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 |
| Battery | LiFePO4 battery | | | | | |
| Battery Capacity | 230.4WH | 307.2WH | 384WH | 460.8WH | 614.4WH | 768WH |
| Solar Panels | Mono-crystalline solar panel | | | | | |
| Solar Panel Wattage | 45W | 63W | | 80W | | 90W |
| Charging Time | ＞9 hours | | | | | |
| Operating Time | Normal mode with 100% brightness>8hours, Intelligent mode 3-4 days | | | | | |
| Solar Charge Controller | MPPT | | | | | |
| Working Mode | Refer Intelligent control | | | | | |
| Control | Timed dimming/PIR sensor | | | | | |

## Optic Information

| LED Type | LED 2835 | | | | | |
|---|---|---|---|---|---|---|
| Lumious 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 | | | | | |

## 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 |

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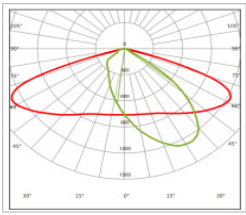- Easy maintainance with removable battery.
- ±80° adjustable mounting angle

## Applications

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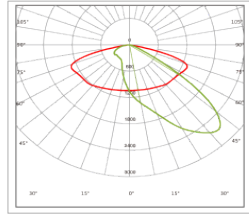- Parking lot
- Walk path
- Park

## New Features

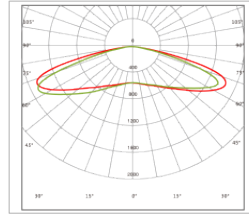\* Please consult us for details.

## Photometry
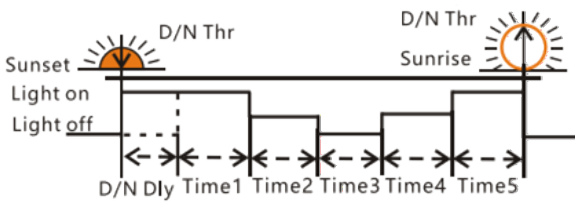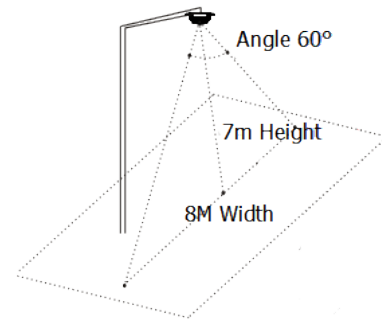
A10801

A10803

A10805

## Mounting Options

Post Top Mount

## Intelligent Control Mode
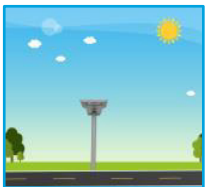
### 5 Stage Night Mode

* 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.
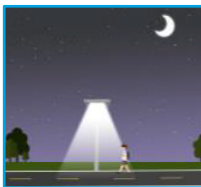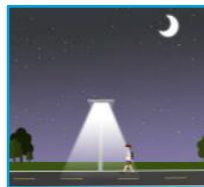
Angle 60°

7m Height

8M Width

PIR Sensor Detect Areas

### Factory Default setting

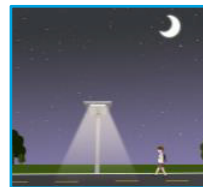With sufficient natural light, the light keeps charging.

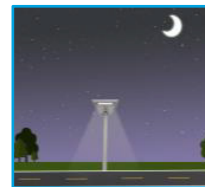The light keeps 100% brightness for 0.5 hour.

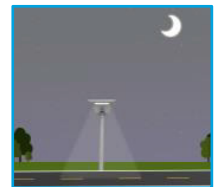The light keeps 50% brightness when presence is detected in the 1st 4 hours.

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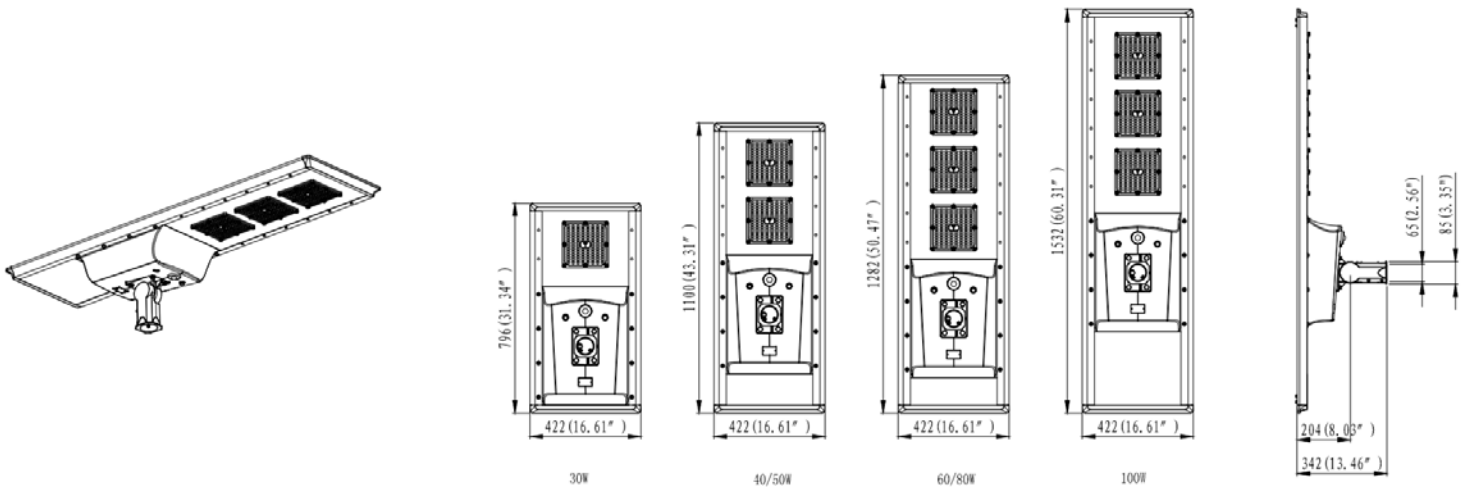
The light keeps 10% brightness for 3 hours until sunrise.

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.