



CLASS A SINGLE LIFT ASSEMBLY

Pharos Marine Automatic Power's Class A Single Lift is a compact and durable assembly with FA-250LED lantern and the LIEX 710/23 2 mile sound signal. It meets or exceeds U.S. Coast Guard requirements for Class A Aids to Navigation as specified in 33 CFR Sub-part 67.

The self contained unit includes a solar power system with batteries and battery box. The solar array can be positioned in the field to ensure it faces due south.

Lantern Features

- FA-250LED lantern with 155 mm clear, red, green, yellow, or blue acrylic lens
- Extremely high flux, compact LEDs mounted on a heavy duty heat sink and enclosed inside a sealed housing; the heat sink maximizes the life of the LED array by keeping the maximum temperature of the array to less than 50°C
- Heavy duty STABRITE® system designed to maximize the life of the LED array by providing a secondary environmental enclosure independent of the lantern housing, ensuring moisture does not reduce the life of the LED
- LED array/diffuser system that approximates a marine signal lamp located at the focal point of the lens to maximize the output of the lantern in the horizontal plane with horizontal uniformity of the beam
- Smooth, protective acrylic lens cover eliminates the buildup of fillets of moisture, dust, salt spray, raindrops and other contaminants on the internal Fresnel lens prisms



Sound Signal Features

- LIEX 710/023 2 mile sound signal (LIEX 710/022 optional)
- Input voltage: 10.5-30 VDC
- Input Power to Horn: 100 Watts
- Input Power to Driver: 56 Watts
- Nominal Range: 2 Mile
- Frequency: 670 Hz / 660 Hz
- Morse code: 2-18 (10%)
- Power Supply: 12 V DC solar generator

SPECIFICATIONS

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& MANUFACTURING
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Height:	2,489 mm (98")
Weight:	350 kg (772 lbs.)
Solar Array:	90 Watt
Batteries:	30 Day Capacity for Lantern and Sound Signal; Isolated Batteries for Each Sub-system as Required by 8 TH USCG District Rules
Visibility:	Varies by Configuration
Vertical Divergence:	Varies by Configuration
Monitor and Control:	Optional
Synchronization:	Uniflash®-Series GPS Synchronizing (Optional)
Operating Temperature:	-20°C to + 55°C
Ingress Rating:	Lantern: IP-56; Sound Signal: IP-66
Certificates:	Lantern: FM Approved NI/I/2/DC/T6 Ta = 55°C/T5 Ta = 70°C/T4A Ta = 85°C NI/I/2/IIC/T6 Ta = 55°C/T5 Ta = 70°C/T4 Ta = 85°C Sound Signal: FM Approved NI/I/2/BCD/T4; -25 °C ≤Ta ≤+55 °C NI/I/2/IIB+H2/T4; -25 °C ≤Ta ≤+55 °C

*Specifications subject to change without notice.

