

SPECS



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Solar Series Elevated Runway Guard Light



The Solar Series Elevated Runway Guard Light (ERGL) is a self sustaining, completely autonomous airfield lighting technology, designed for permanent, temporary or portable airfield operations. With its self-contained design, the Solar Series ERGL eliminates the need for conventional power inputs, expensive infrastructure and daily energy and maintenance costs, while increasing airfield safety 24 hours per day in the most challenging climates around the world. The Solar Series ERGL offers a quick and effective solution to airfields, in support of efforts to prevent unnecessary runway incursions and enhance over-all airfield safety.

solarseries™

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FEATURE BENEFITS

INCREASE SAFETY

Permanent, temporary or portable operations. Configurable Solar Engine allows for self contained or detached installation.

Available in Standard Model or Northern Model for higher latitudes or demanding solar conditions.

PROVEN RELIABILITY

Reliable, low cost LED warning system for aircraft and vehicles moving throughout the airfield during day and night operations. Rugged self-contained solar engine requires little to no maintenance with replaceable 5-7 year batteries.

FULL CONTROL

Available with an optional Radio Frequency Controller. This enables the system to be controlled wirelessly from an Air Traffic Control Tower.



SPECIFICATIONS

OPTICAL

Compliance	Hold Position ICAO Light Section 5.3.27 FHWA / MUTCD
Certification	CE, CSA, ETL
Configuration	24/7 Elevated Runway Guard Light
Output	Visible
Visible LED Light	Amber or Red
Peak Luminous Intensity	12" LED / Lens: 678 candela 8" LED / Lens: 518 candela
LED Life Expectancy	Long Life - Up to 60,000 hours

MECHANICAL

Mounting	Mounting Frangible FAA/ICAO couplings Round Pole 3.5"
Chassis and Solar Engine	4.5" Mid-pole side mount 6061-T6 powder coated aluminum Solar Engine can be top mounted (standard) or mounted separately to meet maximum height requirements
Signal Housing	Polycarbonate
Housing Color	Yellow, green or black
Weight	49-55 lbs. (22-25 kg) approx.

ELECTRICAL

Battery	Storage AGM 12V, 20Ah. Sealed Lead acid Mil spec batteries
Solar Panel	30W nominal, 12V, CSA certified (panel size 31" x 13") Solar cells sealed in waterproof Epoxy
Autonomy	14 days (without charging)
Alternate Power	AC / Solar hybrid available

ENVIRONMENTAL

Operating Temperature	-40°C to +165°C
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WARRANTY

Warranty	5 year Limited Warranty for defects in workmanship and materials (excludes batteries and vandalism)
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OPTIONS

	Available with remote operation capabilities using spread spectrum radio signal
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