

# HIGHLIGHT HL-ML-FL 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 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 45W                               |
| <b>Solar Charge Controller</b> | MPPT (Maximum Power Point Tracking), infrared solar charging controller                      |                                         |
| <b>Battery</b>                 | LifePO4                                                                                      | Up to 32AH                              |
|                                | Battery enclosure                                                                            | Integrated in lighting fixture          |
| <b>LED Light Parameters</b>    | Light Source Power                                                                           | 30W (Up to 6,000 lm)                    |
|                                | CCT (Correlated color temperature)                                                           | 3,000K-6,000K                           |
|                                | CRI (Color rendering index)                                                                  | ≥82                                     |
| <b>Working Mode</b>            | 1hr-100%; 2hrs-80%; 3-4hrs-60%; 5hr-25% to Dawn.<br>Programmable, depend on solar radiation. |                                         |
| <b>IP Rating</b>               | IP66                                                                                         |                                         |
| <b>Material</b>                | 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-25W-10W-2-30K -10AH-BLK-00-PTC-R

| Model    | Solar Panel | LED Power | Distribution type | LED Color Temp | Battery Options | Body Color        | Options                                                                                                           |
|----------|-------------|-----------|-------------------|----------------|-----------------|-------------------|-------------------------------------------------------------------------------------------------------------------|
| HL-ML-FL | 25W         | 10W       | 3- Type III       | 30K            | 10AH            | <b>BLK-</b> Black | <b>00-</b> No motion sensor                                                                                       |
|          | 45W         | 20W       |                   | 40K            | 20AH            |                   | <b>01-</b> Motion sensor                                                                                          |
|          |             | 30W       |                   | 60K            | 30AH            |                   | <b>PTC-</b> Warmer<br><b>R-</b> Round pole mounting<br><b>S-</b> Square pole mounting<br><b>WM-</b> Wall mounting |



\*Up on request

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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)