

FA-250LED HT High Temperature LED Light

The FA-250LED HT is an LED based Medium Intensity Red Aviation Obstruction Light designed for high temperature applications such as flare stacks, chimneys, blast furnaces, etc.

Designed to be placed in remote locations, the lantern incorporates very long lived LEDs to minimize scheduled maintenance. The FA-250LED HT features high flux LED arrays mounted on a stainless steel, parabolic reflector. The highly efficient reflector uses a state-of-the-art dichroic hybrid spectral metal coating. The LEDs are mounted on metal core PCBs with **patented integrated heat pipes to cool the LED arrays without a cooling fan.** This highly efficient, passive, cooling system gives the LED array the highest design life in the marketplace (greater than 60,000 hours).

The materials of the FA-250LED HT housing are selected to match the life of the LEDs contained inside. **No plastic is used in the unit.** The cover is tempered toughed glass able to withstand high temperature and impact and the base is impregnated, anodized and painted cast LM6 aluminum.

The external LED electronic controller may be located as much as 500 meters away from the flashhead—ideally easily accessible for servicing. It provides current limiting to the LED, flash control, monitoring output, photocell input and a synchronization terminal. Nominal Input Voltage is 24 Volts DC. A small power supply can be added to the front of the system to handle 110 VAC or 220-240 VAC 50-60Hz.

Mechanical Data:

No moving parts. Height: 451 mm. **Weight:** 15 kg.

Materials: Marine epoxy coated cast LM6 aluminum base. Anodized reflector housing. Stainless reflector.

Mounting: : Four M10 X 1.5 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.

Ingress Protection: IP-67

Corrosion Protection: NEMA 4X

Operating Temperature: All components in the lantern housing will withstand an ambient temperature of 100°C. The exterior of the lantern will withstand a 200°C flare for one minute. External shielding from the flare stack required.



Variations of Lantern

FA-LED HT L-864: 20 Watt LED Array providing Flashing or Fixed Medium Intensity Aviation Obstruction Light conforming to FAA L-864.

Patent No.: US 7,461,952

Form 012511D