



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

Uses and Applications Guide

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

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 FLB - U	30W	1- Type I	30K	A- 1	50AH	GR- Gray	00 - not required
	B- 2 Panels	65W	FLA - C FLB - C	40W	2- Type II	40K	B- 2	75AH	BK- Black	01 - motion sensor
	C- 3 Panels	85W	FLA - D FLB - D	60W	3- Type III	50K	C- 3	85AH	BZ- Bronze	
	D- 4 Panels	100W		80W	4- Type IV	57K	D- 4	100AH	WH- White	
	E- 5 Panels	125W		90W	5- Type V		E- 5	150AH	Custom	
	F- 6 Panels	135W		120W			F- 6	200AH		
	G- 7 Panels	150W		150W			G-7			
	H- 8 Panels	180W 200W 250W 300W 350W					H- 8			

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 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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*Up on request.

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