

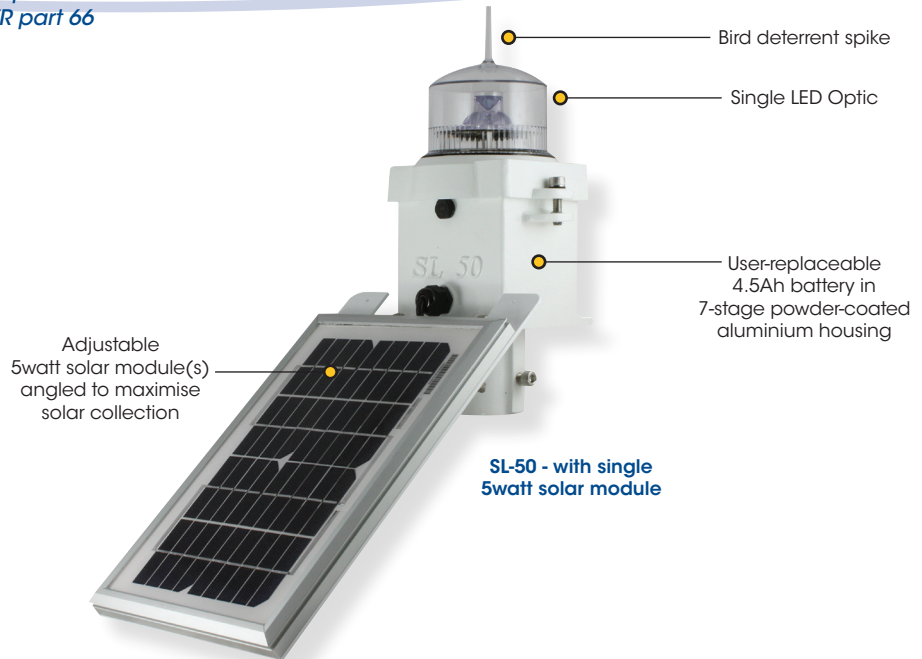
# SL-50 / SL-52

## 3-5NM+ Solar Marine Lanterns - Traditional Style

*This equipment complies with requirements of the U.S. Coast Guard in 33 CFR part 66*

**Next Generation**

Single LED Optic ...  
Brighter, more efficient



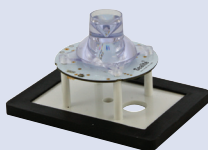
SL-50 - with single 5watt solar module

### The Sealite Advantage

- Single, high powered LED for superior light output
- Impact resistant battery housing
- >10 day autonomy
- Interchangeable LED flasher unit & replaceable lens assembly
- 256 IALA flash patterns, user-adjustable without the need for external devices



Lens assembly



Interchangeable Digital Flasher unit

### Sealite's 3-5NM+ lanterns represent a traditional approach to marine navigation, combined with the advantages of LED technology.

Boasting large, accessible battery compartments, inter-changeable LED flasher units and large external solar modules, the lanterns are ideal for heavy-duty conditions.

The modules are available in a variety of solar/battery configurations for various latitudes and duty cycles, and are fitted with either a single solar module for fixed installations, or dual solar modules for buoy mounting, allowing the unit to collect solar radiation as the buoy swings.

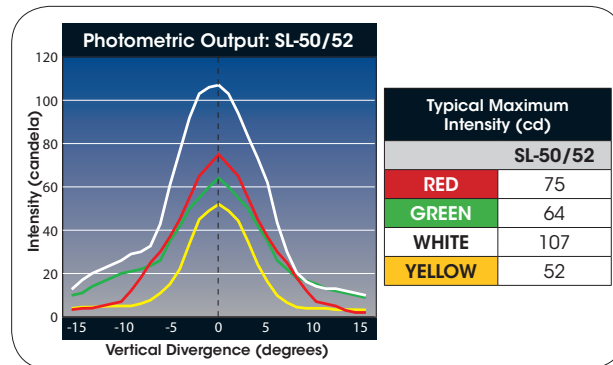
The lens assembly can be easily removed for access to the LED flasher unit. The polycarbonate lens is bonded using ultrasonic weld to a moulded circular ring. The ring is then fastened to the aluminium attachment plate using 316-grade stainless fasteners, providing a lifetime bond without the use of bonding compounds.

### Sealite's SL-50 is fitted with a single 5watt solar module, while the SL-52 model is fitted with dual 5watt panels, and 4.5Ah SLA battery, allowing the unit to operate reliably with higher duty cycles or in lower sunlight regions.

The SL-50 and SL-52 lanterns have been widely adopted by professionals in the marine sector, including ports and harbours, transport departments and coast guards.

