

HighLight SUNBOX™



SUNBOX™
LIGHTING SYSTEM

The SolarPath HighLight SUNBOX™ Series is the ideal LED solar illumination technology for parking lot, street, pathway, perimeter and site lighting applications. Utilizing mesh networking, high output LEDs, and ultra-efficient solar panels—all while maintaining its compact design—the HighLight SUNBOX™ offers unparalleled balance of cost and performance.

Key features:

- Compact design for easy and safe installation
- Ultra-bright homogeneous LED light distribution
- Strong, weather-proof housing design
- Vandal resistant
- Recommended installation height 20ft (6m)
- Complies with Fish & Wildlife conservation regulations

Uses and Applications Guide

Streets lighting	●
Parking lots	●
Boardwalks	●
Farms	●
Public parks	●
Private gardens	●
Access roads	●
Walking paths	●
Bus stations	



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Technical Specifications

Lighting and Operation

Lighting Technology	LED Street Light Technology
Brightness	up to 1,200 lumens
Default color temperature	5,500K (other may be available)
Available distribution types	II, III, IV, V
Standard operation features	<ul style="list-style-type: none"> • Automatic day/night detection • Battery deep discharge and overcharge protection • False activation prevention logic • Computerized self-learning seasons change detection • Auto-adjusting battery charge algorithm according to ambient temperature sensing
Operation time	up to 72 hours (per charge cycle, programming dependent)

Energy Collection and Storage

Solar panel type	Mono Crystalline Silicon, 50W
Battery type	Extreme temperature Deep Cycle AGM / Gel-Cell
Voltage / Current	12VDC

Materials

Body	Steel or Aluminum
Dimensions (main body)	L30.2" W 26" H12.9" / L76.7cm W66.4cm H32.8cm
Dimensions (pole mount diameter)	Inner: 2.46" / 6.25cm
Unit Weight	Aluminum 28.66lb / 13kg Steel 79.37lb / 36kg
EPA	5

Optional Features

SP Control™ package	Allows full control of the system, alarms and event monitoring and statistical information transmission over long range, secure wireless connection.
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