CE   RoHS

Electrical Information

Model No	SL10-40H	SL10-50H	SL10-60H
Power Consumption(ffl5%)	40W	50W	60W
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	307.2Wh-24Ah	384Wh-30Ah	460.8Wh-36Ah
Solar Panels	Mono-crystalline solar panel		
Solar Panel Wattage	60W		
Charging Time	>6hours	>7hours	>9hours
Operating Time	Normal mode with 100% brightness>8hours, Intelligent mode 3-4 days		
Solar Charge Controller	PWM		
Working Mode	Refer to 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)	37.99x16.88x7.36"		
Luminaire Net Weight	31.96 LBS	33.06 LBS	34.17 LBS
Export Carton Size	40.15x20.47x10.03"		
Gross Weight	35.93 LBS	37.03 LBS	38.14 LBS
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	Silvery		
EPA	4.95ft²/0.46m²		
IP Rating	IP65		
Category of corrosion	C3 (ISO 9223:2012)		

Key Features

• Nice design with ligher weight, easier installation
• System efficiency up to 200lm/w with value pricing.
• The controller has built in PIR sensor and timer dimming function
• The LiFePO4 battery features long life with 3 days operation on 8 hours of charge on or off the grid.
• IP65 protection
• Mono-crystalline photo-voltaic with a higher conversation efficiency
• Adjustable angle
• Different mounting options
• Support hybrid function

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
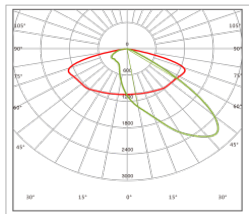• Courtyard
• Parking lot

New Features

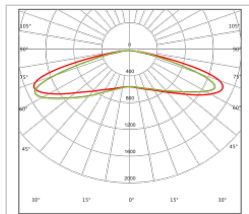*Please consult us for details.*

Photometry
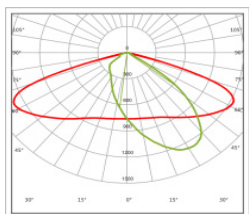
A10801

A10803

A10805
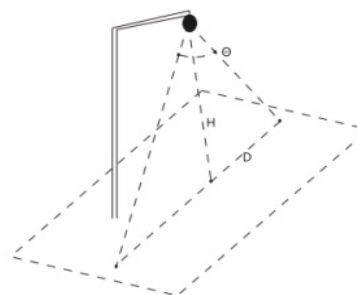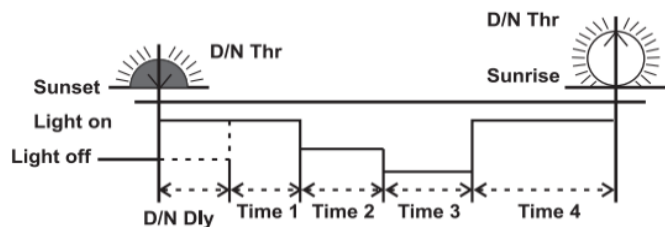
Mounting Options

Side Entry Mount

Post Top Mount

Intelligent Control Mode

Main Function

This is hybrid solar energy street light. When the battery storage is insufficient(the battery voltage is lower than 9.6V), t he luminaire will automatically switch to the mains power supply.When the solar power supply restores the voltage, the system wi ll automatically cut off the mains power supply and restore the solar power supply.
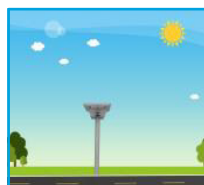
4 Stages Night Mode

* 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.

Infrared sensor
θ(Angle): 60°
H(Height): 6m
D(Width): 7m

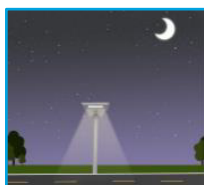PIR Sensor Detect Areas

Factory Default setting

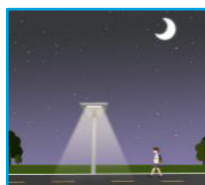With sufficient natural light, the light keeps charging.
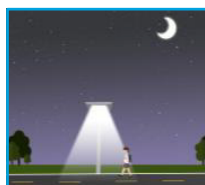
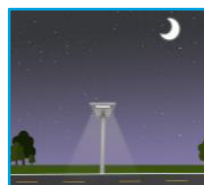The light keeps 100% brightness for 0.5 hour.
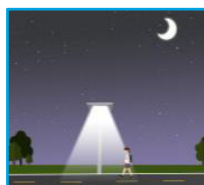
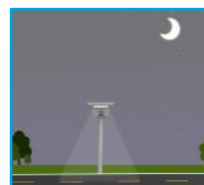The light keeps 50% brightness when presence is detected in the 1st 4 hours.

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

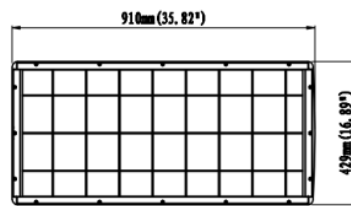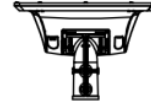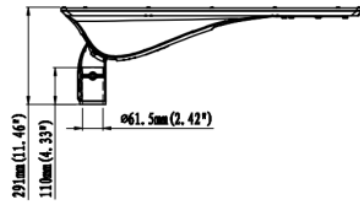The light keeps 20% brightness when presence is detected in the 2nd 4 hours.

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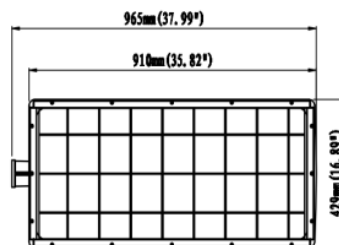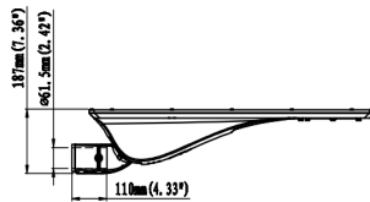
The light keeps 10% brightness for 3 hours until sunrise.

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

291mm (11. 46")
110mm (4. 33")
Ø61. 5mm (2. 42")

910mm (35. 82")
429mm (16. 89")

Post Top Mount

187mm (7. 36")
Ø61. 5mm (2. 42")
110mm (4. 33")

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.
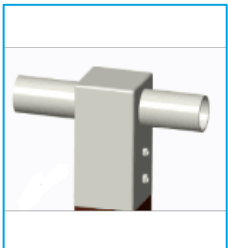
Remote Controller

Remote Controller for Solar Street light.

Wall mount adaptor
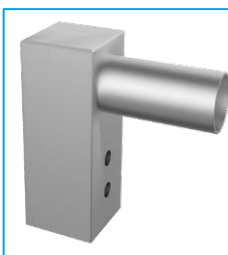
Q235+SPCC materials with outdoor powder coating.

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