

Solar Series Elevated Runway Guard Light

COMPLIES WITH ICAO LIGHT SECTION 5.3.28 / FHWA / MUTCD



The Solar Series Elevated Runway Guard Light (ERGL) is a self sustaining, completely autonomous airfield lighting technology. It was 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. The Solar Series ERGL increases 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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SPECS

Solar Series Elevated Runway Guard Light

FEATURE BENEFITS

INCREASE SAFETY

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

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 5.3.28 FHWA / MUTCD
Certification	CE and UL Certified Components
Configuration	24/7 Elevated Runway Guard Light
Output	Visible
Visible LED Light	Amber or Red
Peak Luminous Intensity	8" LED / Lens: 518 candela
Flash Pattern	60 cycles per minute
LED Life Expectancy	Long Life - Up to 60,000 hours

MECHANICAL

Mounting	Frangible FAA/ICAO couplings
Chassis and Solar Engine	6061-T6 powder coated aluminum Solar Engine can be top mounted (standard) or mounted separately to meet maximum height requirements
Signal Housing	100% UV stabilized polycarbonate and abrasion resistant
Solar Panel Housing Dimensions	30 7/8" x 13 1/4"
Weight	62 lbs. (28 kg)
Housing Color	Yellow, green or black

ELECTRICAL

Battery	Storage AGM 12V, 20Ah. Optional Mil Spec Batteries
Solar Panel	40W nominal, 12V. Solar cells sealed in waterproof Epoxy
Autonomy	14 days (without charging)
Alternate Power	AC / Solar hybrid option available

ENVIRONMENTAL

Operating Temperature	-40° to +74°C (-40° to +165°F)
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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

Options	Available with remote operation capabilities using spread spectrum radio signal
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