3-5NM Solar Marine Lantern
SL-75

The Sealite Advantage
• Up to 5NM visible range
• Bluetooth® programmable
• Optional GPS Synchronization
• Optional GPS monitoring
• Reliable year-round operation in low sunlight conditions
• Up to 310 Flash characters including 256 IALA Flash characters and customer definable character
• High Capacity NiMH battery for long service life & wide temperature range

The SL-75 is a next-generation solar marine lantern with up to 5NM visible range, made from tough, durable polycarbonate and utilising the latest in technology.

Bluetooth® for programming and maintenance
Completely programmable via the new Bluetooth® connected SealitePro™ mobile application, the SL-75 can be configured and monitored from a distance up to 50 meters. An inbuilt solar calculator confirms the lanterns ability to operate at the set location, ensuring optimal operating performance.

Dual High Performance Solar Modules
The SL-75 lantern boasts dual high-performance solar modules which are tilted to obtain maximum sunlight capture, allowing the unit to operate reliably in a range of low sunlight environments. The tilted solar modules are also less susceptible to fouling or snow cover.

Improve productivity and reduce risk to personnel
Time savings for maintenance work are maximised as diagnostics can be interrogated via the mobile device. Risk to maintenance personnel is greatly reduced as many maintenance tasks can be performed from the safety of a vessel or without the need to climb structures.

Optional GPS Synchronisation
The SL-75 is available with optional GPS Synchronisation. Two (2) or more lights can be synchronised to flash in unison via an internal GPS module.

Optional GSM Monitoring & Control System
The SL-75 may also be fitted with GSM Cell-Phone Monitoring and Control – enabling users to access real-time diagnostic data and change lantern settings via cell-phone. The system can also be configured to send out alarm SMS text messages to designated phone numbers. Users can also have alarms and reports sent to designated email addresses.

Meets the requirements of US Coast Guard CFR 33 PART 66 AND PART 67
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**SPECIFICATIONS**

**Light Characteristics**
- Light Source: High efficiency LED
- Available Colours: Red, Green, White, Yellow
- SL-75-7D Typical Maximum Intensity (cd)
  - Red: 98
  - Green: 104
  - White: 131
  - Yellow: 65
- SL-75-5D Typical Maximum Intensity (cd)
  - Red: 143
  - Green: 109
  - White: 183
  - Yellow: 87

**Electrical Characteristics**
- Circuit Protection: Integrated
- Nominal Voltage (VDC): 3.6
- Autonomy (days): >30 (14 hour darkness, 12.5% duty cycle)
- Temperature Range: -40 to 80°C

**Solar Characteristics**
- Solar Module Type: Multicrystalline
- Power Supply: High grade NiMH
- Battery Capacity (Ah): Standard 17.2
- Nominal Voltage (V): 3.6

**Physical Characteristics**
- Body Material: LEXAN® Polycarbonate – UV stabilized
- Lens Material: LEXAN® Polycarbonate – UV stabilized
- Lens Design: Single LED Optic
- Mounting: 3 types: 3 & 4 hole 200mm bolt pattern, 3 hole 150mm bolt pattern, 4 hole 162mm bolt pattern
- Height (mm/inches): 314 / 12.37
- Width (mm/inches): 231 / 9.1
- Mass (kg/lbs): 2.5 / 5.5
- Product Life Expectancy: Up to 12 years

**Certifications**
- IEC61000-4-3: 2010 Ed 3.2 Part 4-3. Radiated, radio-frequency, electromagnetic field immunity.
- IEC61000-4-6: 2008 Ed3.0 Part 4-6 Immunity.
- IALA: Signal colours compliant to IALA E-200-1
- ISO9001:2008
- IP68

**Options Available**
- GPS Synchronisation
- Bird Deterrent
- SL-75-5D (5 Degree divergence model)
- GSM Monitoring & Control System
- Charging Port