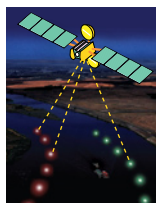


SL50 / SL52

3-4nm Self-Contained Marine Lanterns

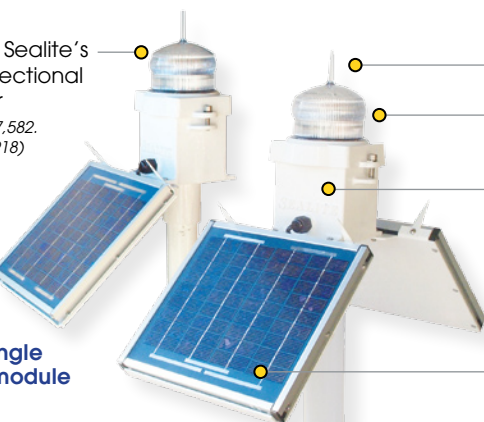
This equipment complies with requirements of the U.S. Coast Guard in 33 CFR part 66



Available with internal GPS synchronisation

LED lens and Sealite's 360° Omnidirectional LED Reflector
(US Pat. No. 6,667,582.
AU Pat. No. 778,918)

SL50- with single 5watt solar module



SL52- with dual 5watt solar modules

Bird deterrent spike

20 ultra-high intensity LEDs

User-replaceable 4.5Ah battery in 7-stage powder-coated aluminium housing

Adjustable 5watt solar modules(s) angled to maximise solar collection

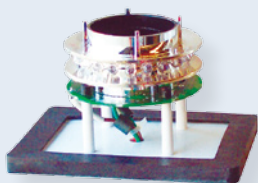
Available with optional 200mm OD mounting plate

The Sealite Advantage

- Impact resistant battery housing
- >10 day autonomy
- Interchangeable 20 LED flasher unit & replaceable lens assembly
- 256 IALA flash patterns, user-adjustable without the need for external devices
- Automatic night activation



Lens assembly



Interchangeable Digital Flasher unit

Sealite's 3-4 nautical mile lanterns represent a traditional approach to marine navigation, combined with advantages of LED technology.

Boasting large, accessible battery compartments, inter-changeable 20 LED flasher units, and large external solar modules, the lanterns are ideal for heavy-duty conditions.

The models 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 an ultra-sonic 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 SL50 is fitted with a single 5watt solar module, while the SL52 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 SL50 and SL52 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.

Flash synchronisation is available via hard-wire.

Pasig River Rehabilitation Project, Manila, Philippines



Head Office:
Sealite Pty Ltd
AUSTRALIA

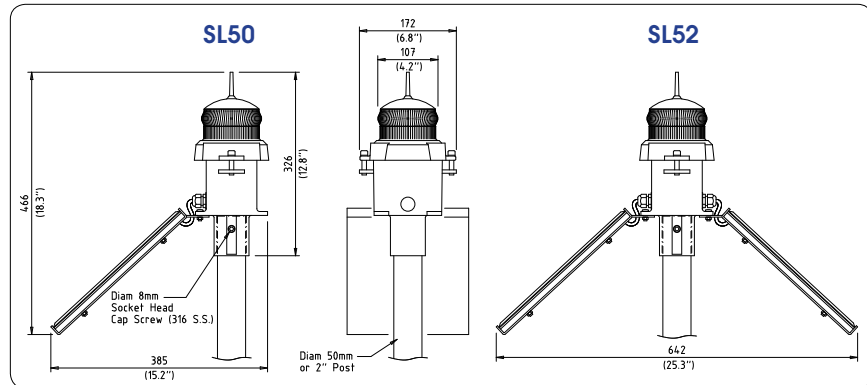
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SL50 / SL52

3-4nm Self-Contained Marine Lanterns



SPECIFICATIONS

Light Characteristics

Light Source	20 ultra-high intensity LEDs
Available Colours	Red, Green, White, Yellow, Blue
Peak Intensity (cd)	Red - 47 Green - 47 White - 90 Yellow - 32
Visible Range (nm)	>3
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	9
Reflector Type	Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)
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)	180 (nominal)
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)	SL50: 5 (1 x 5watt) SL52: 10 (2 x 5watt)
Solar Module Efficiency (%)	14
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	External optics with interior flute design
Mounting	50mm OD pole
Height (mm/inches)	466 / 18 3/8
Width (mm/inches)	SL50: 385 / 15 1/4 SL52: 642 / 25 1/8
Mass (kg/lbs)	SL50: 4 / 8 3/4 SL52: 4.5 / 9 7/8
Product Life Expectancy	Up to 12 years

Certifications

CE	EN61000-6-3:1997. EN61000-6-1:1997
Quality Assurance	ISO9001:2000

Intellectual Property

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

Warranty *

Options Available	Full 3 years
	• 200mm OD mounting plate
	• Hard-wire synchronisation

CE

- Specifications subject to change or variation without notice
- * Subject to standard terms and conditions



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