Self Contained LED Marine Lantern

Range: 3 - 6.3NM at 0.74T
Ideal for: buoys, piers, docks, jetties, marinas, fixed or floating structures

The PMAPI-SC35 is a weather protected self-contained marine lantern with an LED light source that can be combined with optional battery power or solar panels.

- Independent operation for extensive time periods
- High intensity LEDs on a metal core PCB for maximum useful life
- Flexible electronic configurations
- Use on offshore platforms, port and harbor, aquaculture, fixed or floating structures

Features:

- Configurations: SS (Standard Solar) & LS (Large Solar)
- Rugged, weather-resistant construction materials: High impact resistant polycarbonate for ice, ultraviolet exposure, salt air and seawater spray at a wide range of ambient temperatures

- High intensity, energy efficient fan beam LED array: Maximum visible range up to 7.8NM at 0.85T pending flash character in optimal conditions
- IR Remote: Powering on & off, set / retrieve configuration parameters such as flash pattern, effective intensity, day/night control, etc.
- IALA approved colors: Single color LED engine - white, yellow, red or green
- Serviceable: Battery pack is easily disconnected and replaced
- Integrated bird deterrent: No additional accessories required
- Longevity - Estimated average service life of 10 years

Performance Features:

- Intensity control: Effective lantern intensity set on Schmidt-Clausen method
- Flash character control: 256 programmable flash characters and 2 custom flash characters
- Day/Night transition level settings: Programmable for active at all times or only after sunset. Day / Night level settings (sunset / sunrise transition) can be field programmed
- Calendar control - Programmable season on/off date
- Input protection - Lantern power input from the battery is reversed polarity protected for field repair or light head replacement
- Ripple delay - 0.05 to 12.7 seconds & master/slave sync options
- Storage mode - Automatic storage mode with adjustable automatic wake up
- Programmable sleep and test modes
- Battery low voltage cutoff
- Battery voltage and internal temperature LED flashing reports, triggered by commands from the IR remote control (unit will flash 1 1 9 sequences for a 11.9 V battery for example)

- Battery voltage and internal temperature could be interrogated during day time, even when the lantern is off by the photocell control system
- Dynamic compensation circuitry for the candela low output, based on internal temperature, LED flash duration and LED color, to keep always the same programmed output intensity

Optional Features:

- GPS Synchronisation: Optional internally mounted hardware will allow the lantern to flash in-sync with other PMAPI and third party lanterns that are GPS synced
- External I/O port: Allows connection to an external monitoring device or for hardwired synchronisation to other lanterns
- Charging port: Charge / recharge the battery prior to installation