

**DUO-GARD**

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**Solar LED Transit Light Bar**

## Product Features

The LED Solar Transit Light Bar is an out of the box solar lighting solution that comes pre-assembled, is easy to install, and requires virtually no maintenance. It is a clean, renewable, lighting solution ideally suited for virtually any location that has no access to conventional power or where running conventional power would be cost prohibitive.

The LED Solar Transit Light Bar represents the next generation of solar powered LED lights with a long rated life that virtually eliminates ongoing maintenance expenses and provides significant operating cost benefits over the life of each system.

### Applications

- Ideal for transit shelters or similar structures up to 144 square feet. The LED optical systems provide highly uniform lighting and excellent color rendering specifically designed to illuminate your structure.
- Typical applications include transit shelters, smoking shelters, pavilions, restrooms, pergolas, and mail box areas.

### Housing, Bracketing, and Hardware

- Extruded aluminum housing, aluminum cover.
- 5052-H32 aluminum bracketing.
- Stainless steel tamper resistant hardware.

### LED and Optical Assembly

- Structured LED lamping for optimized area light photometric distribution.
- Integrated high efficiency drivers.
- Utilizes bright white LEDs (4000K or 5000K).
- 600 lumen light output.
- Vandal resistant polycarbonate lens.

### Lumen Maintenance

- LED rating of 50,000 hours.

### Ratings

- Solar module: UL, CE, IP 65, SA.
- Charge Controller: CE, RoHS.
- Battery: UR, CE.
- Connectors: UL, CE.
- Fittings: UL.
- Temperature rated at -30° to 50°C.

### Run Times

- Standard: Dusk to Dawn
- Optional After Dusk Times: 2,4,6,8,10 hours
- Optional Split Times: 3/1, 4/2, 6/2

### Optional Features

- Momentary push button system test switch.
- NRTL charge controller and NRTL LEDs.

### Mounting and Installation

- Designed to mount to any standard structure, can also be adapted to a variety of structure shapes and sizes.
- Simple design allows for installation by a single technician in approximately one hour.

### Finish

- Durable baked on powder coat finish.
- Standard and custom RAL colors available.

### Electrical

- 12 VDC.

### Charge Controlling System

- PWM battery charging.
- Low Voltage Disconnect (LVD) battery protection.
- Temperature compensation.
- Automatic on/off time with automatic adjustment for seasonal changes.
- In-line protective fuse with LED fuse condition indicator.

### Solar Module

- Polycrystalline silicon cells.
- Tempered front glass.
- Anodized aluminum alloy frame.
- White PET back foil.

### Battery

- No maintenance, non-spillable, valve regulated, sealed lead acid.
- 5-10 day battery reserve.

### Warranties

- Solar Module: 25 year performance warranty
- Charge Controller: 5 year warranty
- Battery: 1 year limited warranty
- LED Light: 5 year warranty
- Metal Components: 5 year warranty