

HIGHLIGHT HL-ML-ASL 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.

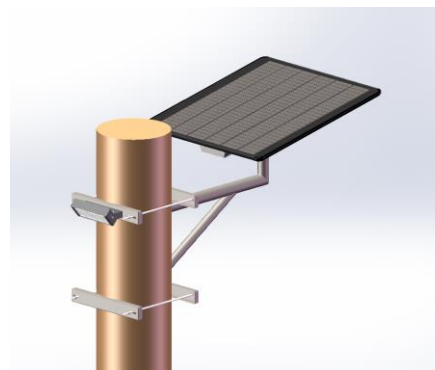
Warranty

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.

All in One Option



Separate LED Option



The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.

Technical specification

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 250W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO4	Up to 48AH
	Battery enclosure	Integrated in lighting fixture
LED Light Parameters	Light Source Power	200W (Up to 38,000 lm)
	CCT (Correlated color temperature)	2,500K-6,500K/Amber
	CRI (Color rendering index)	>70
Working Mode	* Operation profile above are active depending to the solar radiation in the installation location, please consult with one of Solarpath representative.	
Option	110-120VAC	
IP Rating	IP65	
Material	Aluminum Die-casting	

USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Sports Lighting

Key features:

- Low installation and maintenance costs.
- IP65 Rating.
- High performance LEDs with 190lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Adjustable mounting bracket.
- Adjustable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

Installation Options

All in One

A solar all-in-one LED light is a compact, self-contained outdoor lighting system that integrates all its core components into a single, durable fixture. This design simplifies installation, reduces maintenance, and provides an energy-efficient, off-grid lighting solution for various applications



±30°



±90°



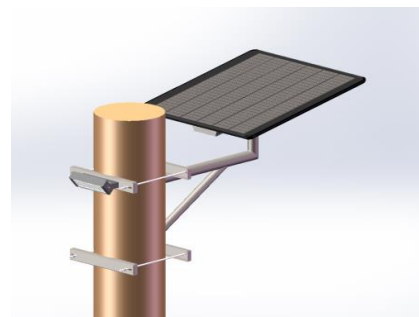
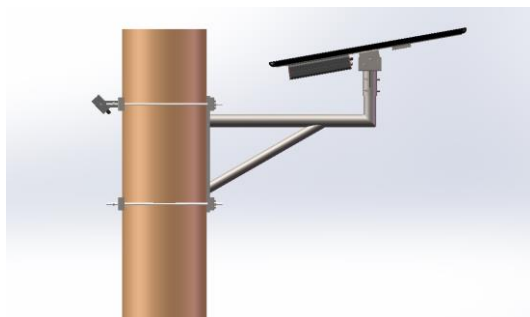
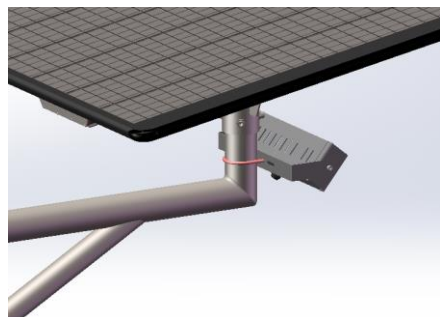
Slip Fitter



U-Bracket

All in Two- Separate LED

All in two separate solar LED light- refers to a semi-integrated solar lighting system where the LED lamp head (which contains the battery, charge controller, and sensors) is a single integrated unit, while the solar panel is a separate component connected by a wire. This design is a compromise between fully integrated (all-in-one) and fully split systems.



ORDERING GUIDE

Ordering Guide: HIGHLIGHT HL-ML-ASL-45W-20W-1-25K -12AH-BLK-SP-00

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Mounting options	Options
HIGHLIGHT	55W	20W	1 – Type I	25K	12AH	BLK- Black	SP- Slip Fitter	00- No motion sensor
HL-ML-ASL	75W	30W	2- Type II	30K	18AH	GR- Grey	UB- U-Bracket SEP – Separate LED	01- Motion sensor HY- Hybrid
	105W	40W	3- Type III	40K	24AH			
	160W	50W	4 – Type IV	50K	30AH			
	250W	60W	5 – Type V	65K	36AH			
		80W		Amber	42AH			
		90W			48AH			
		100W						
		120W						
		150W						
		180W						
		200W						



*Up on request

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