

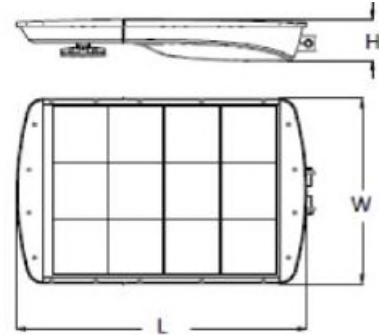
SLS

Solar LED Streetlight

SLS Series LED Solar Street Light is designed with an all-in-one streamlined design. High brightness LEDs combined with the long lifespan of the lithium iron phosphate battery make this a great lighting solution for applications where electric power is not available.

Features:

- Die-cast housing with UV resistant powder coat finish
- Integrated monocrystalline silicon solar panel
- Adjustable slip fitter accommodates up to 50° tilt to compensate for latitude to improve solar efficiency
- Adjustable LED module for proper optical performance after tilting the solar panel.
- High performance LUMILEDS 5050 LED chips achieving 200Lm/W, CRI > 70
- Motion sense, fixed output, or time-based control selectable with remote control programmer. (see other accessories for remote control ordering information)
- Automatically turns on and off without the need for additional photocontrol.
- LiFePO4 battery with 2000 cycle design life (~5.5 years)
- High efficiency MPPT charge controller
- Operating Temperature -20°C to +40°C **(the battery will not charge when below 0°C, but can continue to operate the LEDs)**
- High transmittance, UV-inhibited, flame retardant polycarbonate lens
- 6kA lightning surge protection
- IP65 rated
- Standard with slip fitter mounting



Applications:

- Parking areas
- Roadway
- Recreation Areas
- Walkways

Warranty & Listings:

- Five (5) year warranty
- CE listed

NOTICE: One remote is required per installation site.

Ordering Information				
Model	Wattage	CCT	Mounting ₁	Housing Color
SLS: Solar LED Streetlight	008: 8W	4: 4000K	SF: Slip fitter	G: Grey
	020: 20W			
	030: 30W			

1 - See additional mounting accessories



Model Details											
Model #	Solar Panel Wattage	Battery (WHR)	Charging Time (Hr)	Full Power Run Time (Hr)	Max. Run Time ² (Hr)	Lumens 4000K	Optics	Dimension L x W x H (in)	Weight (lbs.)	Min. EPA ³ (in ²)	Max. EPA ⁴ (in ²)
SLS0084	17	115	7	12	50	1600	Type III	20.5x11.4x3.1	11.7	0.42	1.24
SLS0204	36	245	7	12	50	4000	Type III	25.98x16.54x3.7	21.4	0.77	2.29
SLS0304	52	385	7	12	50	6000	Type III	42.13x19.29x6.5	29.8	1.05	3.12

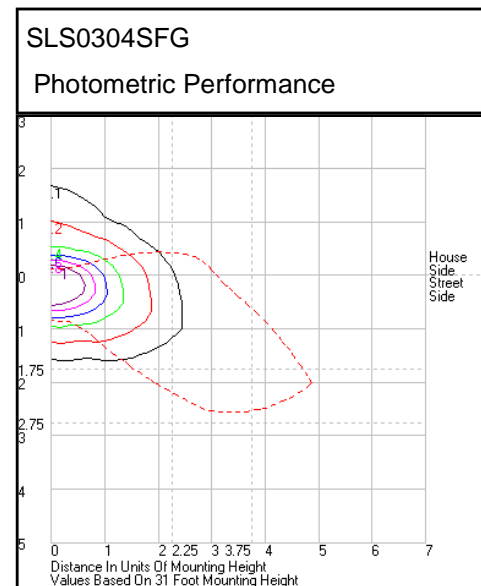
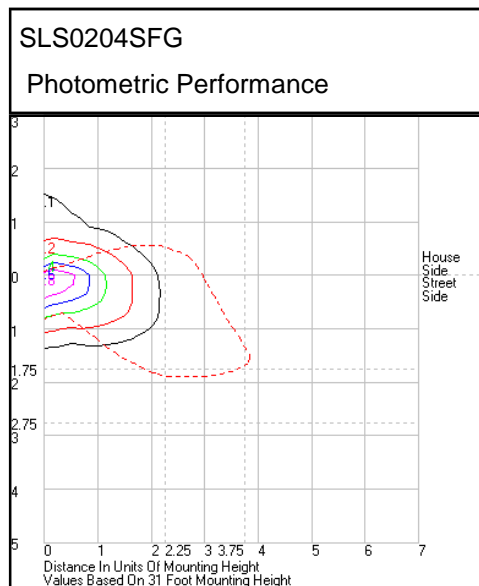
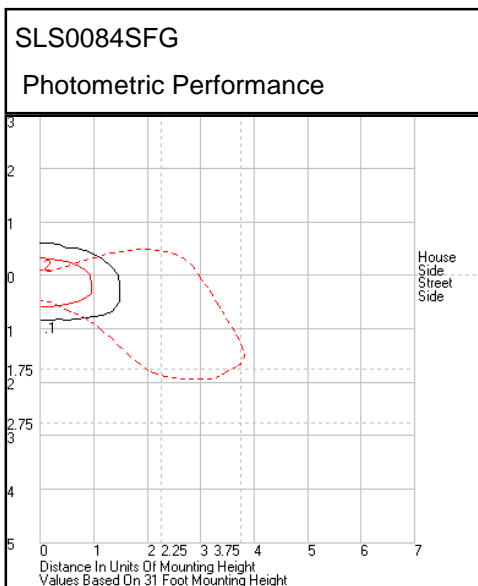
2 - Half light output at 40% battery state of charge

