

Model IFLOB-250-SOL

Medium Intensity Flashing Red Obstruction Light

This medium intensity, omnidirectional, red obstruction light complies with ICAO Annex 14, Chapter 6 for a flash rate of 20 flashes per minute. The light consists of an aviation red, FA-250 lantern containing six each, 12 volt, 108 watt, prefocussed, high pressure halogen, marine signal lamps mounted on a six-place FLASHCHANGER®. When the operating lamp fails, the FLASHCHANGER automatically rotates the next lamp into precise focal position. When all lamps have failed, it automatically posts a failure alarm. The FLASHCHANGER accepts any input from 12.2 to 30 volts and uses a pulse width modulated regulator to operate the lamp at 12.0 volts giving 1000 hours of life per lamp and 6,000 total hours of lamp life for the optic. With the built-in photocell daylight control, the optic has approximately 12,000 hours of lamp life.



Technical Data

Lens: 250 mm acrylic fresnel lens with red lens cover (30% filter factor).

Lamps: Prefocussed, T-4 envelope, C-8 filament, 108 Watt, 1000 hours at 12 Volts.

Photometric Data

Peak Beam Candlepower: 1880 cd in aviation red.

Beam: 360 degrees horizontal. 2.8 degrees vertical.

Equivalent Fixed Intensity: 1600 cd at 1.45 second flash duration and 20 flashes per minute.

Mechanical Data

Height: 30 inches for lantern.

Weight: 35 lbs.

Materials: Acrylic plastic lens and lens cover, corrosion resistant cast aluminum base, stainless steel fittings, silicone-rubber lens gasket.

Mounting: 4 each 5/8 inch diameter holes on 7 7/8 inch bolt circle. Bird Spike provided at top of optic. Lanterns hinged at midpoint for relamping.

Electrical Data

Input Voltage: 12-30 Volts DC. **Power:** 58 watts average.

Supply: 12, 18, or 24 Volt Solar Power System or, if mains are available, a DC power supply with various AC inputs, or, battery charger/battery bank.

Safety: No interlocks required, no hazardous voltage required on tower, may be serviced with circuits energized.

Failure of last lamp of flashchanger posts an open collector alarm condition that is used to control a relay that puts the secondary lantern in service.

Synchronization terminal for hardwire connection or UNIFLASH® wireless synchronization system.

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COMPARISON TO CONVENTIONAL L-864 LIGHTS

Low power consumption--58 watts DC average versus 600 watts AC average.

Extended maintenance interval--12,000 hrs versus 6,000 hrs.

Reliability--Six filaments versus two filaments.

Safety--Safe 12-volt operation versus 120 VAC. No dangerous voltages on tower.

Convenience--Relamping with system energized versus total shutdown.

Flexible Power--solar power, batteries, or power supply versus commercial AC power.