5–9NM+ Stand Alone Marine Lanterns
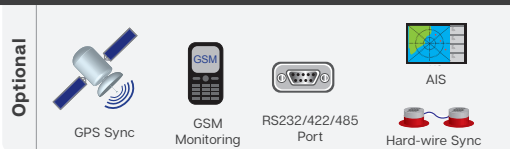
SL-125 Series

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

Bird deterrent spike

Automatic night activation

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

Lens and base moulded from UV-stabilised LEXAN® polycarbonate (IP68 rating)

Large industry standard 200mm bolt pattern

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 navaids 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.
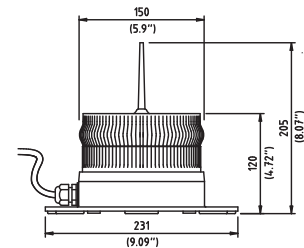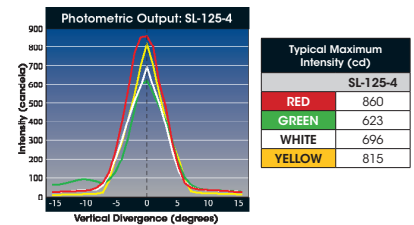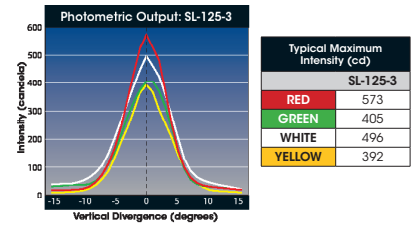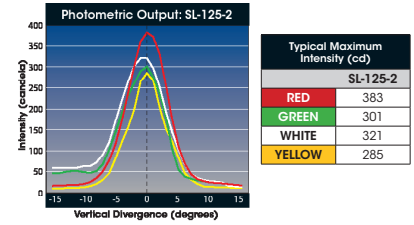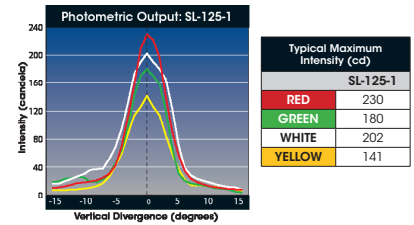
The Sealite Advantage

- 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
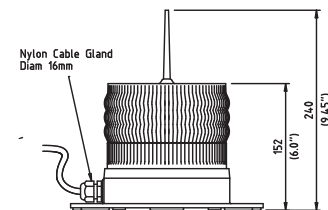- IP68 waterproof

Technical Specifications·*

SL-125 Series

Light Characteristics	
Light Source	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
Available Colours	Red, Green, White, Yellow, Blue
Typical Maximum Intensity (cd)†	Refer to Typical Maximum Intensity Tables for SL-125 lanterns
Visible Range (NM)	AT @ 0.74: 5–9+ AT @ 0.85: 6.3–12.5+
Horizontal Output (degrees)	360°
Vertical Divergence (degrees)	9 (SL-125-1, SL-125-2 & SL-125-3) 7 (SL-125-4)
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)	Refer to Sealite Power Calculator
Circuit Protection	Integrated
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)	665 / 26
Mass (kg/lbs)	From 1.1 / 2$^{3/8}$
Product Life Expectancy	12 years plus

Certifications	
CE	EN61000-6-3:2007, A1:2011, AC:2012
IALA	Signal colours compliant to IALA E-200-1
Quality Assurance	ISO 9001:2015
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-year warranty

Options Available

· GPS Synchronisation
· Hard-wire Synchronisation
· AIS Remote Monitoring
· GSM Monitoring & Control System
· Additional cable
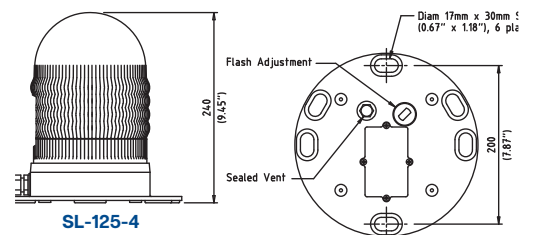· 10 degree lens (SL-125-1)
· IR Remote

Photometric Output

Photometric Output: SL-125-1

Typical Maximum Intensity (cd)	
	SL-125-1
RED	230
GREEN	180
WHITE	202
YELLOW	141

Photometric Output: SL-125-2

Typical Maximum Intensity (cd)	
	SL-125-2
RED	383
GREEN	301
WHITE	321
YELLOW	285

Photometric Output: SL-125-3

Typical Maximum Intensity (cd)	
	SL-125-3
RED	573
GREEN	405
WHITE	496
YELLOW	392

Photometric Output: SL-125-4

Typical Maximum Intensity (cd)	
	SL-125-4
RED	860
GREEN	623
WHITE	696
YELLOW	815

SL-125-1

SL-125-2 & SL-125-3

SL-125-4

We believe technology improves navigation™