



Electrical Information			
Model No	SL10-40	SL10-50	SL10-60
Power Consumption(η15%)	40W	50W	60W
Power Supply	Inventronics		
Input Voltage	220-240Vac, 50 / 60 Hz		
Power Factor	>0.9		
Surge Protection	6kV line-earth,4kV line-line		
Driver Type	Constant current (CC)		
Battery	LiFePO4 battery		
Battery Capacity	307.2Wh-24Ah	384Wh-30Ah	460.8Wh-36Ah
Solar Panels	Mono-crystalline solar panel		
Solar Panel Wattage	60W		
Charging Time	>6hours	>7hours	>9hours
Operating Time	Normal mode with 100% brightness>8hours, Intelligent mode 3-4 days		
Solar Charge Controller	PWM		
Working Mode	Refer to intelligent control		
Control	Timmer dimming/PIR sensor		

Optic Information			
LED Type	LED 2835		
Luminous Flux (η10%)	8000lm	10000lm	12000lm
Efficacy(4000K Ra70)	200lm/W		
Correlated Color Temperature	4000K (3000K, 5000K optional)		
Color Rendering Index	Ra70 (Ra80 optional)		
Beam Angle	R10801, R10803, R10805		
UGR Level	NA		

Description

SL10 Solar Fin is a newly designed LED solar street light, with unique streamlined appearance, SL10 offer full wattage range, the system efficiency is up to 200lm/W, and makes it higher lumen package on lower power. SL10 support solar power and electric power hybrid solution, which makes it flexible to meet different projects and applications.

Key Features

- Nice design with higher weight, easier installation
- System efficiency up to 200lm/w with competitive price
- The controller has built in PIR sensor and timer dimming function
- LiFePO4 battery is with longer lifetime, charge for 8 hours which can continuous working for 3 days
- IP65 protection
- Mono-crystalline photovoltaic with a higher conversation efficiency
- Adjustable angle
- Different mounting options
- Support hybrid function

Applications

- Village streets
- Urban road
- Courtyard
- Parking lot

Dimentions and Mount

Product Dimension (Side Entry)	965x429x187mm		
Luminaire Net Weight	14.5±0.3kg	15±0.3kg	15.5±0.3kg
Export Carton Size	1020x520x255mm		
Gross Weight	16.3±0.3kg	16.8±0.3kg	17.3±0.3kg
Mounting Option	Post top mount		
	Side entry mount		
Material	Aluminum alloy		
	Polycarbonate optical lens		
	LiFePO4 battery		
	Mono-crystalline solar panel		
Finish	Powder coating		
Fixture Color	Silvery		
EPA	4.95ft²/0.46m²		
IP Rating	IP65		
Category of corrosion	C3 (ISO 9223:2012)		

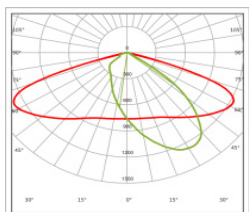
Lifespan and Warranty

Operating Temperature	0°C to +50°C		
Life Time of LED @Ta=25°C	31000hrs-L90		
	64000hrs-L80		
	101000hrs-L70		
Warranty	Battery	3 Years	
	Other accessories	5 Years	

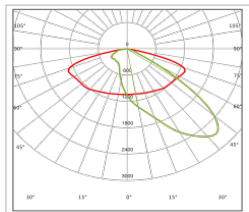
New Features

* Please consult us for details.

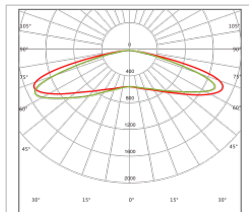
Photometry



R10801



R10803



R10805

Mounting Options



Side Entry Mount



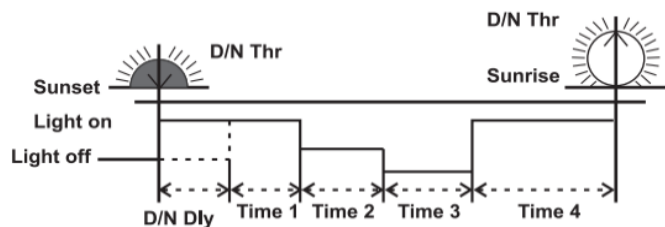
Post Top Mount

Intelligent Control Mode

Main Function

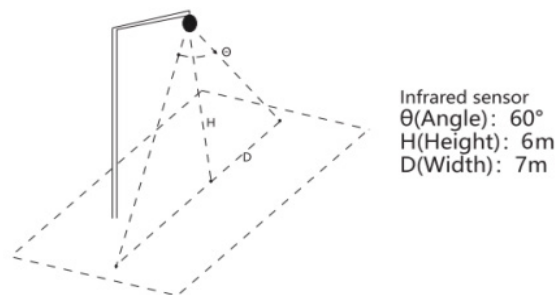
This is hybrid solar energy street light. When the battery storage is insufficient (the battery voltage is lower than 9.6V), the luminaire will automatically switch to the mains power supply. When the solar power supply restores the voltage, the system will automatically cut off the mains power supply and restore the solar power supply.

