

HIGHLIGHT ML-FL-R

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-R™ 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-R'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 360W (120W*3)
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO4	Up to 192AH
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 panel enclosure	Mount on the ground, on a roof, on a wall, on pole	

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-R-A-120W-30W-3-30K -36AH-BLK-PTC-01

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

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