

HIGHLIGHT ML-FL-RW

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-RW™ 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-RW'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 Bifacial Monocrystalline Silicon |
| | Power | Up to 320W (160W*2) |
| Solar Charge Controller | MPPT (Maximum Power Point Tracking), infrared solar charging controller | |
| Battery | LifePO4 | Up to 270AH |
| LED Light Parameters | Light Source Power | Up to 100W (Up to 20,000 lm) |
| | CCT (Correlated color temperature) | 3,000K-6,000K |
| | Distribution type | Type III |
| Operation Profile | Programmable, depend on solar radiation | |
| IP Rating | IP67 | |
| Integrated Motion Option | Allows for flexible energy saving programming for location with low insolation levels and extreme weather conditions. | |
| Body Material | Die-cast Aluminum + Stainless steel | |

SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE

Warehouses

Tents

Monument

Signs



Gardens

Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- Adjustable bracket.
- IP65 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.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT ML-FL-RW-A-A-B-160W-30W-3-30K -36AH-BLK-PTC-01

| Model | Solar Panel Qty. | LED's Qty. | LED Style | Solar Panel | LED Power | Distribution Type | LED Color Temp. | Battery Options | Body Color | Options |
|--------------------|---------------------|---------------------------------|---|-------------|----------------------------------|-------------------|-------------------|---|-------------|---|
| HIGHLIGHT ML-FL-RW | A – 1pc B – 2pcs | A – 1pc B – 2pcs C – 3pcs | A –  | 160W | 30W | 3 – Type III | 30K | 36AH | BLK - Black | PTC – Auto heating system 00 – No motion sensor 01 – With motion sensor |
| | | | B –  | | 40W 50W 75W 90W 100W | | 40K 50K 60K | 48AH 60AH 96AH 120AH 192AH 270AH | | |

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