4 Stages Night Mode



* Please note the sensor function is available from time 1 to time 4.

* You can set the fixtures with 4 stages timer dimming yourself by the remote control.



PIR Sensor Detect Areas

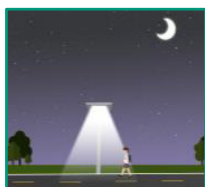
Factory Default setting



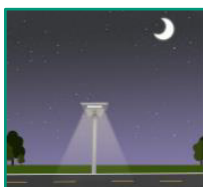
With sufficient natural light, the light keeps charging.



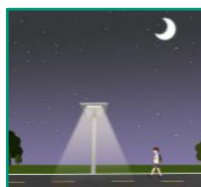
The light keeps 100% brightness for 0.5 hour.



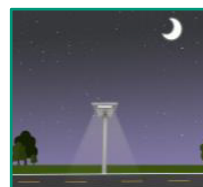
The light keeps 50% brightness when presence is detected in the 1st 4 hours.



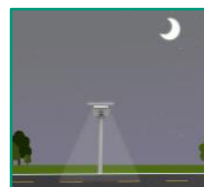
The light keeps 10% brightness when no presence is detected after 30S hold time in the 1st 4 hours.



The light keeps 20% brightness when presence is detected in the 2nd 4 hours.



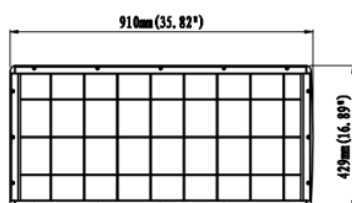
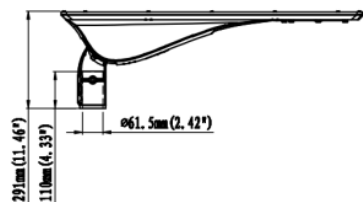
The light keeps 10% brightness when no presence is detected after 30S hold time in the 2nd 4 hours.



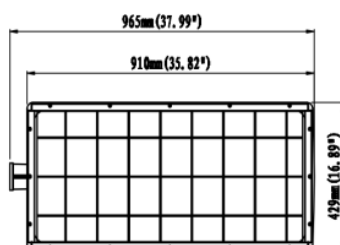
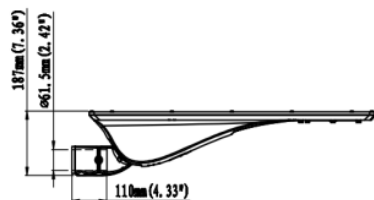
The light keeps 10% brightness for 3 hours until sunrise.

The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0 ~8.0V

Dimensions



Post Top Mount



Side Entry Mount

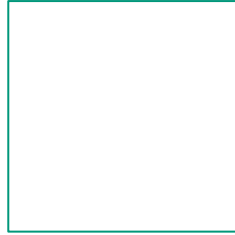
Accessories



Optic lens

High transmittance PC materials,
UV test approval.

Code: please refer to Photometry for different
beam angle.



Pole mount spigot

ADC12 materials, $\pm 15^\circ$ tilt adjustable, for dia.
60/ 76mm pole.

Code:SP-R33-01(for dia.60mm).
Code:SP-R33-02(for dia.76mm).



Remote Controller

Remote Controller for Solar Street light.

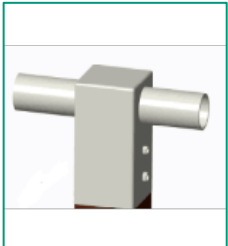
Code: SG-Unit(JGB-8019)



Wall mount adaptor

Q235+SPCC materials with outdoor powder coating.

Code: SP-R03-18



T shape pole mount adaptor

Q235 with Akzo Powder Coating materials, for
100x100mm square pole.

Code: SP-R03-07



T shape pole mount adaptor

Q235 materials, for dia.60/ 76mm pole.

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)



L shape pole mount adaptor

Q235 materials, for 100x100mm square pole.

Code: SP-R03-10



L shape pole mount adaptor

SPCC materials, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)