



SOLAR OUTDOOR LIGHTING, INC.

STANDARD FEATURES

- UL Listed
- 2-Year System Warranty
- 20-Year Solar Panel Warranty
- Protective Solar Panel Mount
- Maintenance-Free Gel Batteries
- Five-Day Battery Reserve
- Omni-Directional
- Technical Service 800 number

LIGHTING APPLICATIONS

- Streets, Parks
- Parking Areas
- Security-Safety Zones
- Gates, Entrances
- Boat Ramps
- Jogging, Bike Paths
- Remote Locations

BENEFITS

- Immune to Power Outages
- Easy Installation
 - *Modular, pre-drilled
 - *Quick connect plugs
 - *Direct burial
- No Trenching-No wiring
- No Transformers
- No Meters



SOLAR OUTDOOR LIGHTING, INC.

Solar Outdoor Lighting, Inc.

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SL SERIES

Solar Panels



Cobrahead Luminaire

The SL Series features a patented solar panel mounting system in which the panels lie flat on the mounting bracket. The flat panels allow the light to be installed in any direction, regardless of sun path direction. This makes the SL ideal for random direction installations such as winding streets or parking lots.

The flat panels also present a low wind profile. In areas exposed to high winds, SL performance is legendary. During Hurricane Andrew in South Florida, SL models withstood well over 160 mph winds and provided the only emergency light available over a five square mile area.

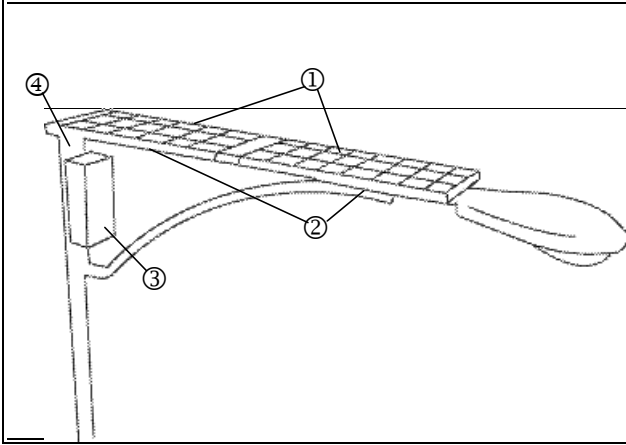
The SL Series is a high reliability, stand-alone lighting system. The luminaire, protected solar panels, rugged battery compartment, panel mounting platform and mounting bracket provide a totally integrated, self-contained lighting source.

SL Series

Lighting System Specifications

All inclusive lighting system with standard cobrahead luminaire and lamp assembly. Shoe box luminaire may also be used. See Standard Luminaires for Distribution Patterns.

MOUNTING BRACKET ASSEMBLY



1. Solar panels lie flat for omni-directional placement of the light assembly.
2. Underside of solar panels are protected with aluminum panel pans.
3. Vented aluminum battery box holds batteries and controller. It is mounted on the main support bracket and is shaded by the panels.
4. Sturdy schedule 40 aluminum and stainless steel hardware throughout.
5. Mounts on any pole 4 inch O.D. or greater.

POWER COMPONENTS

	Single Panel	Double Panel
Panel Wattage-Output Amps Solarex MSX Series	53w-3.2A 64w-3.65A 77w-4.55A 83w-4.85A	106w-6.4A 128w-7.3A 154w-9.1A 166w-9.7A
Module Dimensions (Inches)	53w-20x44 64w-20x44 77w-26x44 83w-26x44	106w-20x88 128w-20x88 154w-26x88 166w-26x88
Batteries-Maintenance Free Gel Cell Number-Total Amp Hour Capacity	1=80 AH or 1=98 AH	2=160 AH or 2=196 AH
Weight and Effective Projected Area (EPA) Weight (lb)-EPA (sq ft-sf) at 0 Degrees (includes luminaire and arm)	53w-155lb-5.7sf 64w-155lb-5.7sf 77w-160lb-5.7sf 83w-160lb-5.7sf	106w-235lb-6.4sf 128w-240lb-6.4sf 154w-245lb-6.4sf 166w-245lb-6.4sf

CONTROLLERS

	SCU-1	Morningstar
Input Maximum Current	16 Amps	20 Amps
Load Current Maximum	20 Amps	20 Amps
Low Voltage Disconnect (LVD)	10.75 VDC	11.7 VDC
Low Voltage Reconnect (LVR)	12.35 VDC	12.8 VDC
High Voltage Disconnect (HVD)	15 VDC	N/A
Charge Stop Voltage	14.4 VDC	14.1 VDC
Dusk Set Point	VOC<4 VDC	VOC<6 VDC
Dawn Set Point	VOC>8 VDC	VOC>10 VDC