

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.

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



Technical specifications

Solar Module Parameters	Type	Bifacial monocrystalline Silicon
	Power	Up to 360W (120w*3)
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	LifePO4
	Capacity	Up to 192AH
LED Light Parameters	Light Source Power	Up to 100W each
	Lamp Rated Total Luminous Flux	Up to 20,000lm
	Luminous Efficacy	200lm/w
	Input Voltage	DC43V
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥70
Operation profiles	Programmable, depend on solar radiation.	
Lighting Material	Die-casting Aluminum + Stainless steel	

Uses and Applications Guide

Warehouse	●
Tents	●
Boardwalks	●
Monuments	●
Signs	●
Gardens	●



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 00- No Motion sensor 01- With Motion sensor
	B – 2pcs		40W		40K	48AH		
	C – 3pcs		50W		50K	60AH		
			75W		60K	96AH		
			90W			120AH		
			100W			192AH		



*Up on request.