

Steady-Burning Red Obstruction Light

Model OB-249-SOL Solar Powered

FAA L-810 and ICAO Annex 14 6.3.11

This low intensity, omnidirectional, red obstruction light complies with the requirements of FAA L-810 and ICAO Annex 14 6.3.11. The light consists of a single 155mm red acrylic lenses mounted on a FA-249(WA) lantern. The lantern contains four each, 12 volt, 2.03 amp, prefocussed, frosted, marine signal lamps mounted on a four-place APCL-5 Flashchanger. When the operating lamp fails, the flashchanger automatically rotates the next lamp into precise focal position. The flashchanger accepts any input from 12.0 to 30 volts and uses highly efficient, pulse width modulation regulation to operate the lamp at 10.50 volts giving 5,300 hours of life per lamp and 21,200 total hours of lamp life for the optic. With the built-in photocell daylight control, the optic has in excess of five years of lamp life.

Technical data:

Lens: 155 mm aviation red, acrylic, fresnel lens (30% filter factor).

Lamps: Prefocussed, S-11 envelope, C-8 filament, Krypton-filled, Incandescent, Frosted, 2.03 Amp, 1,000 hours at 12 Volts, 5,300 hours at 10.5 Volts.

Photometric data:

Candlepower: Not less than 30 candela (peak) and 15 candela at +/- 5 degrees at 10.5 volts for 2.03 amp lamp (Class 1).

Beam: 360 degrees horizontal--not obstructed by standby optic.

Uniform within 15%.

Aiming: Center of vertical beam is +10 degrees.

Mechanical Data:

Materials: Acrylic plastic lens, Lexan plastic housing, stainless steel fittings, stainless steel mounting inserts, silicone-rubber lens gasket.

Bottom Mounting: Four 5/8 inch diameter holes on 7 1/8 inch bolt circle.

Bird Spike provided at top of optic. Hinged at midpoint for relamping.

Electrical Data:

Input Power: 20 watts for the 2.03 amp lamp (Class 1) over the range of 10.7-30 Volts DC.

Supply: 12, 18, or 24 Volt Solar Power System. 12, 18, 24, or 28 Volt Power Supply with various AC inputs, or 12/24 Volt battery charger/battery bank.

Factory Mutual Approved for NEC, Class 1 Division 2 Hazardous Areas. This unit is designated FA-249HA.



All circuits designed to operate in the marine environment.

Features:

External Photocell Control mounted on 3/4 inch NPT plug.

Dimensions:

Height: 18 1/2 inches. **Weight:** 6.5 lbs.

Shipping Volume: 2 cu ft. **Shipping Weight:** 10 lbs.



Automatic Power Inc