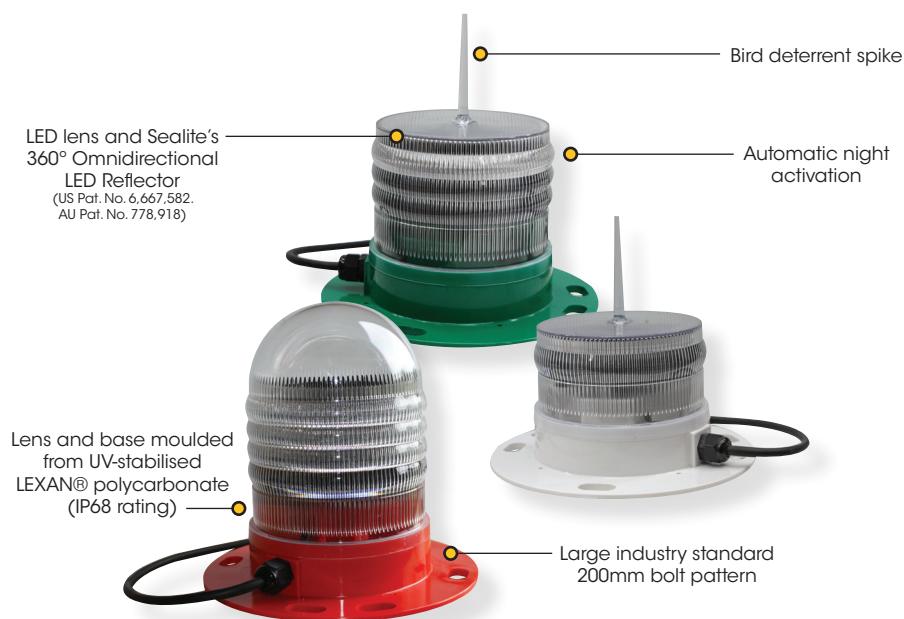
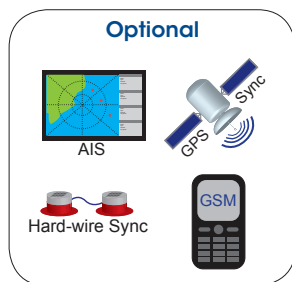


5-9NM+ Stand Alone Marine Lanterns

SL-125 Series

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



The Sealite Advantage

- Available with up to 4 tiers of ultra-high intensity LEDs for increased light intensity
- 256 user-adjustable flash characteristics
- Multiple intensity settings
- Operates in conjunction with existing or purpose-built power supplies
- Installs in minutes & operates maintenance-free
- Vertical light emissions to maintain visibility when passing adjacent to light
- IP68 waterproof

The SL-125 LED marine lantern is maintenance-free and used by many of the world's busiest ports. The lantern is available with up to 4 tiers of 36 LEDs (144 LEDs in total), for complete flexibility to suit varying applications.

Lantern Operation

The SL-125 is ideal to fit on existing structures, or can be supplied as a complete unit with external solar modules and battery compartment.

The large industry standard base, and 1 metre of included cable allows the SL-125 to be readily fitted to any 12 volt power supply.

Once installed, the SL-125 requires no operator intervention. The flash characters are easily adjusted onsite by the user, and the lantern will automatically begin operation at dusk - once the ambient light threshold drops sufficiently.

Up to 4 tiers of 36 LEDs are available to increase the light intensity of the SL-125 unit.

The SL-125-2, SL-125-3 and SL-125-4 have 72, 108 and 144 LEDs respectively.

Each LED tier utilises the Sealite Omnidirectional LED Reflector (US Pat. No. 6,667,582; AU Pat. No. 778,918) to increase the intensity and uniformity of the horizontal output.

Multiple focal points on the lens then create superior divergence specifications to suit regulations worldwide.

Optional GPS Synchronisation

For flash synchronisation of lanterns a GPS module may be fitted.

When lanterns flash in synchronisation they can be clearly distinguished from other nav aids and confusing background lighting - ideal for rivers and channel marking.

Optional GSM Monitoring & Control

The SL-C125 lantern series may also be fitted with GSM Remote Monitoring and Control capabilities - enabling users to access real-time diagnostics data and change lantern settings via cell-phone.

Optional AIS Remote Monitoring

AIS integration enables remote monitoring of the SL-125 lantern as well as crucial message 21 information to be broadcast to mariners within the region.

