

**Medium Intensity
Flashing Red/White Dual Day/Night
Aviation Obstruction Light
Model FA-320LED L-864/L-865**



This medium intensity, omni directional, red/white obstruction light complies with **FAA L-864/L-865 and ICAO 6.1.13**. The light consists of a precision molded cover housing with high flux red and white LEDs mounted in arrays directed into 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**. The FA-320LED L-864/L-865 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 LEDs.

LED Mounting Fixture: Integral heat pipe transports heat away from the LED and into the reflector housing.

Photometric data:

Intensity: 20,000 cd EFI white (daytime) 0.1 Sec Flash
2000 cd EFI red (nighttime) at 1.0 Sec Flash

Mechanical Data:

No cooling fan or other moving parts.

Height: 600 mm. **Diameter:** 320 mm. **Weight:** 17 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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FORM N° 120210

Electrical Control Module:

Input: 20-30 Volts DC.

Power: (Daytime) 650 watts on flash. 40 watts average power.

(Nighttime) 50 watts on flash. 17.0 watts average.

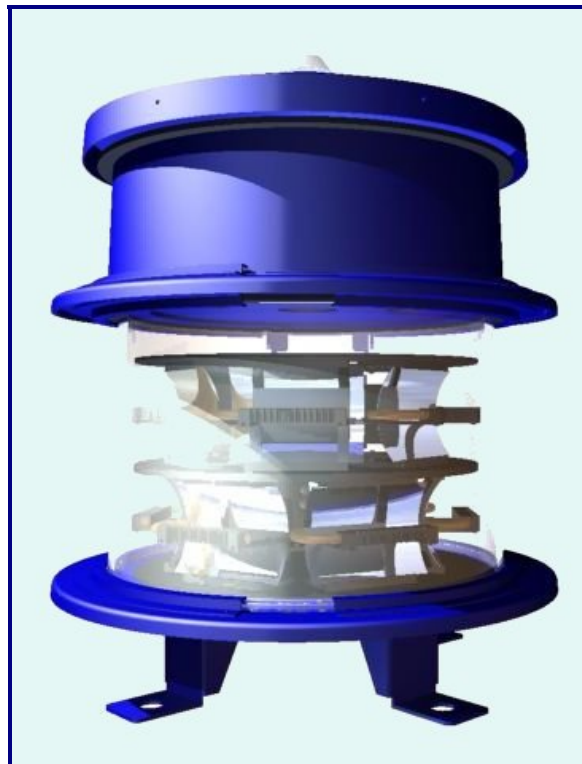
0.5 watts quiescent current.

Flash Rhythm: 40 Flashes per minute (daytime) and 20 Flashes per minute (nighttime).

Failure Sensing Circuit: LED failure sensing circuit per FAA requirements.

Synchronization: UNIFLASH® III wireless synchronization system mounted in the top of the beacon or hardwired synch circuit.

Location: Control Electronics may be mounted in the beacon or, alternatively, mounted as much as 500 meters away from the light.



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