress taking place in LED technology

Photometric Distribution

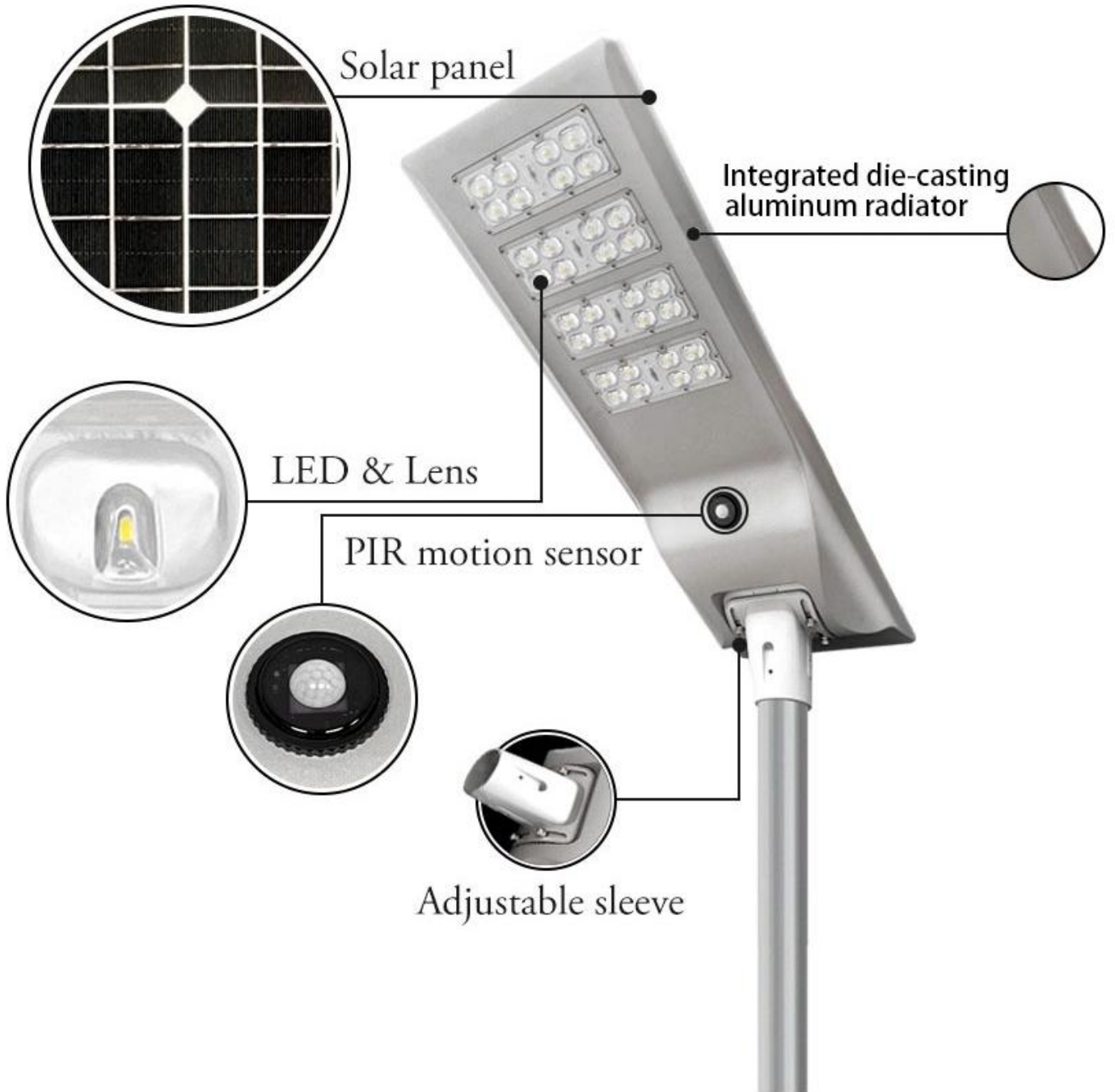
Type II



Type III



Dissamble illustration

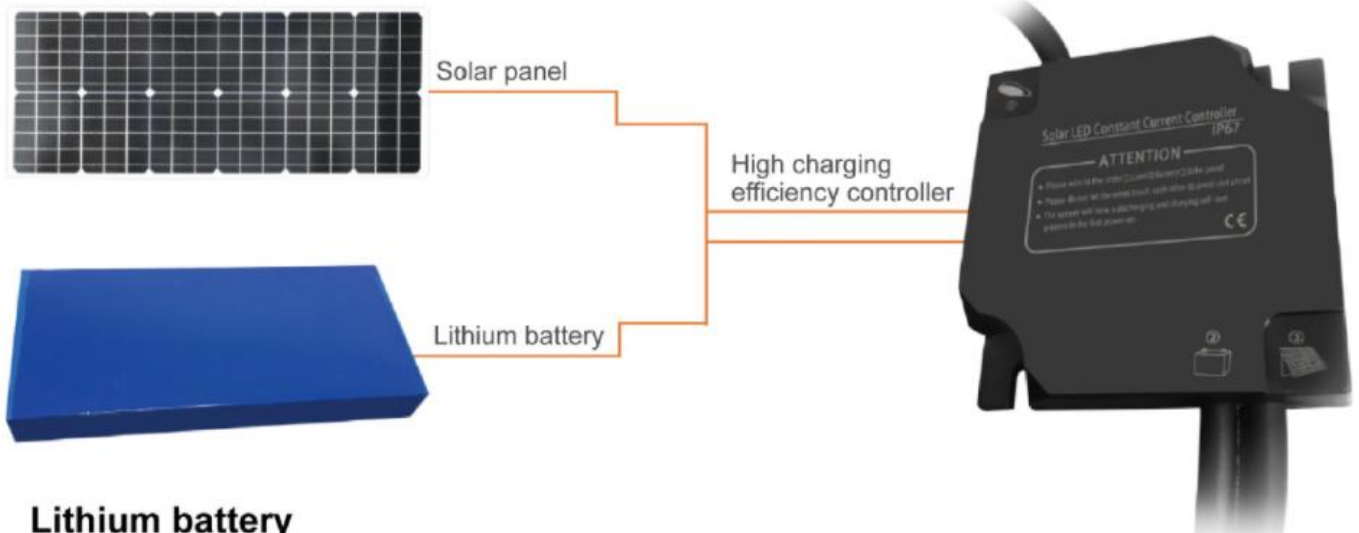


Soar Panels

High charging efficiency controller

Can automatically adjust the output power according to weather changing.

Qualification rate 99.5%

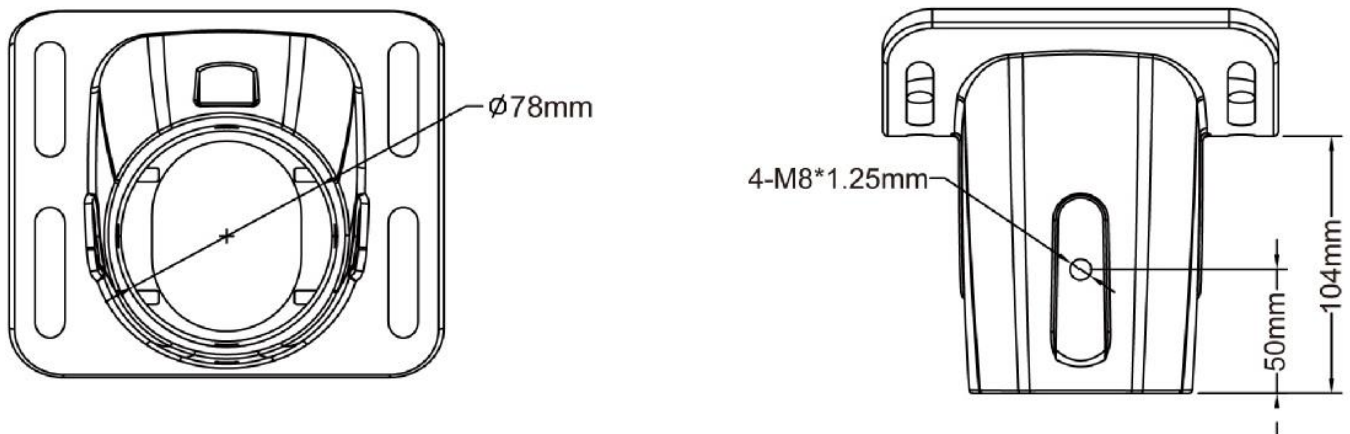


Lithium battery

Can work at temperatures from -20°C to +55°C

Lithium iron phosphate (LiFePO₄) battery **>2000** cycles

Mounting Hole



Package

Item	MS-SSL18WWZ-L01	MS-SSL25WWZ-L02	MS-SSL30WWZ-L03
Package Qty	1 PCS	1 PCS	1 PCS
GW	8.7 KG	11 KG	13.7 KG
Carton(mm) (Lamp)	760*430*150MM	910*430*150MM	1160*430*150MM
Carton(mm) (Base)	460*350*180MM	460*350*180MM	460*350*180MM



Application