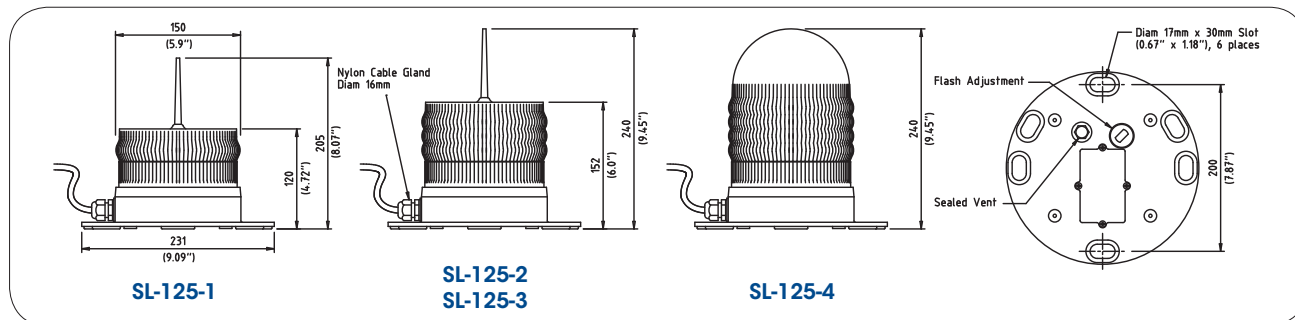
Optional Radio Control System

Radio Control may be fitted to SL-125 series products enabling users to remotely modify the setup of their lantern via handheld radio controller.

For example, the operator can remotely change between different coloured LED banks (to change the colour of the light), turn their lights ON and OFF, or change the flash setting. Perfect for remote traffic control and to designate an area of activity.

5-9NM+ Stand Alone Marine Lanterns

SL-125 Series



SPECIFICATIONS* SL-125 Series

Light Characteristics	SL-125-1: 36 ultra-high intensity LEDs SL-125-2: 72 ultra-high intensity LEDs SL-125-3: 108 ultra-high intensity LEDs SL-125-4: 144 ultra-high intensity LEDs
Light Source	Red, Green, White, Yellow, Blue
Available Colours	Refer to Typical Maximum Intensity Tables for SL-125 lanterns
Typical Maximum Intensity (cd)†	AT @ 0.74: 5-9+ AT @ 0.85: 6.3-12.5
Visible Range (NM)	360
Horizontal Output (degrees)	9 (SL-125-1, SL-125-2 & SL-125-3) 7 (SL-125-4)
Vertical Divergence (degrees)	Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)
Reflector Type	Up to 256 IALA recommended (user adjustable) Adjustable in 25% increments >100,000
Available Flash Characteristics	
Intensity Adjustments	
LED Life Expectancy (hours)	
Electrical Characteristics	Refer to Sealite Power Calculator
Current Draw (mA)	Integrated
Circuit Protection	
Nominal Voltage (V)	12
Temperature Range	-40 to 80°C
Physical Characteristics	
Body Material	LEXAN® Polycarbonate - UV-stabilised
Lens Material	LEXAN® Polycarbonate - UV-stabilised
Lens Diameter (mm/inches)	150 / 5 7/8
Lens Design	External optics with interior flute design
Mounting	3 & 4 hole 200mm bolt pattern
Height (mm/inches)	SL-125-1: 205 / 8 1/8 SL-125-2: 240 / 9 1/2 SL-125-3: 240 / 9 1/2 SL-125-4: 240 / 9 1/2
Width (mm/inches)	231 / 9 1/8
Mass (kg/lbs)	From 1.1 / 2 3/8
Product Life Expectancy	Up to 12 years
Certifications	
CE	EN61000-6-3:2001. EN61000-6-1:2001. EN55022. EN61000-4-2:1995. EN61000-4-3:2002 USCG specification HSCG23-05-R-E43013, including Change 1.
IALA	Signal colours compliant to IALA E-200-1
Quality Assurance	ISO9001:2008
Waterproof	IP68
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*	3 years
Options Available	<ul style="list-style-type: none"> • GPS Synchronisation • Hard-wire Synchronisation • AIS Remote Monitoring • GSM Monitoring & Control System • Additional cable • 10 degree lens (SL-125-1)

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

