

HIGHLIGHT HL-SL-S



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.

Key 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

Uses and Applications Guide

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

Technical Specifications

Lighting and Operation	
Lighting Technology	LED Street Light Technology
Brightness	Up to 19,500 Lumen
Color temperature	5,500°K (other may be available upon request)
Available distribution types	I, II, III, IV, V
Standard operation features	<ul style="list-style-type: none"> • 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
Operation time	up to 72 hours (per charge cycle, programming dependent)
Battery Enclosure	Mount at Top/Middle Or In-Ground Pole (Depends on battery Weight)
Energy Collection and Storage	
Solar panel type	Mono / Poly Crystalline Silicon, Up to 700W (Location Specific)
Battery type	Extreme temperature Deep Cycle AGM / Gel-Cell
Voltage / Current	12VDC/24VDC
Materials	
Body	Galvanized Steel/Stainless steel and Aluminum
Dimensions (main body)	Depends on configuration
Unit weight	Depends on configuration
EPA	Depends on configuration
IP Rating	IP67
Optional Features	
Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.



Ordering Guide

EXAMPLE: HL-SL-S-A-50W-SLA-25-1-30K-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	50W	SLA	25W	1-Type I	30K	A- 1	50AH	PM-Mounted to pole GM-Placed on ground beside pole	GR- Gray BK- Black BZ- Bronze WH- White Custom	1-single 2-double	00- not required 01- motion sensor
	B- 2 Panel	65W	SLB	30W	2-Type II	40K	B- 2	75AH				
	C- 3 Panel	85W	SLG	40W	3-Type III	50K	C- 3	85AH				
	D- 4 Panel	100W	SRS	60W	4-Type IV	57K	D- 4	100AH				
		125W	SRL	80W	5-Type V	Amber		125AH				
		135W	SKA	90W				150AH				
		150W	FLA	120W				180AH				
		160W	FLW	150W				200AH				
		180W	FLT					250AH				
		200W	ARS									
		250W										
		300W										
		350W										



*Up on request.

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