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solarseries

**Solar LED  
 Runway Guard Light  
 (RGL)**

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**Solar LED Runway Guard Light (RGL)**

The Solar Series Runway Guard Light (RGL) increases safety at airfield intersections by providing a 24/7 LED warning system for aircraft and vehicle operations. Our solar RGL is designed for permanent, temporary or portable airfield applications. The maintenance-free, self-contained solar engine comes with frangible mounting accessories and is available with an optional radio frequency controller, providing command and control features from the tower.

**Features**

- Reliable, low-cost, solar LED warning system for use at airfield intersections.
- Designed for continuous 24-hour operation in permanent, temporary or portable airfield applications.
- Rugged, self-contained solar engine requires little to no maintenance with replaceable 5-7 year batteries.
- Configurable solar engine allows for self-contained or detached installation (up to 10 feet from light housing).
- Solar engine swivels for optimal solar charging position.
- 120-day autonomy without solar recharge.
- Available in Standard Model or Northern Model for higher latitudes or demanding solar conditions.
- Available with optional Radio Frequency Controller which enables wireless control from the tower.



*Solar LED Runway Guard Light  
 Part #: SL-SSFL-2408-FM*



**Specifications**

**Light Characteristics**

Peak luminous intensity: 12" Amber Lens: 678 candela  
 8" Amber Lens: 267 candela

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Light output/distribution: Meets Institute of Transportation Engineers 2005 specifications.  
 Multiple flash patterns available.  
 High brightness LEDs.

**Power Characteristics**

Battery: Standard Model 50 Ah  
 Northern Model 100Ah  
 Sealed lead acid Mil-Spec batteries made by Hawker.

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Solar Panel: Standard Model 18W (At 4V) (panel size 21" x 13")  
 Northern Model 27W (At 4V) (panel size 32" x 13")  
 Solar cells mounted on fiber substrate to eliminate expansion effects of high temperature environment.  
 Sealed in waterproof epoxy.

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Autonomy: Tested to 120 days autonomy.

**Physical Characteristics**

Weight: 78 lb.  
 Dimensions: 35" x 27" x 14"

**Options**

Remote operation capabilities using spread spectrum radio signal with range of 1/2 mile, or with cell phone connection.

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