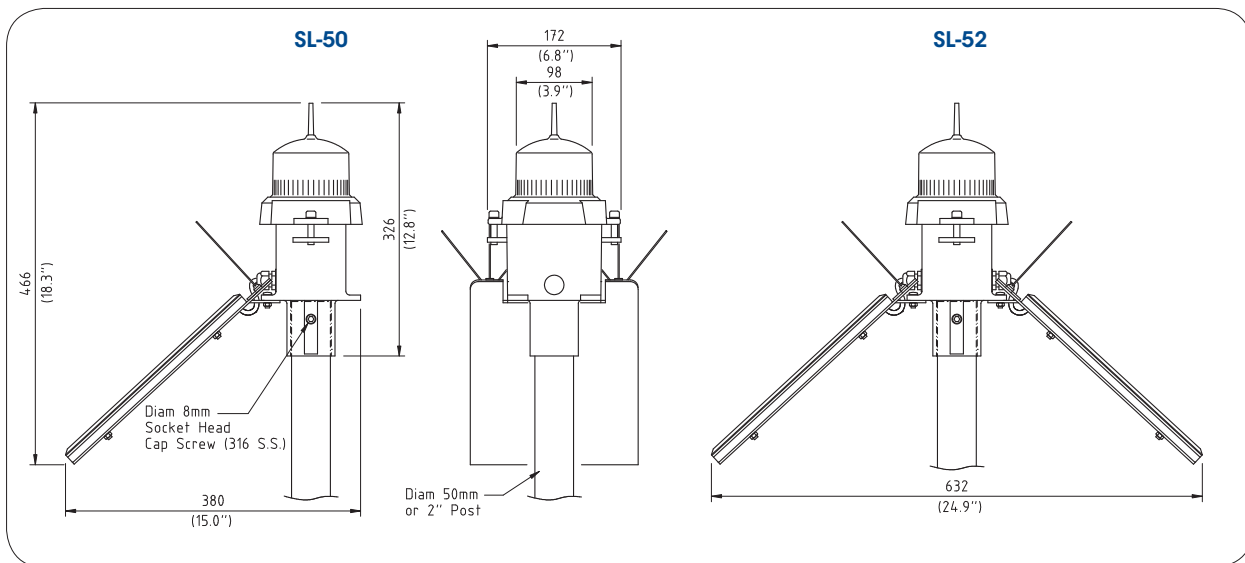
The lanterns are covered by the Sealite full 3 year warranty, and all components are replaceable, and can be purchased individually in the unlikely event of damage to the unit.

Once installed, no operator intervention is required to operate the self-contained lantern. During daylight hours the solar modules will charge the battery through an advanced switch-mode regulator incorporated into the flasher unit. The lantern will automatically begin operation at dusk - once the ambient light threshold drops sufficiently.



# SL-50 / SL-52

## 3-5NM+ Solar Marine Lanterns - Traditional Style



Pasig River Rehabilitation Project, Manila, Philippines

### SPECIFICATIONS\* \* SL-50 / SL-52

#### Light Characteristics

Light Source: 1 LED  
 Available Colours: Red, Green, White, Yellow, Blue  
 Typical Maximum Intensity (cd)†: Red - 75 Green - 64 White - 107 Yellow - 52  
 Visible Range (NM): 3-5+  
 Horizontal Output (degrees): 360  
 Vertical Divergence (degrees): 9  
 Available Flash Characteristics: Up to 256 IALA recommended (user adjustable)  
 Intensity Adjustments: Adjustable in 25% increments  
 LED Life Expectancy (hours): >100,000

#### Electrical Characteristics

Current Draw (mA): Refer to Sealite Power Calculator  
 Circuit Protection: Integrated  
 Nominal Voltage (V): 12  
 Autonomy (days): >10 (14 hour darkness, 12.5% duty cycle)  
 Temperature Range: -40 to 80°C

#### Solar Characteristics

Solar Module Type: Multicrystalline  
 Output (watts): SL-50: 5 (1 x 5watt) SL-52: 10 (2 x 5watt)  
 Charging Regulation: Microprocessor controlled

#### Power Supply

Battery Type: SLA (Sealed Lead Acid)  
 Battery Capacity (Ah): 4.5  
 Nominal Voltage (V): 12  
 Battery Service Life: Average 5 years

#### Physical Characteristics

Body Material: 7-stage powder-coated aluminium  
 Lens Material: LEXAN® Polycarbonate - UV-stabilised  
 Lens Diameter (mm/inches): 107 / 4 1/4  
 Lens Design: Single LED Optic  
 Mounting: 50mm OD pole  
 Height (mm/inches): 466 / 18 1/8  
 Width (mm/inches): SL-50: 385 / 15 1/4 SL-52: 642 / 25 1/8  
 Mass (kg/lbs): SL-50: 5 / 11 SL-52: 6.5 / 14 1/8  
 Product Life Expectancy: Up to 12 years

#### Certifications

CE: EN61000-6-3:1997. EN61000-6-1:1997  
 ISO9001:2008

#### Intellectual Property

Patents: US Pat. No. 6,667,582. AU Pat. No. 778,918  
 Trademarks: SEALITE® is a registered trademark of Sealite Pty Ltd  
 3 years

#### Warranty\*

Options Available: • 200mm bolt pattern mounting plate



\* Specifications subject to change or variation without notice  
 \* Subject to standard terms and conditions  
 † Intensity setting subject to solar availability