

LUXINT

All In One Solar LED Street Light

Version date: 09.2025

UP TO
6241
Lumens




>250lm/W


Timer


Light Dimmer

CE

RoHS

IP65

IK08


Efficient
Solar Panel


Superior
Outdoor LED


Lightweight
Design


Battery Management
System


High Efficiency
Controller


IP65 Waterproof

SPECIFICATION

ASSL01-S All-in-one Solar Street Light

- Integrated solar street light with lithium ferro phosphate battery.
- Solar panel and MPPT charge controller built into the luminaire.
- Pressure stainless steel material for sturdiness and long life.
- Specially designed pole mounting bracket allows different tilt angles, lateral and pole top mounting.

Features

- High luminous efficacy of > 250 lm/Watt to maximize battery performance.
- Factory set dimming profile along with microwave sensor for run time maximization.
- Dimming can be configured at site with the help of configuration remote controller.
- Self diagnostic feature with LED Indicators.

Product data

LED Light Head

Luminous flux	≥6241lm
Peak LED power	25W
CRI	>70
CCT range (dual color)	3000K~6000K
LED lifetime	>100,000 hours
Light dimension	780*335*246mm
Warranty	5 years

Solar Panel

Peak Power	60W
Max. voltage	18V
Solar cells efficiency	22.3%
Technology	Monocrystalline silicon panel
Operating Temperature	-40 °C ~ 85 °C
Lifetime	>20 years
Waranty	5 years

MPPT Controller

System voltage	3.2V
Max load power	30W
Motion Sensor	Microwave (PIR Optional)
Communication	√ Infrared / 2.4G
MPPT tracking efficiency	98%
Operating temperature	-35 °C ~ 65 °C
IP rate	IP67

LiFePO4 Battery

Battery type	Brand new, 60.0AH
Battery capacity	192WH
Battery lifetime	4000 cycles @ D.O.D 50%
Charge mode	C.C + C.V
Storage Temperature	+5 °C ~ +35 °C
Operating Temperature	-25°C~65°C
Warranty	3 Years

ON/OFF SWITCH

Ensure no discharge during transportation and storage.



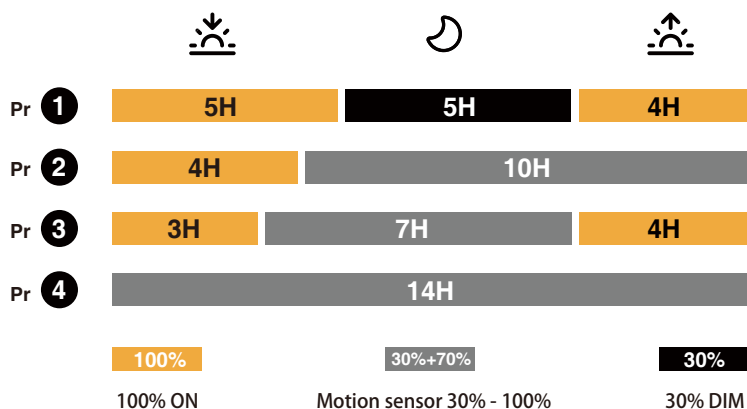
Intelligent Display

Press the switch to wait for 10 seconds the light will turn on.
Press the switch again to turn off the light.

WORKING MODE

Operation Mode & Lighting Schedule

In addition to automatic switching on and off, you have the possibility of choosing among different modular operating modes according to the needs of the project

