

FA-250901 SELF-CONTAINED LIGHT



Pharos Marine
Automatic Power



The FA-250901 self contained light features a linear array very high flux LED's individually mounted in a parabolic reflector. The highly efficient reflector uses a state of the art dichroic hybrid spectral metal coating. The LED's are mounted on specially designed heat sinks to keep the temperature of the LED below 50°C to assure the design life of 50,000 hours. The exterior is the standard FA-250 precision molded cover. The FA-250901 is a rugged and compact marine signal lantern. It is particularly suited for high latitude applications or combined light/AIS transponder applications.

LIGHT RANGE

Contact Automatic Power to get a complete set of tables for your location.

FLASH CHARACTERISTICS

255 flash code preset at factory to customer's specifications plus 1 special programmable position. 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

15 fixed levels plus 1 programmable level. Preset at factory to customer specifications. Current adjustable by the selector switch in the same way as the flash characteristics. Uniflash ready, can be fitted with Uniflash-3A for world wide synchronization. Uniflash-3A has only negligible impact on battery usage.

ELECTRONICS

- High-efficiency TracSwitcher current controls. 82% of the battery current reaches the LED array on flash. 2 milliamp idle current between flashes.
- Standard 12-volt system giving greater flexibility in selection of batteries.
- Software programmable: Photocell thresholds, special flash rhythm, specialized current settings and solar charge control voltage setting.

LENS

- 250 mm 360° visibility clear Lexan cover. Unit may be supplied with colored lenses to enhance the daytime signaling performance.

LEDS

- State of the art high flux LEDs mounted in a parabolic reflector. Four reflectors are mounted back to back to provide a 360 degree signal. Life expectancy in excess of 100,000 hours depending on current density.

BATTERY OPTIONS

- 36 Amp-Hr 12 Volt deep cycle AGM battery

ATON AIS TRANSPONDER

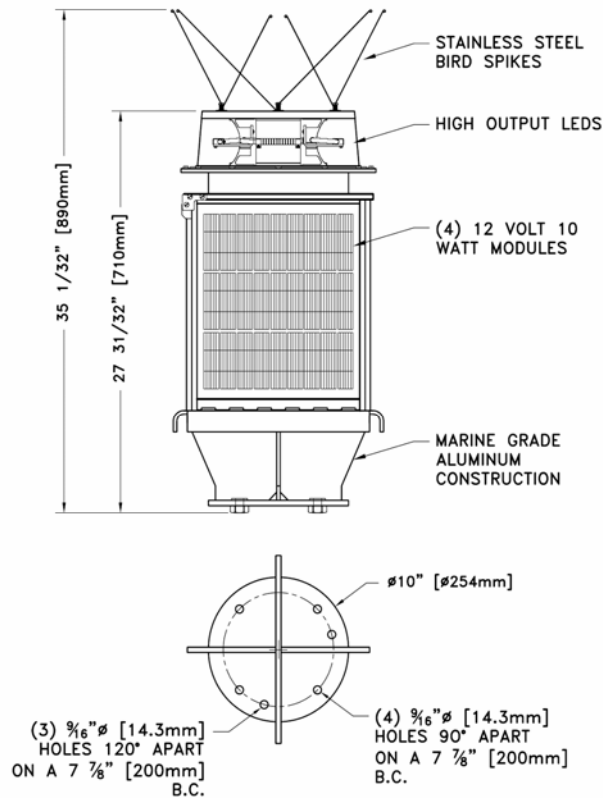
- Configured to house the type 1/type3 ATONIS AIS transponder as an optional item. May also be used without light for ATONIS only applications.

CONSTRUCTION

- Corrosion resistant & watertight with hydrophobic vent in the battery compartment. Extruded aluminum frame with UV & salt water resistant paint. Tamper resistant screws.
- Four, 10 watt, heavy-duty tempered glass-EVA encapsulated solar modules designed for extended service in the marine environment.
- Solar charge controller includes dissipation less regulation of the solar modules with blocking diodes and fuses.



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