

# HIGHLIGHT HL-ML-FL-U

## 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 Lightning

We designs and install solar-powered lightning systems tailored for all kind 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 providing significant energy and cost saving.

## 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 ML-FL-U™ 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 ML-FL-U's battery and control is attached to solar panel which allows this product to be used for field, sign, warehouses, roofs, ground and on walls.

## Technical specification

<b>Solar Module</b>	Type	High-efficiency Monocrystalline Silicon
<b>Parameters</b>	Power	Up to 175W
<b>Solar Charge Controller</b>	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
<b>Battery</b>	LifePO4	Up to 135AH
	Battery enclosure	Integrated in lighting fixture
	Light Source Power	30W (Up to 6,000 lm)
<b>LED Light Parameters</b>	CCT (Correlated color temperature)	3,000K-6,000K
	CRI (Color rendering index)	$\geq 82$
<b>Working Mode</b>	1hr-100%; 2hrs-80%; 3-4hrs-60%; 5hr-25% to Dawn. Programmable, depend on solar radiation.	
<b>IP Rating</b>	IP66	
<b>Material</b>	Aluminum Die-casting + Stainless steel	

## USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Sports Lighting

## Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- 4 mounting brackets options.
- IP66 Rating.
- High performance 1W LEDs with 200lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- PTC Auto-heating system.
- Adjustable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA

## ORDERING GUIDE

**Ordering Guide:** HIGHLIGHT ML-FL-U-A-25W-A-10W-2-30K -10AH-BLK-00-PTC-WM-SH

Model	Solar Panel Qty.	Solar Panel	LED Qty.	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HIGHLIGHT-ML-FL-U	A - 1pc	25W	A- 1pc	15W	3- Type III	30K	18AH	BLK- Black	PTC-Auto-heating system
	B - 2pcs	45W	B- 2pcs	20W		40K	22AH		WM- Wall mounting
		60W	C- 3pcs	25W		50K	25AH		FGSM- Fixture ground spike mounting
		75W	D- 4pcs	30W		60K	30AH		FGUM- Fixture ground U mounting
		100W	E - 5pcs				45AH		SL- Separated LED
		120W	F - 6pcs				60AH		SPM- Solar panel pole mounted
		175W					80AH		SH- Shield
							135AH		

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## Contact us



+1.201.490.4499

Toll free: 1.888.333.SOLAR (7652)



[contact@solarpathusa.com](mailto:contact@solarpathusa.com)



[www.solarpathusa.com](http://www.solarpathusa.com)