CE RoHS

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					

Dimentions and Mount

Product Dimension	31.33x16.61x13.46"		43.30x16.61x13.46"		50.47x16.61x13.46"	60.70x16.61x13.46"
Luminaire Net Weight (lbs)	29.76 LBS	36.37 LBS	37.47 LBS	44.09 LBS	47.39 LBS	52.91 LBS
Export Carton Size	35.82x20.86x10.03"		48.22x20.86x10.03"		55.31x20.86x10.03"	65.15x20.86x10.03"
Gross Weight (lbs)	34.83 LBS	42.99 LBS	44.31 LBS	50.92 LBS	54.45 LBS	60.84 LBS
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)					

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

Description

Wagonway's Max Solar Fin is an improvment for Solar lighting.
This fixture is a very powerful all in one integrated design with solar panel, battery, controller, and motion sensor make this system easy to install and very reliable.
Providing light up to 3 days on a 8-hour charge!

For Retrofit Projects

Our innovative hybrid Solar technology allows you to install lights that are primarily Solar powered but provide peace of mind with secondary electrical grid supply - a first for the US Solar lighting industry!

For New Projects

If you are looking for 100% Solar, without a need for back-up power, now there is an economical and easy way to bring light to areas without access to the electric grid.

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

Applications

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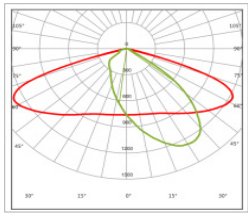- Courtyard
- Parking lot
- Walk path
- Park

New Features

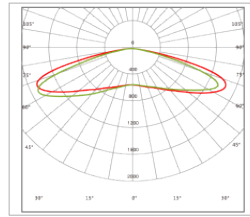## Photometry

A10801
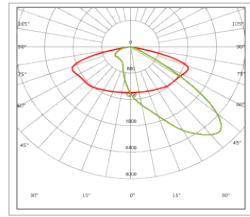
A10803

A10805
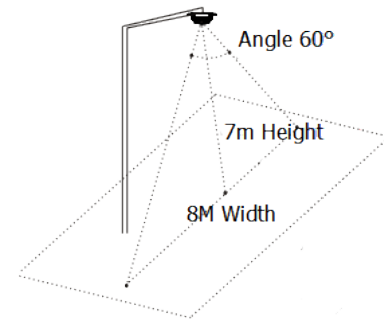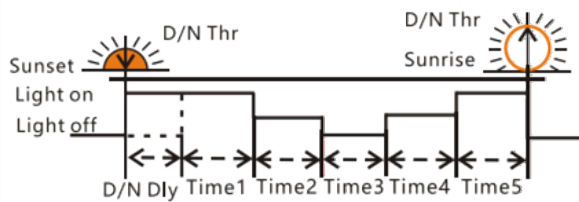
Mounting Options

Post Top Mount

Intelligent Control Mode

5 Stage Night Mode

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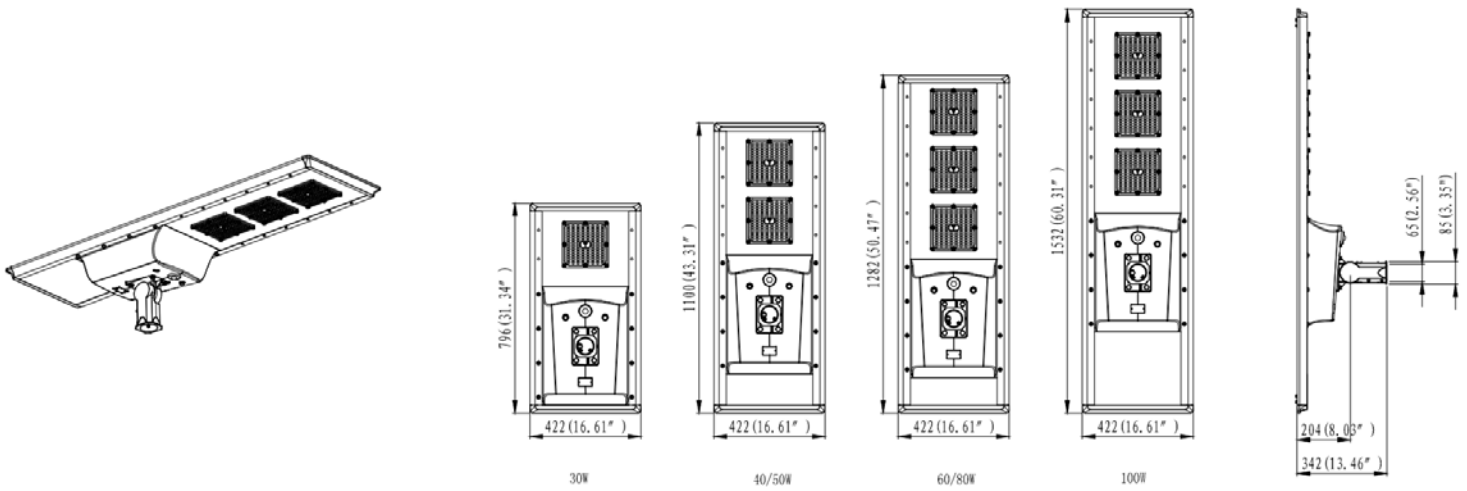*You can set the fixtures with 4 stages timmer dimming yourself by the remote control.

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

796 (31.34″)   1100 (43.31″)   1282 (50.47″)   1532 (60.31″)

422 (16.61″)   422 (16.61″)   422 (16.61″)   422 (16.61″)

30W   40/50W   60/80W   100W

65 (2.56″)   85 (3.35″)

204 (8.03″)

342 (13.46″)

Accessories

Remote control

remote controller for solar street light.