



The SolarPath HighLight HL-FL-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. This product has both a solar engine and a flood light. The HL-FL-S's solar engine is on the bottom which allows this product to be used for warehouses, roads, roofs, and military use

### Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High performance Cree 1W LEDs with 130lm/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
- Approved IDA
- LM 79/80
- UL Certified

### 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 Flood Light Technology
Brightness	Up to 19500 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"> <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>
Operation time	up to 72 hours (per charge cycle, programming dependent)
Battery Enclosure	Mount on the ground or on a roof

#### Energy Collection and Storage

Solar panel type	Mono/ Poly Crystalline Silicon
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.
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### Ordering Guide

EXAMPLE: HL-FL-S-A-50W-FLA-U-30W-1-30K-A-50AH-GR-1-00

Model	Solar Panel Quantity	Solar Panel	LED Head	LED Power	Distribution type	LED Color Temp	Battery Quantity	Battery Options	Body Color	Options
HL-FL-S	A- 1 Panel	50W	FLA- U	30W	1- Type I	30K	A- 1	50AH	GR- Gray	00 - not required
	B- 2 Panel	65W	FLB- U	40W	2- Type II	40K	B- 2	75AH	BK- Black	01 - motion sensor
	C- 3 Panel	85W	FLA- C	60W	3- Type III	50K	C- 3	85AH	BZ- Bronze	
	D- 4 Panel	100W	FLB- C	80W	4- Type IV	57K	D- 4	100AH	WH- White	
	E- 5 Panel	125W	FLA- D	90W	5- Type V		E- 5	150AH	Custom	
	F- 6 Panel	135W	FLB- D	120W			F- 6	200AH		
	G- 7 Panel	150W		150W			G- 7			
	H- 8 Panel	180W					H- 8			

