

# HIGHLIGHT-SP-ELDL

## 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-SP-ELDL™ 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. This product has both a solar engine and a street light. The HIGHLIGHT SP-ELDL's battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

## Technical specification

<b>Solar Module Parameters</b>	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 300W
<b>Solar Charge Controller</b>	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
<b>Battery</b>	Extreme temperature Deep Cycle AGM / Gel-Cell	Up to 48AH(25.6V)
<b>LED Light Parameters</b>	Light Source Power	Up to 100W (Up to 14,837 lm)
	CCT (Correlated color temperature)	3,000K-5,700K
	Distribution type	Type II,III,IV,V
<b>Operation Time</b>	Up to 72 hours (per charge cycle, programming dependent)	
<b>Operating Temperature</b>	-40°F to + 158°F (-40°C to +70°C )	
<b>Standard Operation</b>	<ul style="list-style-type: none"> <li>•Automatic day/night detection</li> <li>•Battery deep discharge and overcharge protection</li> <li>•False activation prevention logic</li> <li>•Computerized self-learning seasons change detection</li> <li>•Auto-adjusting battery charge algorithm according to ambient temperature sensing</li> </ul>	
<b>IP Rating</b>	IP67	
<b>Integrated Motion Option</b>	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.	
<b>Product Size</b>	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage
<b>Net Weight</b>	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage

## SOLAR STREET LIGHT

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### USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Sports Lighting

### Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High LED performance 1W/140lm.
- Light dimming engine.
- Led's operating life time over 150,000 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

## ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT-SP-ELDL-A-50W-A-20W-2-30K-A-50AH-1-GR-00

Model	Solar Panel Quantity	Solar Panel	LED Head Type	LED Power	Distribution type	LED Color Temp	Battery qty.	Battery Options	Arm	Body Color	Options
HIGHLIGHT SP-ELDL	A- 1 Panel B- 2 Panels	160W 250W 300W	A –  B – 	20W 30W 50W 60W 80W 100W	2- Type II 3- Type III 4 -Type IV 5- Type V	30K 40K 50K 57K	A- 1 B- 2	24AH 36AH 42AH	1 - Single 2 - Double	GR – Grey BLK- Black BZ- Bronze WH-White Custom	00 - not required 01 - motion sensor 02 - AC- Hybrid

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## Contact us



+1.201.490.4499

Toll free: 1.888.333.SOLAR (7652)



[contact@solarpathusa.com](mailto:contact@solarpathusa.com)



[www.solarpathusa.com](http://www.solarpathusa.com)