Pharos Marine Automatic Power
Global Quality, Global Solutions

FA-250EX FLAMEPROOF MARINE LANTERN

The FA-250EX Zone 1 Lantern utilizes all the features of a standard FA-250 marine lantern with the addition of a flame-proof glass dome internal fixture to house either lamps, xenon flash tube, lampchangers, transformers or DC-DC converters in various combinations to meet the signaling performance requirements. The FA-250EX lantern system offers several advantages for offshore platform applications.

Features

▪ Variety of non-hazardous certified internals can be used due to the nature of the flameproof, IP-67 enclosure approval

▪ M20 or M25 quad cable entries remove the need for additional junction boxes

▪ Lens cover and the cast-aluminum base are the most durable and longest life system in use

▪ Smooth acrylic lens cover, the FA-250EX lantern eliminates the buildup of fillets of moisture, dust, salt spray, raindrops and other contaminants on the internal Fresnel lens prisms

▪ When fitted with an APCL-Series FLASHCHANGER®, the FA-250EX lantern becomes the most versatile product on the market

▪ Configured as a 10-mile, Morse U light, the lantern will accept an input voltage of 12, 18, 24 volts and, with an internally mounted DC-DC converter, 130VDC and operate a 12 volt, 2000 hour 35 watt tungsten halogen lamp

▪ Low maximum surface temperature of the fixture during operation; the 10-mile lantern has a maximum of 100°C (T5) at Tamb of 40°C where competing units are 200°C (T3)

▪ FA-250EX932: APCL-10 Six-place FLASHCHANGER® up to 150 watts

▪ FA-250EX952: APCL-5 Six-place FLASHCHANGER® up to 60 watts

SPECIFICATIONS

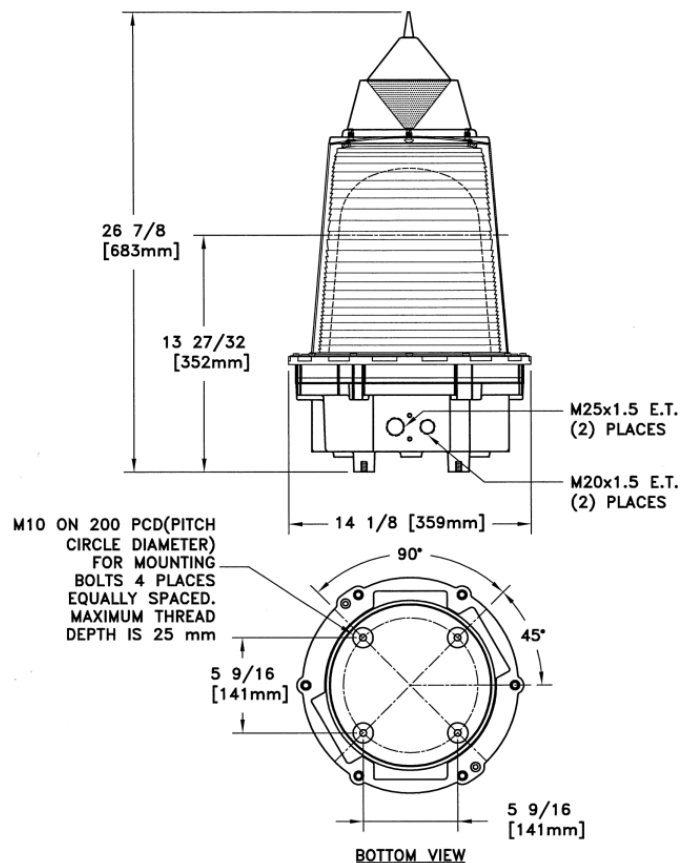|	
Height:	683mm (26 ⅞")
Diameter:	359mm (14 ⅛")
Weight:	20 kg (44 lbs.)
Input Voltage:	12, 18 or 24 Volts; 120-240 VAC 50-60 Hz Available
Power Consumption:	6 to 35 Watts
Available Colors:	White, Red, Green, Amber
Lens Type:	Tempered Toughened Glass; 250 mm 360° Visibility Acrylic Fresnel Lens; Smooth Lens Cover
Visibility:	360° Omnidirectional
Monitor and Control:	Optional
Synchronization:	Hard wire (Optional)
Lantern Housing:	Marine Epoxy Coated Cast LM-6 Aluminum Base
Operating Temperature:	-40°C to +55°C
Ingress Rating:	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

26 7/8 [683mm]

13 27/32 [352mm]

M25x1.5 E.T. (2) PLACES

M20x1.5 E.T. (2) PLACES

14 1/8 [359mm]

M10 ON 200 PCD(PITCH CIRCLE DIAMETER) FOR MOUNTING BOLTS 4 PLACES EQUALLY SPACED. MAXIMUM THREAD DEPTH IS 25 mm

90°

45°

5 9/16 [141mm]

5 9/16 [141mm]

BOTTOM VIEW

IALA

APPLICATIONS/TEMPERATURE RATING

LAMP	CANDELA	APPLICATION	AMBIENT TEMP -20 to +40°C	AMBIENT TEMP -20 to +55°C
12V 35W	1950	IALA 10-MILE	T-5	T-4
12V 6W	36	SUBSIDIARY 3-MILE RED	T-5	T-4

Colored lens filter factors--red (0.30), green (0.32) and yellow (0.58).
Standard unit rated to -20°C; -40°C version at additional expense