



## FA250EX962 LED FLAMEPROOF MARINE LANTERN

The FA250EX962 Flameproof Marine Lantern is a Zone 1 rated, long range marine signaling lantern featuring the latest in LED technology. Compliant with IALA/North Sea requirements, it consists of an array of high flux LEDs mounted inside a certified flameproof transparent enclosure.

### Features

- Designed to be placed in remote locations, the lantern incorporates very long lived LEDs to minimize schedule maintenance
- Features high flux LED arrays mounted on a stainless steel, parabolic reflector; highly efficient reflector uses a state of the art dichroic hybrid spectral metal coating
- LEDs are mounted on metal core PCBs with patented integrated heat pipes to cool the LED arrays without a cooling fan
- LED array has the highest design life in the marketplace (greater than 60,000 hours)
- Materials of the FA250EX962 housing are selected to match the life of the LED contained inside
- No plastic is used in the unit
- Tempered glass cover, able to withstand high impact; base is impregnated, anodized and painted cast aluminum
- AM-11 electronic controls, which provide current limiting to the LED, flash control, monitoring output, photocell input and a synchronization terminal
- No moving parts



### Variations of Lantern

- FA250EX962-15 mile: 170 Watts LED Array providing Flashing 15-mile Morse U White Light. Average power 28W (typical).
- FA250EX962-10 mile: 20 Watts LED Array providing Flashing 10-mile Morse U White Light. Average Power 3.5W (typical).
- FA250EX962-3 mile: 5 Watts LED Array providing Flashing Morse U 3-mile Red Light. Average Power 1.0W (typical).
- FA250EX962-L864: 45 Watts LED Array that complies with ICAO Type B or Type C, Flashing or Fixed Medium Intensity Aviation Obstruction Light.

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All values mentioned in this document are typical values; Data and specifications are subject to change without notification.



**SPECIFICATIONS**

<b>Height:</b>	451mm (17 3/4")
<b>Diameter:</b>	359mm (14 1/8")
<b>Weight:</b>	15 kg (33 lbs.)
<b>Input Voltage:</b>	24 VDC; 120-240 VAC 50-60 Hz Available
<b>Power Consumption:</b>	Variable Up to 220 watts
<b>Available Colors:</b>	White, Red, Green, Amber, Blue
<b>Quiescent Current:</b>	≤ 40mA (Typical)
<b>Lens Type:</b>	Tempered Toughened Glass
<b>Visibility:</b>	360° Omnidirectional
<b>Vertical Divergence:</b>	5° to 50%**
<b>Monitor and Control:</b>	Optional
<b>Synchronization:</b>	GPS or Hard Wire (Optional)
<b>Lantern Housing:</b>	Marine Epoxy Coated Cast LM-6 Aluminum Base
<b>Operating Temperature:</b>	-20°C to +55°C (-40°C Optional)
<b>Ingress Rating:</b>	IP-67

**Certificates:**

**EC-Type Examination Certificate**  
**Certificate No.:** Intertek ITS10ATEX17118X  
 Coding: II 2 G Ex d IIB T4/5/6

**Certificate No.:** IECEx ITS 10.0040X  
 Coding: Ex d IIB T4/5/6 Tamb -20°C/-40°C to +40°C/+55°C Gb  
 (Dependent on Model)

**Certificate No.:** NCC 17.0083 X (INMETRO – Brazilian Market)  
 Coding: Ex d IIB T6...T4 Gb

**Epsilon IP Certificate Number: 04TEST1386**

\*Specifications subject to change without notice.  
 \*\* 15NM White with long mirror.

