

HIGHLIGHT HL-FL-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-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.

Technical specification

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 350W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO4	Up to 200AH
LED Light Parameters	Light Source Power	Up to 150W (Up to 19,500 lm)
	CCT (Correlated color temperature)	3,000K-5,700K
	Distribution type	Type I, II, III, IV, V
Operation Time	Up to 72 hours (per charge cycle, programming dependent)	
Standard Operation	<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 	
IP Rating	IP67	
Integrated Motion Option	Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions.	
Body Material	Galvanized Steel/Stainless steel and Aluminum	
Solar panel enclosure	Mount on the ground or on a roof	

SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE

Warehouses

Tents

Monument

Signs

Gardens

Key features:

- Low installation and maintenance costs.
- IP67 Rating.
- High LED performance 1W/130lm.
- 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
- LM 79/80

ORDERING GUIDE

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

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