Hybrilux

SL15 MAX SOLAR FIN (HYBRID)

Version: 1.0

Electrical Information

Model No.	SL15-30	SL15-40	SL15-50	SL15-60	SL15-80	SL15-100
Power Consumption (±5%)	30W	40W	50W	60W	80W	100W
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	230.4WH	307.2WH	384WH	460.8WH	460.8WH	614.4WH
Solar Panels	Mono-crystalline solar panel					
Solar Panel Wattage	45W	63W		80W		90W
Charging Time	＞9 hours					
Operating Time	Normal mode with 100% brightness>7.7hours, Intelligent mode 3-4 days				Normal mode with 100% brightness>6hours, Intelligent mode 3-4 days	
Solar Charge Controller	MPPT					
Working Mode	Refer Intelligent control					
Control	Timmer dimming/PIR sensor					

Optic Information

LED Type	LED 2835					
Luminous Flux (±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	R10801, R10803, R10805					
UGR Level	NA					

Description

SL15 Max Solar Fin is a full range integrated solar streetlight, four sizes covering 30W, 40W, 50W, 60W, 80W, 100W, will satisfy different applications. The cutting edge structure design and flexible mounting angle enable easy installtion. The built-in PIR sensor support intelligent dimming control, and offer longer operating times.

Dimentions 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 (ISO 9223:2012)					

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 sesnor and timmer dimming.
- Higher conversion Mono-crystalline photovoltaic solar panel.
- Easy maintainance with removable battery.
- ±80° adjustable mounting angle

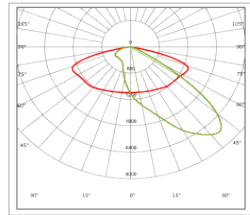| Operating Temperature	0°C to + 50°C	
Life Time of LED @Ta=25°C	64000hrs-L80	
	101000hrs-L70	
Warranty	Battery	3 Years
	Other accessories	5 Years

Applications

- Village streets
- Urban road
- Courtyard
- Parking lot
- Walk path
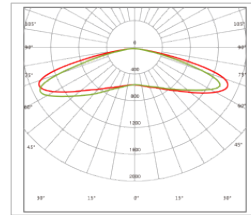- Park

New Features

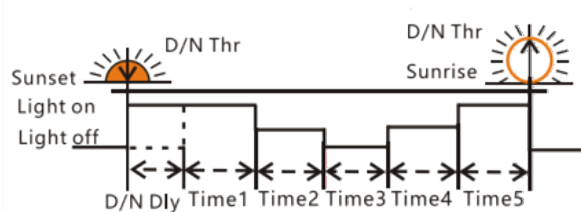CE RoHS

Photometry
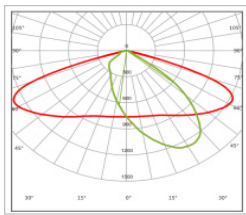
R10801
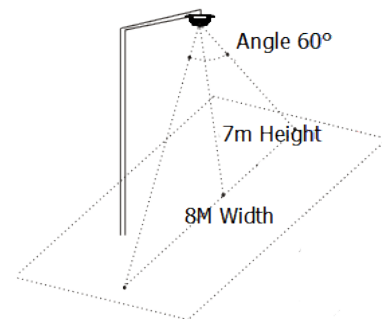
R10803

R10805

Mounting Options

Post Top Mount

Intelligent Control Mode

5 Stage Night Mode

* Please note the sensor function is available from time 1 to time 4.
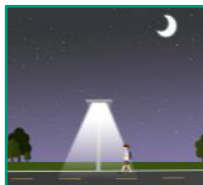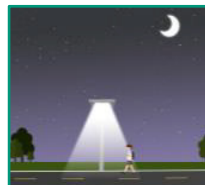*You can set the fixtures with 4 stages timmer dimming yourself by the remote control.

Angle 60°

7m Height

8M Width

PIR Sensor Detect Areas

Factory Default setting

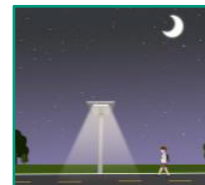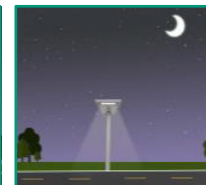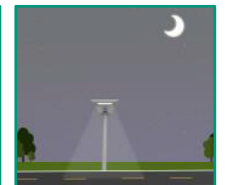|						
With sufficient natural light, the light keeps charging.	The light keeps 100% brightness for 0.5 hour.	The light keeps 50% brightness when presence is detected in the 1st 4 hours.	The light keeps 10% brightness when no presence is detected after 30S hold time in the 1st 4 hours.	The light keeps 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.
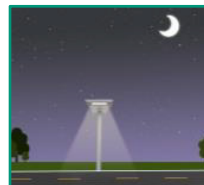
The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0 ~8.0V

Dimensions

Unit: mm

30W

40/50W

60/80W

100W
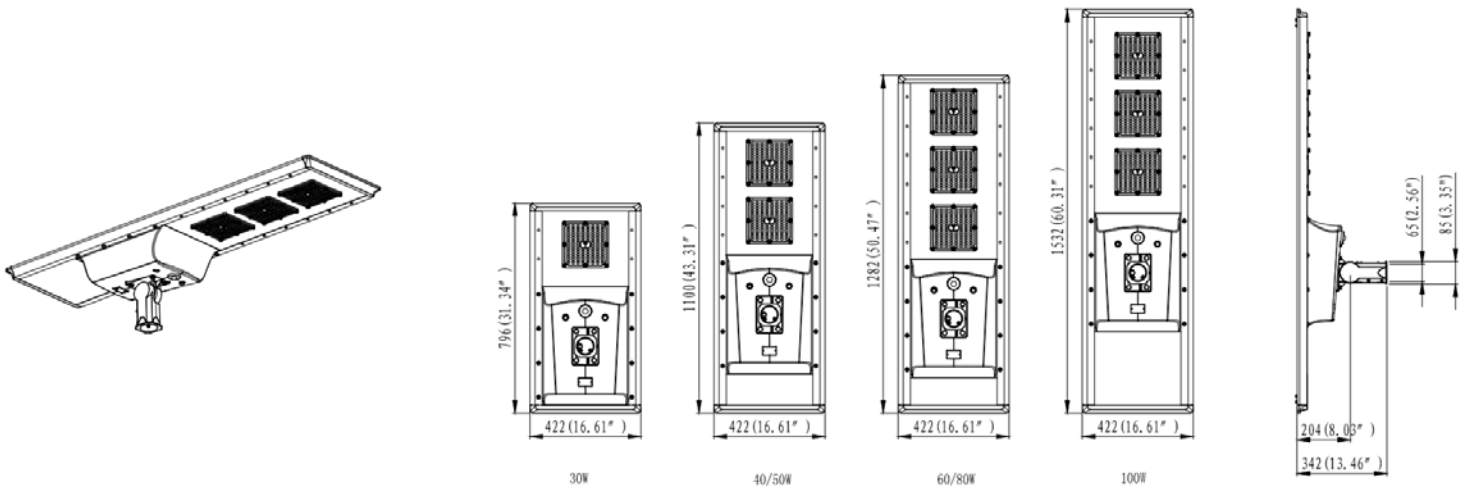
Accessories

Remote control

remote controller for solar street light.

Code: SG-Unit(JGB-8019)