HIGHLIGHT ML-FL

The design of solar street light / courtyard light absorbs energy from the universe, and combines it with high efficiency solar panel, LEDs, and Lithium battery. It adopts advantage technics such as micro-controller, human infrared sensor and so on and combines with integrated design to achieve multiple features such as low power consumption but high brightness, long lifespan and maintenance free, meanwhile with waterproof function and great thermal dissipation. The intelligent control can be reprogrammed from the ground with an infrared before and after install. It is one of our great innovation patented products.

Key features:
- Low installation and maintenance costs.
- Replaceable Battery.
- 4 mounting brackets options.
- 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 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

Mid-size roads	●
Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●

Technical specifications

Solar Module Parameters	Type	Monocrystalline Silicon
	Power	Up to 45W
Solar Charge Controller Parameters	Type	MPPT
Battery Parameters	Type	Li–ion
	Capacity	Up to 32AH
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-25W-10W-2-30K -10AH-BLK-00-PTC-R

Model	Solar Panel	LED Power	Distribution type	LED Color Temp	Battery Options	Body Color	Options
HL-ML-FL	25W 45W	10W 20W 30W	3- Type III	30K 40K 60K	10AH 20AH 30AH	BLK- Black	00- No motion sensor 01-Motion sensor PTC- Warmer R- Round pole mounting S- Square pole mounting WM- Wall mounting

*Up on request.