CE RoHS

Electrical Information

Model No	SL10-40	SL10-50	SL10-60
Power Consumption(ffl5%)	40W	50W	60W
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	>6Hrs	>7Hrs	>9Hrs
Operating time	Normal mode with 100% brightness>8hours, 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 (ffl10%)	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

Wagonway's Solar Fin is a game changer for Solar lighting. The all in one design with integrated solar panel, battery, smart controller, and motion sensor make this system easy to install and very reliable.

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, witout back-up power, now there is an economical and easy way to bring light to areas without access to electric grid.

Dimensions and Mounting Options

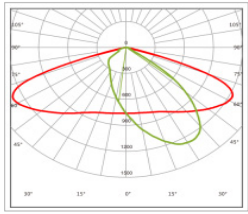| Product Dimension (Side Entry)	31.7x11.9x5.8"		
Luminaire Net Weight	11.02 LBS	12.56 LBS	13.88 LBS
Export Carton Size	29.52x14.56x7.67"		
Gross Weight	15.87 LBS	17.41 LBS	16.8±0.3kg
Mounting Option	Post top mount		
	Side entry mount		
Material	Aluminum alloy		
	Polycarbonate optical lens		
	Lifepo4 battery		
	Mono-crystalline solar panel		
Finish	Powder coating		
Fixture Color	Silver		
EPA	4.95ft²/0.46m²		
IP Rating	IP65		
Category of corrosion	C3		

Key Features

- Compact design; lightweight which makes installation simple.
- System efficiency up to 200lm/w with competitive price
- The controller has built in PIR sensor and timer dimming function
- The efficient LiFePo4 battery features extended life with an 8 hour charge can offer 3 days of operation.
- IP65 protection
- Mono-crystalline photovoltaic with a higher conversation efficiency
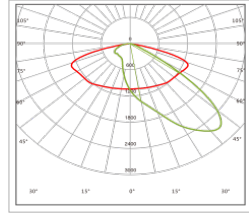- Adjustable angle
- Different mounting options

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

Applications

- Village streets
- Urban road
- Courtyard
- Parking lot
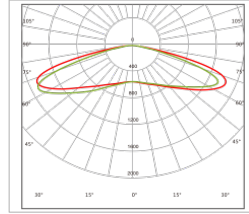
New Features

Please consult us for details.

Photometry

A10801

A10803

A10805

Mounting Options

Side Entry Mount

Post Top Mount

Intelligent Control Mode

5 Stage Night Mode

Sunset
Light on
Light off

D/N Thr

D/N Thr
Sunrise
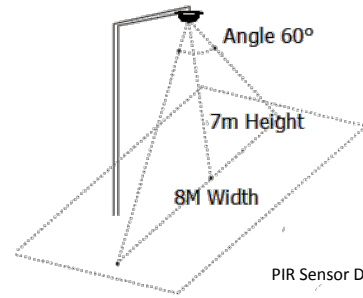
D/N Dly Time1 Time2 Time3 Time4 Time5
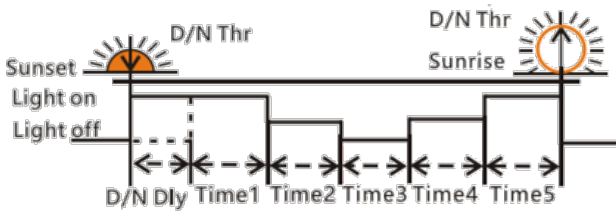
*You can note the Sensor function is only available at Time 3 and Time 4
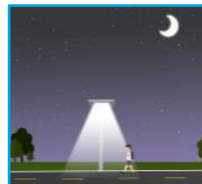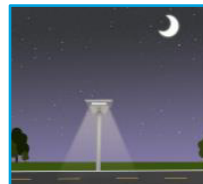*Please note the fixtures with 5 stages timer dimming yourself by the remote controller.

Angle 60°

7m Height

8M Width

PIR Sensor Detect Areas

Factory Default setting

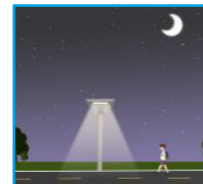With sufficient natural light, the light keeps charging.
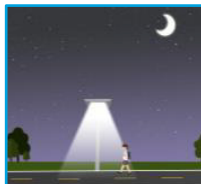
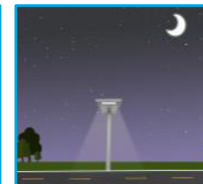The light keeps 100% brightness for 0.5 hour.

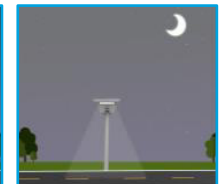The light keeps 50% brightness when presence is detected in the 1st 4 hours.

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

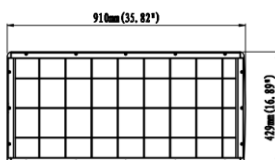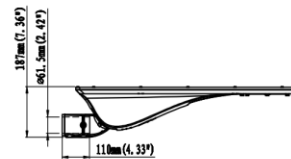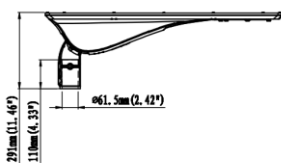The light keeps 20% brightness when presence is detected in the 2nd 4 hours.

The light keeps 10% brightness when no presence is detected after 30S hold time in the 2nd 4 hours.
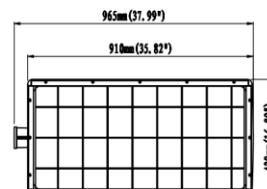
The light keeps 10% brightness for 3 hours until sunrise.

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

ø61.5mm (2.42")

291mm (11.46")

110mm (4.33")

187mm (7.36")

ø61.5mm (2.42")

110mm (4.33")

910mm (35.82")

429mm (16.89")

Post Top Mount

965mm (37.99")

910mm (35.82")

429mm (16.89")

Side Entry Mount

Accessories

Optic lens

High transmittance PC materials,
UV test approval.

Pole mount spigot

ADC12 materials, ± 15° tilt adjustable, for dia.
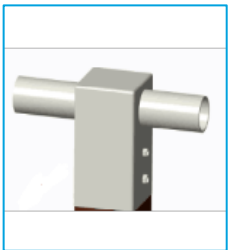60/ 76mm pole.

Remote Controller

Remote Controller for Solar Street light.

Wall mount adaptor

Q235+SPCC materials with outdoor powder coating.

T shape pole mount adaptor

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

T shape pole mount adaptor
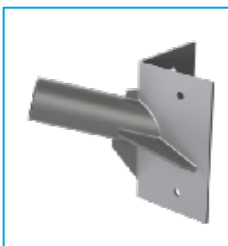
Q235 materials, for dia.60/ 76mm pole.

L shape pole mount adaptor

Q235 materials, for 100x100mm square pole.

L shape pole mount adaptor

SPCC materials, for dia.90mm pole.

Corner mount adaptor

SPCC materials with outdoor powder coating.

L shape pole mount adaptor

SPCC materials, for dia.60mm pole