

# 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 precision molded cover housing with high flux LED 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 integrated heat pipes to keep 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 LED's operated at 33% nominal input power for superior LED life.

**LED Mounting Fixture:** 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 in red at 24 flashes per minute.

#### **Mechanical Data:**

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

**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.

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#### **Electrical Control Module:**

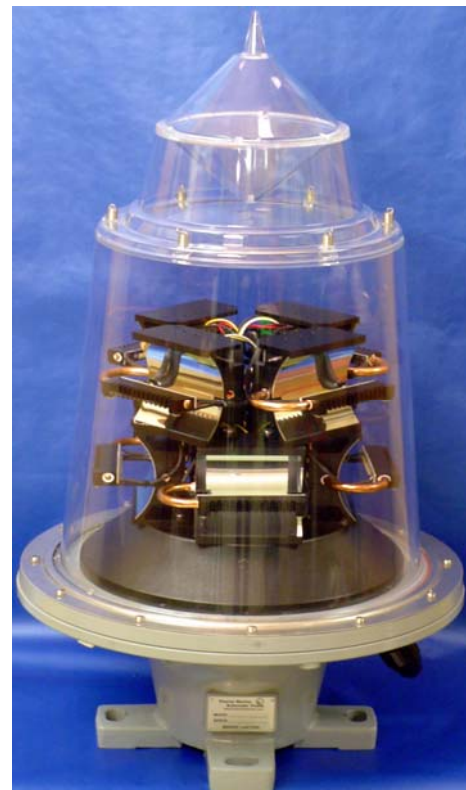
**Input:** 20-30 Volts DC.

**Power:** 51 watts on flash. 20.5 watts average. 0.5 watts quiescent current.

**Flash Rhythm:** 24 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 LED's fail per FAA requirements.

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



### **FA-250LED L-864**

Approved by FM to NEC Class I, Division 2.

IEC Zone II and ATEX Zone 1 versions are available without ETL certification to FAA requirements.

