

FA-85801R

SELF-CONTAINED, SOLAR POWERED RUNWAY/TAXIWAY/EDGE LIGHT

Featuring a highly efficient fresnel-type acrylic drum lens system, the FA-85801R is an industrial grade runway/taxiway light suited for remote location where AC mains power is not available. This unit is the building block for a portable airway lighting system using solar power.

INTENSITY

Maximum of 60 candela in red, 62 candela in green, 35 candela in white, 36 candela in yellow and 5 candela in blue. Maximum sustainable intensity depends on flashing duty cycle and solar insolation at the selected location. Our engineers will supply a solar insolation/intensity spread-sheet specific to your location.

FLASH CHARACTERISTICS

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.

CURRENT SETTING

Hex switch selectable with 15 present current levels starting at 50 milliamps and progressing to a maximum of 350 milliamps. Current adjustable by 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 available in clear, red, green, yellow and blue. 15 degree full width half maximum vertical divergence. Unit may be supplied with colored 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 signal lamp located at the focal point of the lens. Life expectancy in excess of 50,000 hours.

BATTERY OPTIONS

- 32 Amp-Hr 6-Volt or 16 Amp-Hr 6-Volt battery pack.

CONSTRUCTION

- Corrosion resistant & watertight with hydrophobic vent on the battery compartment. Extruded aluminum frame-- powder coated white. Tamper resistant screws. Field repairable.

- Four, 3.2 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 and isolating diodes and fuses.

MOUNTING

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

DIMENSIONS

Maximum weight of 27 lb. Exact weight depends on battery choice. Overall dimensions: 9.5 in. x 9.5 in. x 23 in. including bird spike on lens. Unit also available without bird spike.