

# Flashing Red or Yellow Obstruction Light for Mobile Objects (Drillships, Jackups, Semis, and Land Rigs)

## Model FLOB-249.BP

This flashing, omnidirectional, red/yellow obstruction light complies with the requirements of ICAO Annex 14 6.3.12 for mobile objects. The light consists of a single 155mm red or yellow acrylic lenses mounted on a FA-249 lantern. The lantern contains six each, 12 volt, 1.15 amp (red) or 0.55 amp (yellow), prefocussed, marine signal lamps mounted on a six-place APCL-5 FLASHCHANGER®. When the operating lamp fails, the FLASHCHANGER automatically rotates the next lamp into precise focal position. It accepts any input from 12.2 to 30 volts and uses highly efficient, pulse width modulation regulation to operate the lamp at 12.00 volts giving 1000 hours of life per lamp. With the flash rhythm and built-in photocell daylight control, the optic has in excess of three years of lamp life.

### Technical Data:

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

155 mm aviation yellow, acrylic, fresnel lens (68% filter factor).

Lamps: Prefocussed, S-8 envelope, C-8 filament, Krypton-filled, Incandescent, 1.15 Amp for red light or 0.55 amp for yellow light, 1,000 hours at 12 Volts.

### Photometric Data:

Candlepower: Not less than 40 candela Equivalent Fixed Intensity.

Flash Rhythm: Sixty Flashes per minute--0.3 sec on and 0.7 sec off.

Beam: 360 degrees horizontal--uniform within 15%.

### 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 Voltage: 10.7-30 Volts DC.

Power Consumption: 6.2 Ampere-hours per day for Red Light at 12 Volts or 3.1 Ampere-hours per day for Yellow Light at 12 Volts.

Supply: 12 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.

All circuits designed to operate in the marine environment.

### Features:

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

Synchronization Terminal, Monitor and Control Terminal.

Lightning protection available.

### Dimensions:

Height: 18 1/2 inches.

Weight: 6.5 lbs.

Shipping Volume: 2 cu ft.

Shipping Weight: 10 lbs.



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