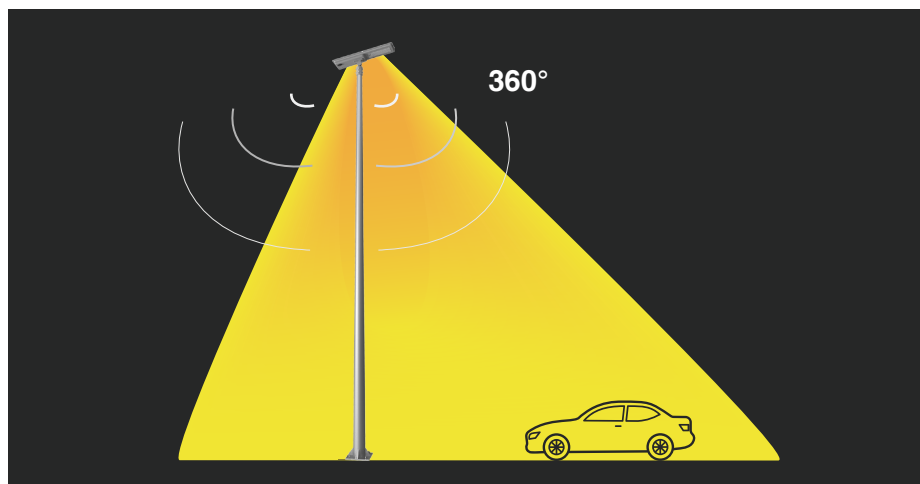


MOTION SENSOR MICROWAVE

Note: luminaires are equipped with microwave sensors that use the Doppler effect (like car radars) to detect a nearby objects and measure the distance. The sensor emits a high frequency wave to reflect off of and analyze the objects in the vicinity.

Since the microwaves only detect specific objects, detection reliability increases resulting in :

- Much better reliability compared to the Infrared sensor
- Up to 360° Directivity
- Insensitivity to other environmental variations such as light, color, temperature, etc.



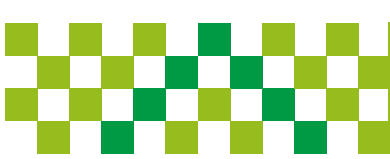


INSTALLATION METHODS

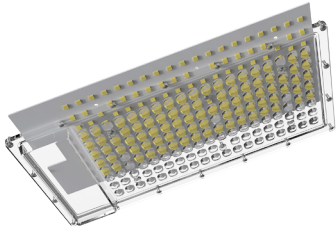


APPLICATIONS

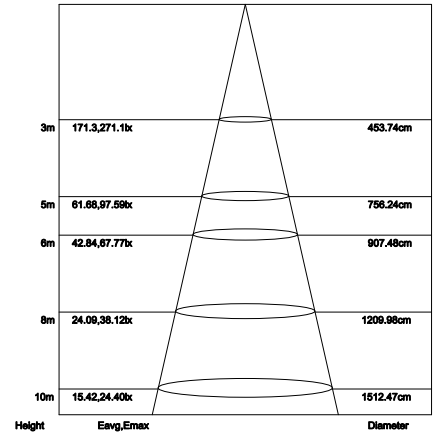
Village streets, Courtyard, Parking lot, Rural areas, Parks, Pedestrian path lighting, Industries, Office, Schools, Shopping centers, Corporate campuses, Plazas.



