



OVERVIEW

The FA-165EX 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-165EX LED's are mounted on metal core PCBs with patented integrated heat pipes to cool the LED array 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).

CERTIFICATES

- EC-Type Examination Certificate
- Certificate No.: ITS10ATEX17055X
Coding: II 2 G Ex d IIB T5 Tamb -20°C to +55°C Gb
Optional: Tamb -40°C to +55°C Gb
- Certificate No.: IECEx ITS 10.0041X
Coding: Ex d IIB T5 Tamb -40°C/-20°C to +55°C Gb (Dependent on Model)*
- Certificate No.: NCC 17.0084 X (INMETRO – Brazilian Market)
Coding: Ex d IIB T5 Gb Tamb -20°C to +55°C
Optional: Tamb -40°C to +55°C

VARIATION OF FA-165EX 02 AVIATION LIGHTS

- CAP 168 GROUP "B": 20 Watt DC, 21 Watt AC, 200 candela, Red LED array Aviation Obstruction Light complying to CAP 168, Group "B" standards
- CAP 168 GROUP "A": 3 Watt DC, 3.5 Watt AC, 10 candela, Red LED array Aviation Obstruction Light complying to CAP 168, Group "A" standards
- ICAO TYPE "A": 3 Watt DC, 3.5 Watt AC, 10 candela, Red LED array Aviation Obstruction Light complying to ICAO "A" standards
- ICAO TYPE "B": 5 Watt DC, 5.5 Watt AC 32 candela, Red LED array Aviation Obstruction Light complying to ICAO "B" standards

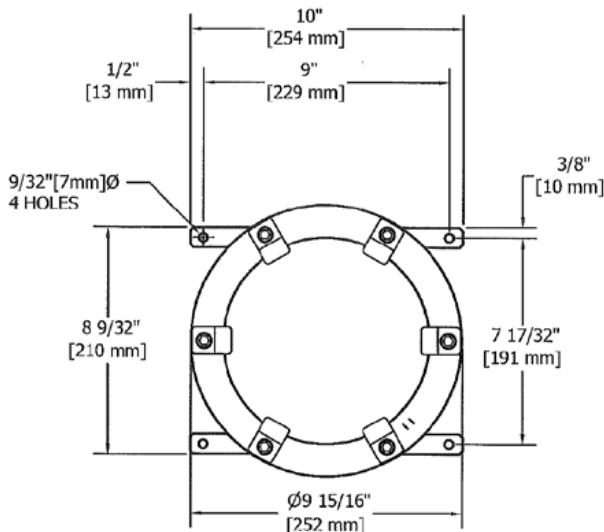
KEY FEATURES

- Several options for electronic controllers:
 - 100-240 ± 10% VAC 50-60 Hz internal controller
 - 10-30 VDC internal controller
 - External AC or DC controller, which can be remotely located up to 500 meters away
- Integrated heat pipe eliminate s need for cooling fan
- No moving parts
- Cover is tempered toughed glass, able to withstand high temperature and impact
- Base is impregnated, anodized and painted cast marine grade aluminum
- Stainless steel hardware
- Four 7mm diameter mounting holes. 229 mm (9")x 191 mm (7 17/32")
- Maximum internal power dissipation 40W

PHYSICAL SPECIFICATIONS

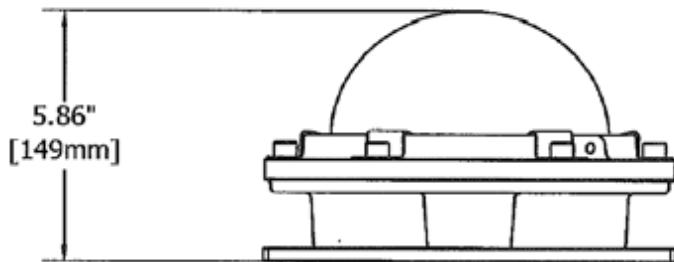
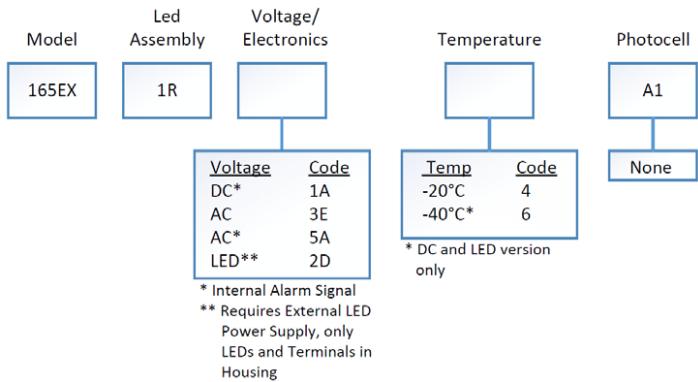
Height	149 mm (5.86")
Weight	5 kg (12 lbs.)
Input Voltage	Varies by Configuration
Power Consumption	Varies by Configuration
Available Colours	Red
Quiescent Current	Varies by Configuration
Lens Type	Tempered Glass
Visibility	CAP 168 Groups A and B; ICAO Types A and B
Monitor Control	Varies by Configuration
Synchronization	Cable
Lantern Housing	Epoxy Coated Cast Marine Grade Aluminum Base
Operating Temperature	Varies by Configuration
Ingress Rating	IP-66

**Note: For high temperature version light, the Zone 1 certificate will no longer be valid as the Zone 1 certificate will not be able to cover the high temperature range.

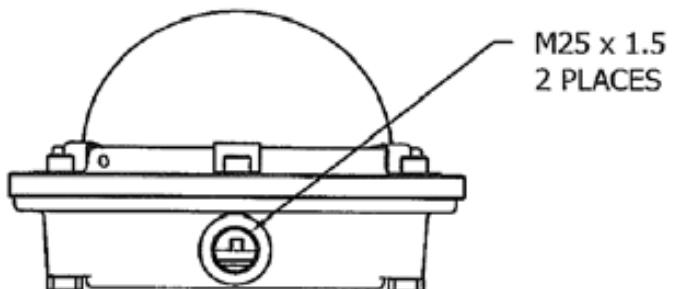


TOP VIEW

CAP168 Group A, ICAO Type A and B Aviation Light:

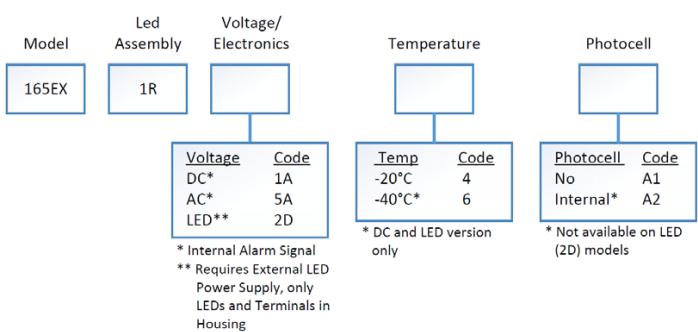


FRONT VIEW



SIDE VIEW

Low Intensity Flashing Aviation Light:



CAP168 Group B Aviation Light:

