

Solar Street Light

40W/60W/80W/100W/120W



40W



60W



80W



100W

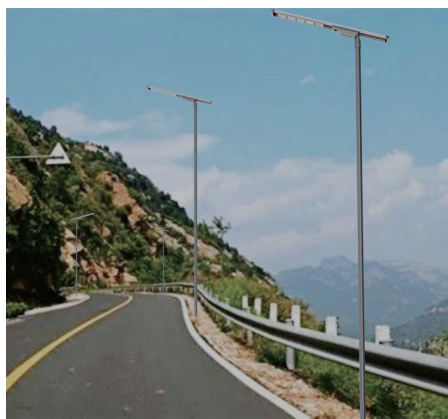


120W



Application

High way/ Patio lighting/Bus Iding Parking/Bike Path/Suitable for Courtyard/Garden/Park/Street/Roadway/Pathway/Parking Lot/Private Road/Sidewalk/Public Square/Plaza.



Features

Integrated design, simple and convenient to install
Solar power supply, long life span and energy saving



Patented appearance

Integrated design of solar panel, microcomputer controller, lithium battery and high-efficiency LED light source



Modular design

Modular design of battery and LED chip, transportation, installation and maintenance are more economical and simple



Proprietary control system

Road Smart self-developed solar controller can adjust different working modes freely, unique control system with more functions, stability is more stronger; Option of microwave induction function to save power and have longer lighting time



The fourth generation of intelligent power control

Upgraded intelligent power control function to regulate reasonable discharge power according to intelligent judgment of recent weather conditions, support longer lighting time and more rainy days



Intelligent high-efficiency lamp chips

5050 lamp chips, optimized brightness, the whole lighting efficiency is greater than 200 lm/w



Intelligent charge and discharge management

Double protection of charging and discharging by software and hardware, and intelligent equalization technology, cycle charging and discharging more than 2000 times



Professional light distribution design

Equipped with patented lens to make the irradiation area more uniform



Indicator lights of battery capacity

Indicator lights of battery capacity display the power of the lamp obviously, which is convenient to observe the charging and discharging of the lamp



Rotating angle design

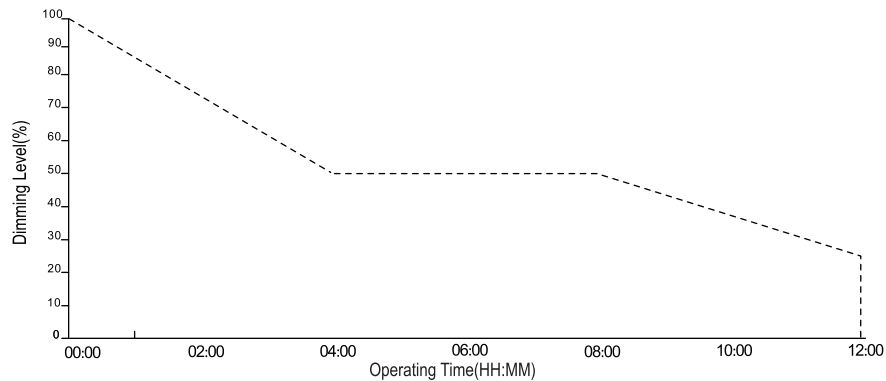
The illumination area and angle of light can be adjusted reasonably according to the width of the road

TYPE	UL-SSL-J-40W	UL-SSL-J-60W	UL-SSL-J-80W	UL-SSL-J-100W	UL-SSL-J-120W
Solar panel	18V 50W	18V 60W	18V 80W	18V 100W	18V 120W
battery capacity	192WH	320WH	480WH	640WH	896WH
LifePO4 Battery	3.2V 60AH	3.2V 100AH	3.2V 150AH	3.2V 200AH	3.2V 280AH
Luminous flux	>4400LM	>6600LM	>8800LM	>11000LM	>14000LM
LED qty	5050 40pcs	5050 60pcs	5050 80pcs	5050 100pcs	5050 120pcs
Luminous flux	220lm/w				
MPPT controll	microwave PIR sensor ,and ON/OFF function				
Lifespan of LED	50000 hrs				
Color temperature	5000K-6000K 70RA				
Solar Charging Time	6 hours by bright sunlight				
Lighting time	5-7 Cloudy/Rainy days				
Material	High Class Aluminum				
Motion sensor	Yes (Microwave Sensor)				
Remote Control	Yes (1pc remote control per lot)				
Working temperature	-20℃ - +65℃				
Top diameter of pole	60mm				
Mounting height	9-12m				
Installation spacing	Suggest install between space30-40m				
IP Rating	IP 66				
luminous angel	75X140°				
Installation method	Die cast rotating arm or straight arm (optional)				
Install angle	10-15°				
Warranty	3Years				
Luminaire dimensions	665X413X81.5mm	855X413X81.5mm	1095X413X81.5mm	1295X413X68.5mm	1513X413X68.5mm
*THE LUMINARYT COMPLY WITH THE CURRENT NOM STANDARDS AND THE IESNA STANDARD LM-79 and LM-80 OR SIMILAR					

Working Modes

Working mode: radar sensing + light control

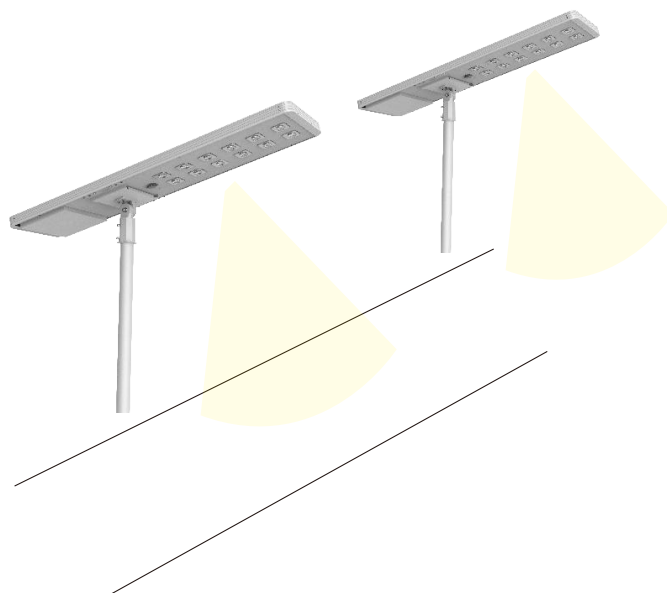
solar-powered street lamp provides the adaptive proportion dimming profile for the output constant current level to perform up to 12 consecutive hours.



The light is on for 12 hours every day. In the first four hours, the power decreases gradually. In the second four hours, the power is maintained at 50%, and in the third four hours, the power is maintained at 25%

Light Distributions

Luminous intensity distribution curves.



Light Distribution Curve [Unit: cd]

