



Description

SL15-Max Solar Fin is a full range integrated solar street light, four sizes covering 30W, 40W, 50W, 60W, 80W, 100W, will satisfy different applications. The cutting edge structure design and flexible mounting angle contribute to an easy installation. The built-in PIR sensor supports intelligent dimming control and offer longer discharge time. SL15-MaxSolar Fin, the easy, clean and long working period street light.

Key Features

- Full wattages, 30W, 40W, 50W, 60W, 80W, 100W.
- High system efficiency up to 200lm/w, lumen package from 6000lm to 20000lm
- Smart control with built-in PIR sensor and timer dimming.
- Higher conversion Mono-crystalline photovoltaic solar panel.
- Easy maintenance with removable battery.
- $\pm 80^\circ$ adjustable mounting angle

Applications

- Streets
- Urban Roads
- Parking Lots
- Pathways
- Parks

Electrical Information

Model No.	SL15-30	SL15-40	SL15-50	SL15-60	SL15-80	SL15-100
Power Consumption ($\pm 5\%$)	30W	40W	50W	60W	80W	100W
Battery	LiFePO4 battery					
Battery Capacity	230.4WH	307.2WH	384WH	460.8WH	614.4WH	768WH
Solar Panels	Mono-crystalline solar panel					
Solar Panel Wattage	56W	78W		88W		108W
Charging Time	>9 hours					
Operating Time	3 - 4 days on default profile with fully charged battery.					
Solar Charge Controller	MPPT					
Working Mode	Refer to Intelligent control					
Control	Timmer dimming/PIR sensor					

Optic Information

LED Type	LED 2835					
Lumious Flux ($\pm 10\%$)	6000lm	8000lm	10000lm	12000lm	16000lm	20000lm
Efficacy (4000K Ra70)	200lm/W					
Correlated Color Temperature	4000K (3000K, 5000K optional)					
Color Rendering Index	Ra70 (Ra80 optional)					
Beam Angle	Type II (A10801), Type III (A10803), Type V (A10805)					
UGR Level	NA					

Dimintions and Mount

Product Dimension	796x422x342mm	1100x422x342mm		1282x422x342mm		1532x422x342mm
Luminaire Net Weight (±0.3kg)	13.5	16.5	17.0	20.0	21.5	24.0
Export Carton Size	910x530x255mm	1225x530x255mm		1405x530x255mm		1655x530x255mm
Gross Weight (±0.3kg)	15.8	19.5	20.1	23.1	24.7	27.6
Mounting Option	Post top mounting					
Material	Aluminum alloy					
	Polycarbonate optical lens					
	LiFePO4 battery					
	Mono-Crystalline solar panel					
Finish	Powder coating					
Fixture Color	Silver					
EPA	0.403m²(4.34ft²)	0.557m² (6ft²)		0.649m²(6.99ft²)		0.776m²(8.35ft²)
IP Rating	IP65					
Category of corrosion	C3					

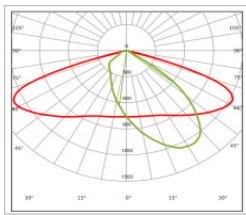
Lifespan and Warranty

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				

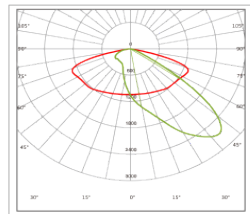
New Features

* Please consult us for details.

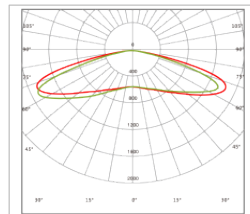
Photometry



Type II (A10801)



Type III (A10803)



Type V (A10805)

