

HIGHLIGHT HL-ML-GL-U

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 Lighting

We design and install solar-powered lighting systems tailored for all kinds 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 provide 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-GL-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-GL-U's battery and control is attached to solar panel which allows this product to be used for gardens.



Technical specification

Solar Module Parameters	Type	High-efficiency Monocrystalline Silicon
	Power	Up to 75W
Solar Charge Controller	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
Battery	LifePO4	Up to 60AH
	Battery enclosure	Integrated in lighting fixture
LED Light Parameters	Light Source Power	Up to 5W each (Up to 750 lm each)
	CCT (Correlated color temperature)	3,000K-6,000K
	CRI (Color rendering index)	≥82
	Input Voltage	DC24V
Working Mode	Programmable, depend on solar radiation.	
IP Rating	IP65	
Material	Aluminum Die-casting + Stainless steel	

USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Sports Lighting

Key features:

- Low installation and maintenance costs.
- Replaceable Battery.
- IP65 Rating.
- High performance 1W LEDs with 150lm/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: HIGHLIGHT ML-GL-U-45W-12W-A-3-1-30K -18AH-BLK-PTC-GM

Model	Solar Panel	LED Power	LED Qty.	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HIGHLIGHT-ML-GL-U	35W	2W	A- 1 pc	1- Type I	30K	18AH	BLK- Black	PTC -Auto-heating system
	45W	5W	B- 2 pcs		40K	25AH		GSM - Ground spike mounting
	60W		C- 3 pcs		50K	30AH		GUM - Ground U mounting
	75W				60K	45AH		PM -Pole mounting
						60AH		

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