



Technical Specifications

The SolarPath HighLight SFPSL™ 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. Solar panel can rise up and fold for maximum energy absorption, a feature effective when the panel cannot be rotated. This product has both a solar engine and a streetlight. The battery and control are on the LED head which allows this product to be used for parks, roads and paths. Once the product is installed, it can be controlled via a remote control.

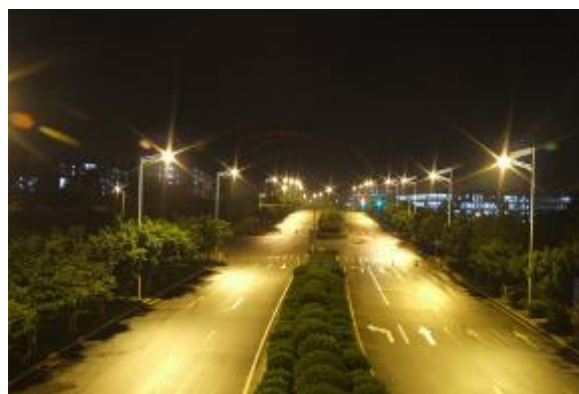
Key features

- Low installation and maintenance costs.
- High LED performance 1W/160lm.
- Solar panel can rise up and fold for maximum energy absorption.
- Light dimming engine.
- LED's operating lifetime over 150,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical application.
- Battery enclosure.
- Aluminum housing for efficient heat dissipation
- Approved IDA.

| | | |
|-----------------------------------|---|--|
| Solar Module Parameters | Type | High-efficiency Monocrystalline Silicon |
| | Power | Up to 160 W |
| Solar ChargeController Parameters | Type | PWM/MPPT, infrared solar charging controller with infrared remote control. |
| Battery capacity | LifePO4 Lithium | Up to 48 Ah/12.8 V |
| LED Light Parameters | Light Source Power | Up to 120 W |
| | Lamp Rated Total Luminous Flux | Up to 19,200 lm |
| | CCT (Correlated Color Temperature) | 3,500K-6,000°K |
| | Color Rendering Index (CRI) | ≥70 |
| Control Modes | 1.Light control 2. Timing control 3. Microwave control 4. Timing + Microwave control | |
| Operation profile | 1. 100%-2hrs, 70%-2hr, 20%-8hrs. 2. 100%-2hrs, 70%-2hrs, 50%-2hrs, with motion sensor. 3. 50%-1hr, 100%-4hrs, 50%-3hrs,25%-4hrs. 4. 100%-6hrs, 50%-6hrs. 4. Always 20% dim, motion sensor trigger jump to 100% for 2 minutes. 5. Always 20% dim, motion sensor trigger jump to 100% for 2 minutes. * Operation profile above are active depending to the solar radiation in the installation location, please consult with one of Solarpath representative. | |
| Lighting Material | Die-casting Aluminum | |
| Extended Application | Wireless Remote controller | |
| Optional | GPRS Integrated Management System (Remote control and monitoring) | |

Uses and Applications Guide

| | |
|-------------------|---|
| Streets lighting | ● |
| Parking lots | ● |
| High Speed way | ● |
| Branch roads | ● |
| Residential roads | ● |
| Public parks | ● |
| Sports lighting | ● |



Ordering Guide

EXAMPLE: SFPSL-A-60W-40W-3-35K-18AH-1-GR-01

| Model | Solar panel quantity | Solar Panel | Led Power | Distribution Type | Led Color Temp | Battery capacity | Arm | LED Body color | Motion Sensor |
|-------|----------------------|----------------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------|----------------|--------------------|
| SFPSL | A- 1 | 60W 80W 140W 160W | 40W 64W 100W 120W | 3 – Type III | 35K 50K 60K | 18AH 24AH 39AH 48AH | 1 – Single 2 - Double | GR - Grey | 01 – motion sensor |



*Up on request

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