

# 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.



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

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



  
 $\pm 30^\circ$



  
 $\pm 90^\circ$



**Slip Fitter**



**U-Bracket**

## 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 HL-ML-ASL	55W	20W	1 – Type I	25K	12AH	<b>BLK-</b> Black	<b>SP- Slip Fitter</b> <b>UB- U-Bracket</b>	<b>00-</b> No motion sensor
	75W	30W	2- Type II	30K	18AH			<b>01-</b> Motion sensor
	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						

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