

# FA-165HA CLASS 1 DIV 2 RED LED AVIATION OBSTRUCTION LIGHT



The FA-165HA is an LED based Low Intensity Red Aviation Obstruction Light designed for extreme environments such as high UV and marine conditions encountered on offshore oil and gas production facilities, drilling rigs and refineries.

Designed to be placed in remote locations, the lantern incorporates very long lived LED's to minimize scheduled maintenance. The FA-165HA LED's 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-165HA housing are selected to match the life of the LEDs contained inside. **No plastic is used in the housing of the unit.** The cover is tempered toughened glass able to withstand high temperature and impact and the base is impregnated, anodized and painted cast marine grade aluminum.

The FA-165HA has several options for electronic controllers: a 90-264 VAC 50-60 Hz internal controller, a 20-30 VDC internal controller or an external AC or DC controller, which can be remotely located up to 800 meters away.

## Mechanical Data:

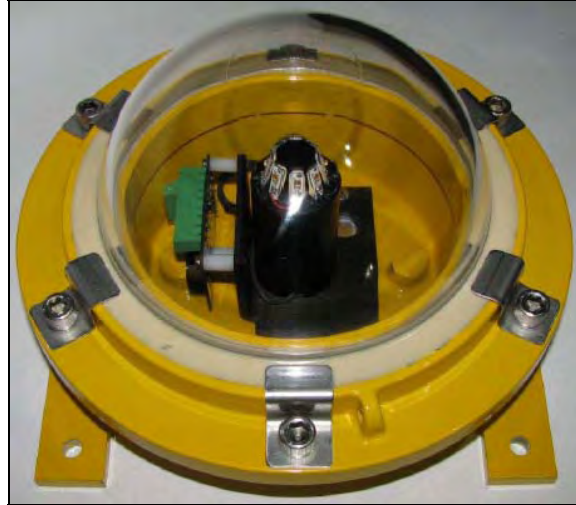
**No moving parts.**

**Height:** 149 mm (5,86") **Weight:** 5 kg (12lbs.)

**Materials:** Epoxy coated cast marine grade aluminum base. Toughened glass.

**Mounting:** Four 7 mm (9/32") diameter holes, 90 degrees apart. 229 mm (9") x 191 mm (7 17/32").

**Ingress Protection:** IP-X6



**MODEL FA-165HA**

## VARIATIONS OF AVIATION LANTERNS

**FA-165HA (With Special Lensing):** 13 Watt, 200 candela, **Red** LED Array aviation obstruction light conforming to CAP 168, Group "B" standards.

**FA-165HA:** 3 Watt, 10 candela, **Red** LED Array aviation obstruction light conforming to CAP 168, Group "A" standards.

**FA-165HA:** 13 Watt, 100 candela, **Red** LED array conforming to Australian standards for low intensity obstacle lights.



Class 1, Div. 2, Groups A, B, C, D  
Ta 54°C T5, Ta 74°C T4A

**FA-165 HIGH TEMPERATURE UNIT:** All components in the lantern housing will withstand an ambient temperature of 100°C. The exterior of the lantern will withstand a 130°C flare for one minute. The FA-165 High Temperature unit must be operated with the external electric controller. (No hazardous area approval for this Lantern)

*Specifications subject to change without notice*

Form No.: 101411D

