

Medium Intensity Flashing Red Aviation Obstruction Light Model FA-250LED L-864



This medium intensity, omni directional, red obstruction light is **ETL certified to FAA L-864 and complies with ICAO 6.1.13**. The light consists of a cooper-free cast aluminum base and precision molded, UV stable, acrylic cover protecting high flux LED's arrays mounted in a parabolic reflector. Groups of reflectors are stacked to optimize optical performance. The array system is driven by highly efficient proprietary electronics. The LED's are mounted on metal core PCB with a **patented** passive heat pipe cooling system keeping the temperature of the LED below 50 C **without fan cooling**. Additionally, the nominally rated 3-watt LED's are operated at 33% nominal input power providing the longest design life in the marketplace. The FA-250LED L-864 controller provides flash control, current limiting to the LED, photocell input, and synchronization terminal. The controller has a nominal input of 24 Volts to accommodate solar power systems or standby battery systems.

Technical data:

Cover: Precision-molded, high-temperature, UV-stabilized clear acrylic cover.

Optic: Stainless parabolic reflector with a state-of-the-art dichroic hybrid spectral metal coating.

Light Engine: High flux 3 watt LEDs operated at 33% nominal input power for superior LED life.

LED Mounting Fixture: **Patented** integral heat pipe transports heat away from the LED and into the reflector housing.

Photometric data:

Beam: 360 degrees (H). 3.0 degrees (V).

Intensity: 2000 cd EFI in red.

Flash Rhythm: 20 flashes per minute (1.0 on, 2.0 off).

Mechanical Data:

No moving parts. Height: 750 mm. **Weight:** 15 kgs.

Materials: Marine epoxy coated cast aluminum base. Anodized reflector housing. Stainless reflector.

Mounting: Four 15.5 mm (5/8") diameter holes, 90 degrees apart on a 200 mm (7 7/8") bolt circle, or, optionally, four 17.5mm (11/16") diameter holes, 90 degrees apart on a 337mm (13.25") bolt circle.

Factory Mutual certified to NEC Class I, Division 2, Hazardous Areas.

Electrical Control Module:

Input: 20-30 Volts DC, 120 VAC/240 VAC 50-60HZ.

Power: 51 watts fixed. 17.0 watts average flashing. 0.5 watts quiescent current.

Flash Rhythm: 20-40 Flashes per minute (selectable). Fixed Burning is also an option.

Failure Sensing Circuit: LED failure sensing circuit de-energizes the light if more than 25% of the LEDs fail per FAA requirements.

Synchronization: Terminal for UNIFLASH® III wireless synchronization system or hardwired synch circuit.



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NEC Class I, Division 1, IEC Zone II and ATEX Zone 1 versions are also available.

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