

HIGHLIGHT HL-SL-S

Specifications



Why us?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lighting

We design and install solar-powered lighting systems tailored for all kinds of locations such as streets, parks, pathways, homes, etc.

Global Reach

Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

These solutions enhance safety, promote sustainability and provide significant energy and cost savings.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.



The SolarPath HIGHLIGHT HL-SL-S™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. Whether the goal is large area or mid-size to major roadway clarity, our intense and bright full-spectrum lighting the HIGHLIGHT HL-SL-S™ brings solar lighting performance and sustainability to the next level.

Technical specification

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 700W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	Extreme temperature Deep Cycle AGM / Gel-Cell	Up to 250AH
	Battery Enclosure	Mount at Top/Middle Or In-Ground Pole (Depends on battery Weight)
LED Light Parameters	Light Source Power	Up to 100W (Up to 19,500 lm)
	CCT (Correlated color temperature)	3,000K-5,700K/ Amber
	Distribution type	Type I, II, III, IV,V
Operation Time	Up to 72 hours (per charge cycle, programming dependent)	
Standard Operation	•Automatic day/night detection •Battery deep discharge and overcharge protection •False activation prevention logic •Computerized self-learning seasons change detection •Auto-adjusting battery charge algorithm according to ambient temperature sensing	
IP Rating	IP67	
Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.	
Product Size	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage
Net Weight	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage

FIXTURE FEATURES

- Low installation and maintenance costs.
- IP67 Rating.
- High performance 143lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Battery enclosure
- Aluminum housing for efficient heat dissipation
- IDA Approved
- LM 79/80



SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Sports Lighting

ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT HL-SL-S-A-50W-SLA-25W-1-30K-A-50AH-PM-GR-1-00

Model	Solar Panel Qty	Solar Panel	LED Head	LED Power	Distribution type	LED Color Temp	Battery Quantity	Battery Options	Battery enclosure	Body Color	Arm	Options
HL-SL-S	A- 1 Panel B- 2 Panel C- 3 Panel D- 4 Panel	50W 65W 85W 100W 125W 135W 150W 160W 180W 200W 250W 300W 350W	SLA SLB SLG SRS SRL SKA FLA FLW FLT ARS	25W 30W 40W 60W 80W 90W 120W 150W	1-Type I 2-Type II 3-Type III 4-Type IV 5-Type V	30K 40K 50K 57K Amber	A- 1 B- 2 C- 3 D- 4	50AH 75AH 85AH 100AH 125AH 150AH 180AH 200AH 250AH	PM-Mounted to pole GM-Placed on ground beside pole	GR- Gray BK- Black BZ- Bronze WH- White Custom	1-single 2-double	00- No motion sensor 01- With motion sensor SF- Solar panel slip fitter SPM- Solar panel side pole mounted HY- Hybrid (AC)



*Up on request

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