

# FA-85801

## SELF-CONTAINED LIGHT

Featuring a highly efficient fresnel-type acrylic drum lens system, the FA-85801 is a rugged & compact marine signal lantern. It is particularly suited for buoy applications.

### RANGE

Maximum 4.6 nm @ T=.74 or 5.7 nm @ T=.85 at select locations. Maximum range depends on flashing duty cycle, solar insolation at the selected location and color of the light.

### 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

- 85mm 360° visibility polycarbonate, high efficiency fresnel lens. 15 degree full width half maximum vertical divergence. Unit may be supplied with color lens 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 50,000 hours.

### BATTERY OPTIONS

- 32 Amp-Hr 6Volt battery pack or 16 Amp-Hr 6 Volt battery pack for cold climates.
- 36 Amp-Hr 6 Volt battery pack. Suited for warm climate only.

### CONSTRUCTION

- Corrosion resistant & watertight with hydrophobic vent on the battery compartment. Extruded aluminum frame--powder coated white. Tamper resistant screws.
- Four, 3.2 watt, heavy-duty tempered glass-EVA encapsulated solar modules designed for extended service in the marine environment.
- Solar charge controller includes dissipationless regulation of the solar modules with blocking and isolating diodes and fuses.

### MOUNTING

Three & four hole patterns on a 7 7/8 inch bolt circle. 3/8" hardware supplied.

### DIMENSIONS

Maximum weight of 35lb. Exact weight depends on battery choice. Overall dimensions: 9.5in. x 9.5in. x 23 in. including bird spike on lens.

### ACCESSORIES AVAILABLE

Quick-release system for applications where the lantern needs to be removed & installed regularly.