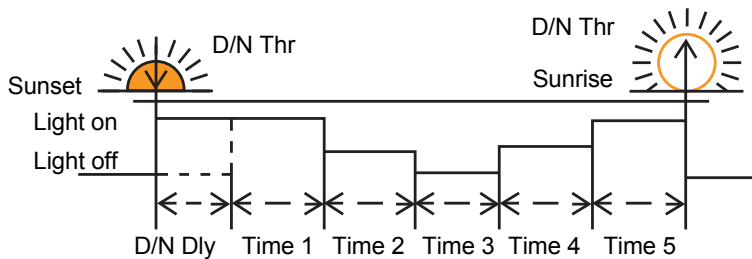
Mounting Options



Post Top Mount

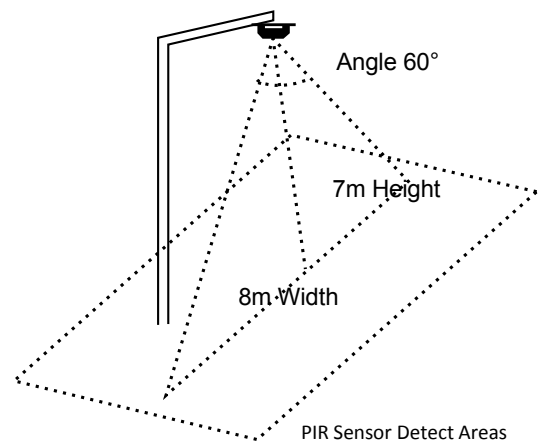
Intelligent Control Mode

5 Stage Night Mode

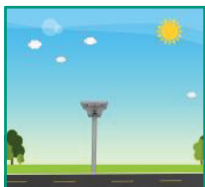


*You can note the Sensor function is only available at Time 3 and Time 4

*Please note the fixtures with 5 stages timer dimming yourself by the remote controller.



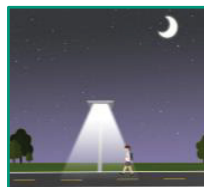
Factory Default setting



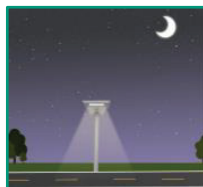
With sufficient natural light, the light keeps charging until sunset.



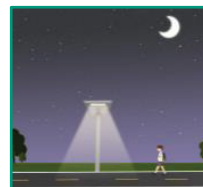
Time 1 (T1) = 0 hours. The light stays at 100% brightness for Time 2 (T2) = 0.5 hours.



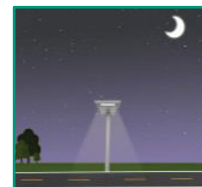
The light stays at 50% brightness when presence is detected during this time period, Time 3 (T3) = 4 hours.



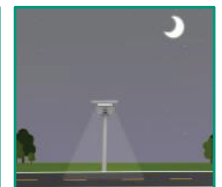
The light stays at 10% brightness when no presence is detected during this time period, Time 3 (T3) = 4 hours.



The light stays at 20% brightness when presence is detected during this variable time period, Time 4 (T4) = TOT. T4 is calculated by the controller.



The light stays at 10% brightness when no presence is detected after a 30-second hold during this variable time period, Time 4 (T4) = TOT.

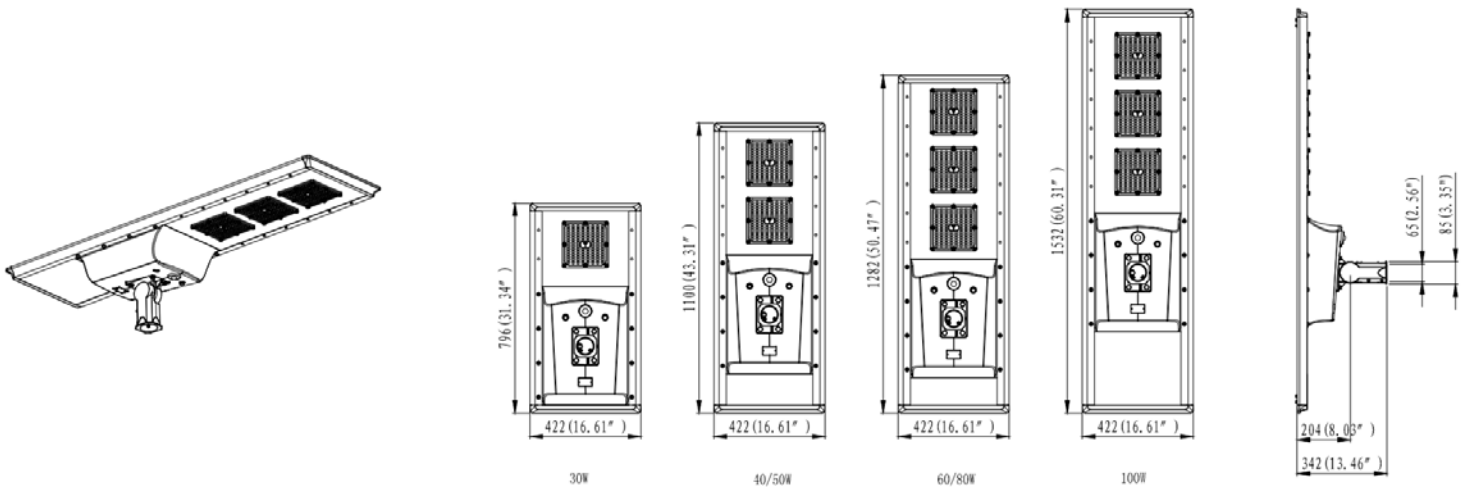


The light stays at 10% brightness for the last 0.5 hours until sunrise, Time 5 (T5) = 0.5 hours.

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

Unit: mm



Accessories



Remote control

Remote Controller for Solar Street light.

Model No.: R-P-SL15