HIGHLIGHT ML-FL-U

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.

Key features:
- Low installation and maintenance costs.
- Replaceable Battery.
- 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/removable LED.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation
- Approved IDA

Uses and Applications Guide

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

Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 160W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	Li-ion
	Capacity	Up to 100AH
LED Light Parameters	Light Source Power	Up to 30W
	Lamp Rated Total Luminous Flux	Up to 6,000lm
	Luminous Efficacy	200lm/w
	CCT (Correlated Color Temperature)	3,000K-6,000K
	Color Rendering Index (CRI)	≥82
Operation profiles	1hr-100%; 2hrs-80%; 3-4hrs-60%; 5hr-25% to Dawn. Programmable, depend on solar radiation.	
Lighting Material	Die-casting Aluminum + Stainless steel	
Product size	light body	Depend On LED power
	solar panel	Depend On Solar Panel wattage
Net weight	light body	Depend On LED power
	solar panel	Depend On Solar Panel Wattage

Ordering Guide: EXAMPLE: HIGHLIGHT ML-FL-U-25W-A-10W-2-30K -10AH-BLK-00-PTC-WM

Model	Solar Panel	LED Qty.	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HIGHLIGHT-ML-FL-U	25W	A- 1pc	15W	3- Type III	30K	18AH	**BLK**- Black	**PTC**-Auto-heating system
	45W	B- 2pcs	20W		40K	22AH		**WM**- Wall mounting
	60W	C- 3pcs	25W		50K	25AH		**GSM**- Ground spike mounting
	75W	D- 4pcs	30W		60K	30AH		**GUM**- Ground U mounting
	100W					45AH		**SL**- Separated LED
	120W					60AH		
	160W					100AH		

*Up on request.