

# 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

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

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## USES AND APPLICATIONS GUIDE

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Streets Lighting

Parking Lots

Residential Roads

Public Parks

Sports Lighting

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## 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	<b>BLK-</b> Black	<b>PTC</b> -Auto-heating system
	B – 2pcs	45W	B- 2pcs	20W		40K	22AH		<b>WM</b> - Wall mounting
		60W	C- 3pcs	25W		50K	25AH		<b>FGSM</b> - Fixture ground spike mounting
		75W	D- 4pcs	30W		60K	30AH		<b>FGUM</b> - Fixture ground U mounting
		100W	E – 5pcs				45AH		<b>SL</b> - Separated LED
		120W	F – 6pcs				60AH		<b>SPM</b> - Solar panel pole mounted
		175W					80AH 135AH		<b>SH</b> - Shield

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