

FA-249801HR SELF-CONTAINED LIGHT



Pharos Marine
Automatic Power



Featuring a highly efficient Fresnel-type acrylic drum lens system, the FA-249801HR is a rugged & compact marine signal lantern. It is particularly suited for applications where there is little sun.

RANGE

See the next page for example locations. Contact Automatic Power to get a complete set of tables for your location.

FLASH CHARACTERISTICS

Preset at factory to customers specifications. 255+1 special programmable position. Photocell and all selector switches are located on the top of the LED assembly and are accessible by removing the lens from the quick-release fixture.

CURRENT SETTING

Preset at factory to customer specifications. Current adjustable by the selector switch in the same way as the flash characteristics.

ELECTRONICS

- High-efficiency TracSwitcher current controls. 82% of the battery current reaches the LED array on flash. 2 milliamp idle current between flashes.
- Standard 6-volt system giving greater flexibility in selection of batteries.
- Software programmable: Photocell, 365 day timer, low voltage disconnect, special flash rhythm, specialized current settings and solar charge control voltage setting.

LENS

- 155mm 360° visibility acrylic, high efficiency Fresnel lens with an 8 degree vertical divergence. Unit may be supplied with colored lenses to enhance the daytime signaling performance.

LEDS

- State of the art high flux STABRITE LED unit. LEDs mounted in a cluster to approximate a marine signal lamp located at the focal point of the lens. Life expectancy in excess of 100,000 hours depending on current density.

BATTERY OPTIONS

- 64 Amp-Hr 6Volt battery pack or 48 Amp-Hr 6 Volt battery pack for cold climates.

CONSTRUCTION

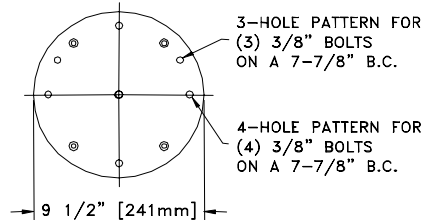
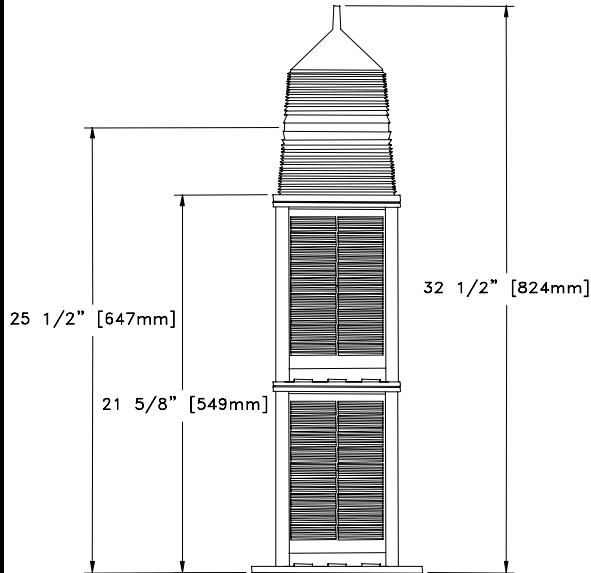
- Corrosion resistant & watertight with hydrophobic vent in the battery compartment. Extruded aluminum frame with UV & salt water resistant paint. Tamper resistant screws.
- Eight, 3.2 watt, heavy-duty tempered glass-EVA encapsulated solar modules designed for extended service in the marine environment.
- Solar charge controller included.

Patent No.: US 7,111,961 B2

Form No: 011510D



FA-249801HR SELF-CONTAINED LIGHT



WEIGHT

- With 64 Amp-Hr battery 51lb / 23kg
- With 48 Amp-Hr battery 45lb / 21kg
- With 32 Amp-Hr battery 27lb / 12 kg

Typical Performance:

Nassau, Bahamas

0.4 – 3.6 Flash Code @T=.85

	Red	Green	White	Yellow
Range mi.	6.6	6.5	5.6	5.5
Candela	87	85	54	50

0.5 – 2.0 Flash Code @T=.85

	Red	Green	White	Yellow
Range mi.	6.7	6.7	5.7	5.6
Candela	93	91	57	53

Ica, Peru

0.4 – 3.6 Flash Code @T=.74

	Red	Green	White	Yellow
Range mi.	5.3	5.2	4.6	4.5
Candela	93	91	57	53

0.5 – 2.0 Flash Code @T=.74

	Red	Green	White	Yellow
Range mi.	5.2	5.1	4.5	4.4
Candela	87	85	54	50

Moncton, Canada

0.4 – 3.6 Flash Code @T=.85

	Red	Green	White	Yellow
Range mi.	4.9	4.8	4.0	4.2
Candela	75	66	36	43

0.5 – 2.0 Flash Code @T=.85

	Red	Green	White	Yellow
Range mi.	5.2	5.1	4.5	4.4
Candela	87	85	54	50

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