OPTICAL LENS



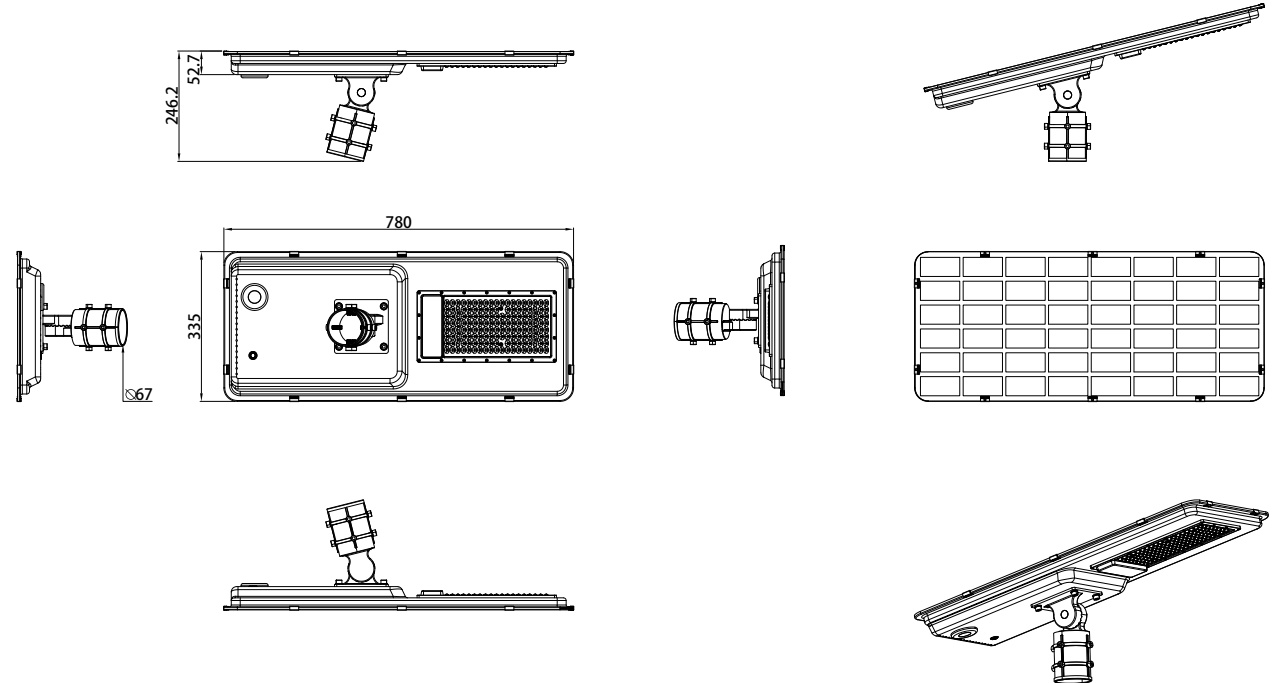
ILLUMINATION



LIGHT DISTRIBUTION

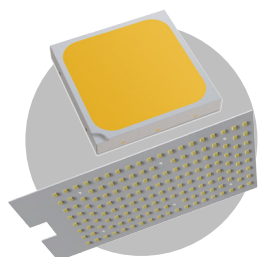
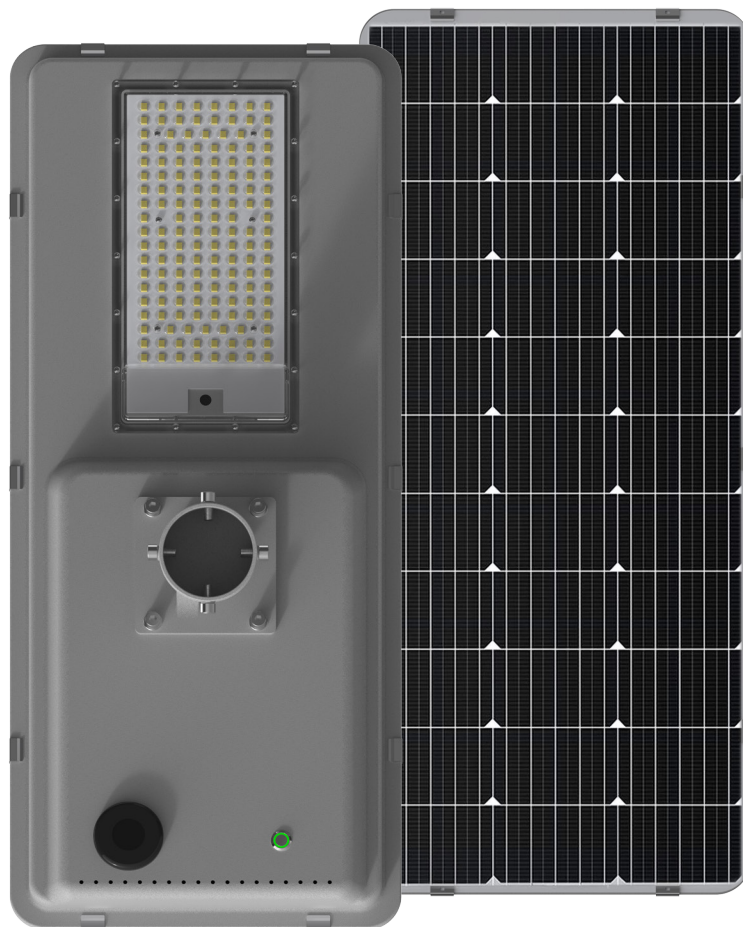


SIZE Unit: mm





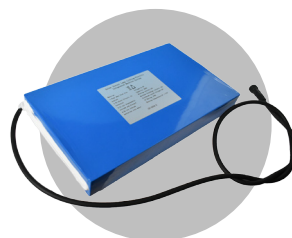
PARTS DETAILED



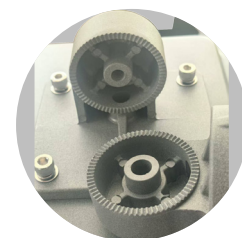
150pcs 5050
Ultra high brightness



MPPT Controller
With microwave motion sensor



LiFePO4 Battery
Brand new



Die-casting Alu
Adjustable accuracy 5°

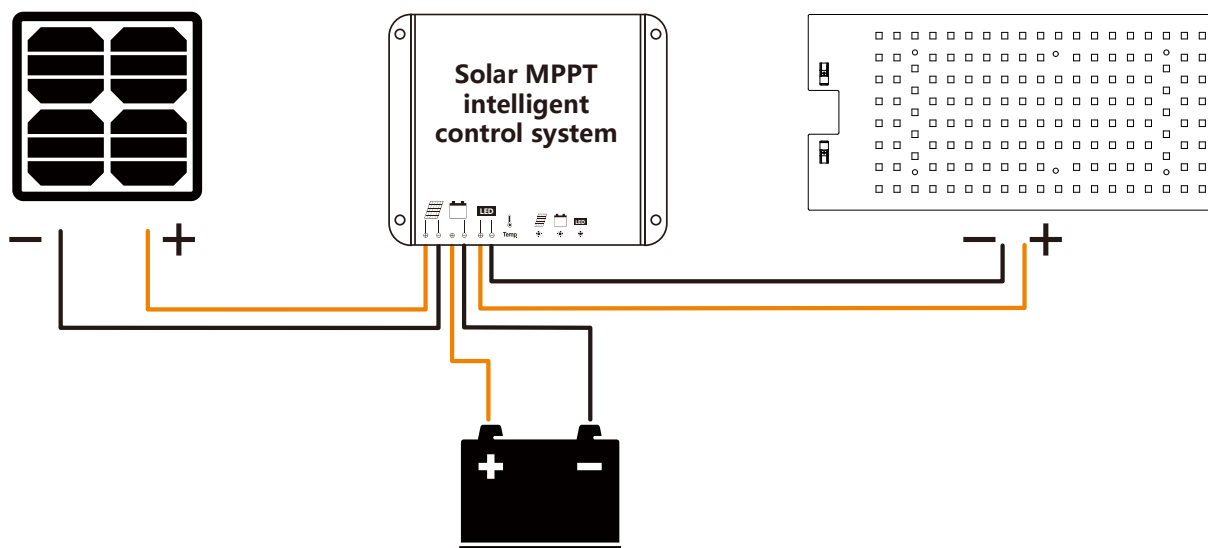


Choose Accessories

Remote control

- Multi-functional key design, commonly used functions operate with one key.
- Wireless remote control realizes precise long-distance control of solar street lights.
- Batch setting of the controller.

SOLAR STREET LIGHT SYSTEM WORKING DIAGRAM



PACKING

Solar Luminaire

Packaging size : 830x385x205mm

Net weight : 6.3kg / 1pcs

Gross weight : 7.8kg / 1pcs

Standards Compliance

- IEC60598-2-3 : Safety of luminaire for road and street lighting.
- IEC 62109-1 : Safety of power converters used in solar panel equipment.
- EN 50530 : Performance evaluation of maximum power point tracking (MPPT).
- IEC 61547 : EMC immunity requirements.
- IEC 62133, IEC 61960 & UL1642 : Safety of lithium ferro phosphate battery.
- IEC 61730-1,2 & IEC 61215 : Safety of solar panel module.

Warnings and Safety

- Install the luminaire in a sunny place that is not shaded by trees, buildings and walls, then the solar panel can receive themaximum sunlight for charging the battery.
- Charge the product under sunlight for at least 8 hours before first time using.
- This luminaire does not need any external electrical connection. It works 100% on solar energy.



PROJECT CASE