3 - 15° solar panel tilt

4 - 50° solar panel tilt

Mounting Accessories				
	Slip Fitter	Trunion		
SLS008	<p>Vertical (limits tilt angle) or horizontal tenon 1-1/4NPS to 2NPS (1.66" to 2.37").</p> <p>Minimum 5" long tenon required.</p>	<p>Wall mount or square pole wider than 3.94"</p> <p>Order SLS-TR</p>	<p>Round pole or Square pole 1.97" to 3.54".</p> <p>Order SLS-TR and SLS-SH</p>	<p>Round pole 1.97" to 4.33".</p> <p>Order SLS-TR and SLS-RH</p>
SLS020 and SLS030	<p>Included with SLS luminaire</p>	<p>Wall mount or square pole wider than 4.72"</p> <p>Order SLS-TRL</p>	<p>Round pole 2.36" to 3.94" or Square pole 1.97" to 3.94".</p> <p>Order SLS-TRL and SLS-SHL</p>	<p>Round pole 1.97" to 4.72".</p> <p>Order SLS-TRL and SLS-RHL</p>

Other Accessories			
SLS-RC	SLS008-BATT	SLS020-BATT	SLS030-BATT
Remote control programmer	Replacement battery kit for 8W	Replacement battery kit for 20W	Replacement battery kit for 30W
One needed per site. Works with multiple luminaires	Replacement door with driver/charger, motion sensor, and battery with modular connections	Replacement door with driver/charger, motion sensor, and battery with modular connections	Replacement door with driver/charger, motion sensor, and battery with modular connections



Remote Control Programmer Operation Settings

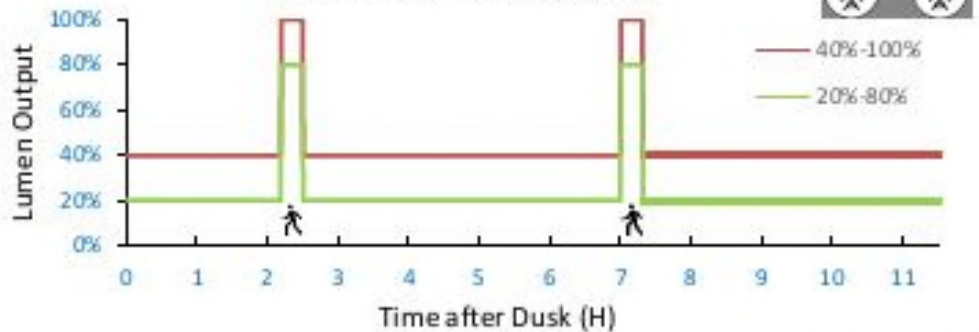
NOTE:

The Luminaire will flash twice when mode selection is received.

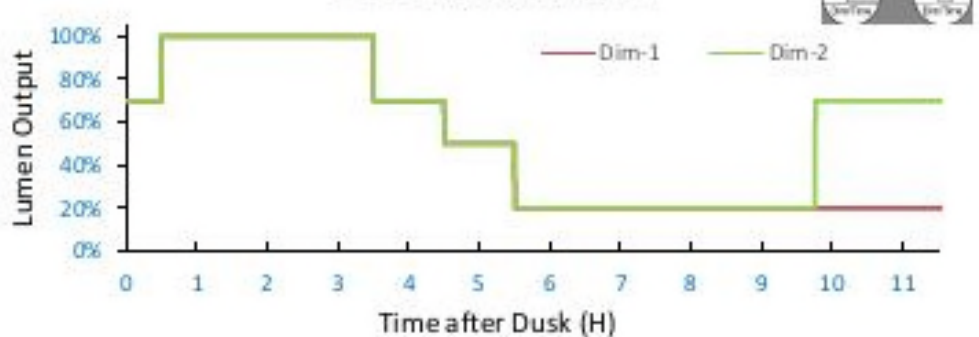
The luminaire will reduce to half power when battery is less than 40% charged



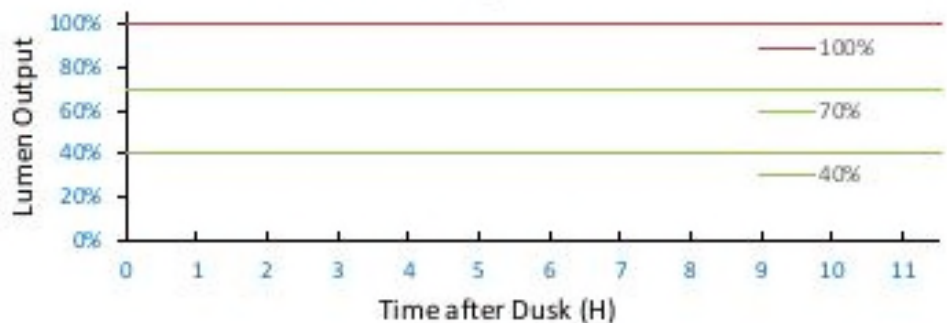
Motion Sensing Modes



Time Based Modes



Constant Output Modes



Set Time Modes



Useful Resources:

1. To calculate optimum solar panel tilt when the latitude of the project site is known: www.solarpaneltilt.com
2. Solar angle calculator based on nearest town or city of the project site (US and Canada): www.solarelectricityhandbook.com/solar-angle-calculator.html