

# HIGHLIGHT SP-OMAL

## 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 savings.

### **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 SP-OMAL™ 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 street light. The SP-OMAL's battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.

## Technical specification

<b>Solar Module Parameters</b>	Type	High-efficiency Monocrystalline Silicon
	Power	128W
<b>Solar Charge Controller</b>	MPPT (Maximum Power Point Tracking), infrared solar charging controller	
<b>Battery</b>	LifePO	Up to 45AH
<b>LED Light Parameters</b>	Light Source Power	Up to 60W (Up to 8,800 lm)
	CCT (Correlated color temperature)	3,000K-6,000K/ Amber
	CRI (Color rendering index)	<u>≥81</u>
<b>Control Modes</b>	Manual ON/OFF / Automatically ON/OFF / Time Control	
<b>Working Mode</b>	Depend on installation area, can be programed with remote control	
<b>IP Rating</b>	IP66	
<b>Motion Sensor</b>	PIR/ Microwave Optional	
<b>Material</b>	Aluminum Die-casting	
<b>Product Size</b>	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage
<b>Net Weight</b>	Light Body	Depend On LED power
	Solar Panel	Depend On Solar Panel wattage

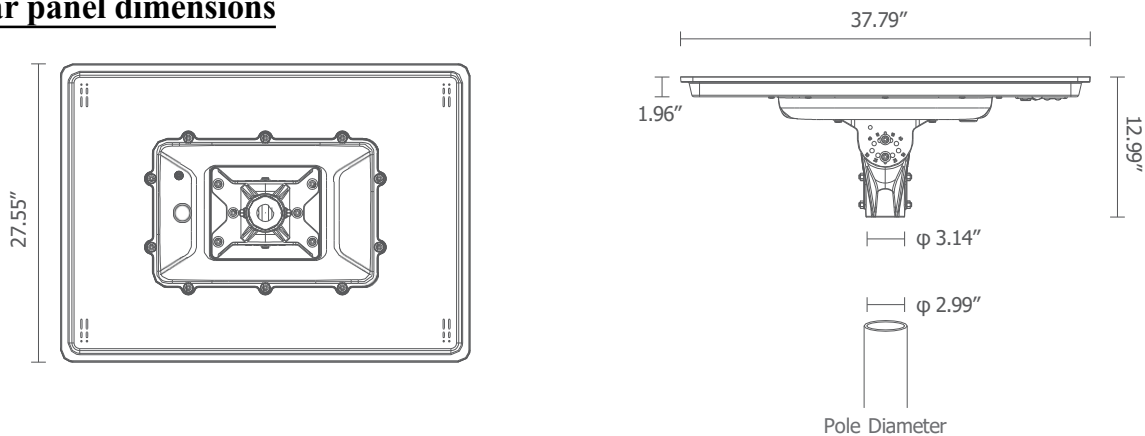
## Integrated solar panels

Building on the HIGHLIGHT SP-OMAL combines elite durability and modern aesthetics for high-end solar applications. Its aerospace-grade aluminum alloy housing, IP68-rated and corrosion-resistant, protects a high-capacity LiFePO4 battery paired with the high-efficiency MPPT controller, ensuring reliable performance in extreme conditions.

The system supports seamless integration with interchangeable LED luminaires (30W-60W), offering flexibility for luxury residential, commercial, and smart-city projects. Featuring tool-free installation and customizable finishes, it balances sleek design with rugged functionality. The light head can be any model as required.



## Solar panel dimensions


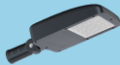
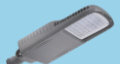




## SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE	
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Parking Lots	V
Residential Roads	V
Public Parks	V
Sports Lighting	V

## ORDERING GUIDE

Ordering Guide: EXAMPLE: HIGHLIGHT SP-OMAL-128W-A-30W- -30K-24AH-BLK-12'-00

Model	Solar panel	LED Head Type	LED Power	Distribution type	LED Color Temp	Battery options	LED body color	Height	Motion sensor
HIGHLIGHT SP-OMAL	128W	A – 	30W 50W 60W	1 – Type I	30K	24AH	BLK- Black	12'	00 – No motion sensor 01 – Motion sensor
		B – 		2 – Type II	40K	36AH		17'	
		C – 		3 – Type III	60K	45AH		20'	
		D – 		4 – Type IV	*Amber			25'	
		E – 		5 - Type V	(-MOQ- 200pcs)			*Can be customize	

**\*Can customized per to customer requirement**

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