

# OB-249 LED L-810 AVIATION LIGHT

This low intensity, omnidirectional, red obstruction light is approved by ETL as a FAA L-810 light. The light consists of a precision 155mm clear acrylic drum lens with a high flux LED array mounted at the focal point of the lens. The 3X4 LED array approximates an incandescent point light source which couples to the lens with a high degree of efficiency. At the regulated intensity the LED has a rated life on the order of 100,000.

## TECHNICAL DATA

- Lens: 155mm aviation clear, acrylic fresnel lens.
- Lamps: Compact. High flux Red LED array. 100,000 hours rated life.

## PHOTOMETRIC DATA

- Candlepower: Not less than 32.5 candela (peak) and 15 candela at  $\pm 5$  degrees at 10.5volts for 2.4 watts of input power. FAA Standards.
- 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, red polycarbonate 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.
- Birds spike provided at top of optic. Hinged at midpoint for relamping.

## ELECTRICAL DATA

- Input Power: 2.4 watts over the range of 10.7-30 volts DC.
- Supply: 12, 18 or 24 volt solar power system. 12, 18 or 24 volt power supply with various AC inputs, or 12/24 volt battery charger/battery bank.

## FEATURES

- External photocell control mounted on  $\frac{3}{4}$  inch NPT plug.

## DIMENSIONS

- Height: 18  $\frac{1}{2}$  in.
- Weight: 6.5 lbs.
- Shipping Volume: 2 cu. ft.
- Shipping Weight: 10 lbs.

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Airport Equipment  
Qualified To  
FAA Specification  
AC 150/5345

Intertek Testing Services N.A., Inc.  
Cortland, New York 13045