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.

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.

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
**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
- SL-125-1: 70 cd
- SL-125-2: 140 cd
- SL-125-3: 210 cd
- SL-125-4: 280 cd

**Visible Range (NM)**
- SL-125-1: 5–9+ NM
- SL-125-2: 6.3–12.5 NM

**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 / 8-11/16
- 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**

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

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*Specifications subject to change or variation without notice

† Subject to standard terms and conditions

‡ Intensity setting subject to solar availability

**Photometric Output:**

**SL-125-1**

- **RED**: 210 cd
- **GREEN**: 140 cd
- **WHITE**: 202 cd
- **YELLOW**: 141 cd

**SL-125-2**

- **RED**: 383 cd
- **GREEN**: 301 cd
- **WHITE**: 321 cd
- **YELLOW**: 285 cd

**SL-125-3**

- **RED**: 573 cd
- **GREEN**: 405 cd
- **WHITE**: 496 cd
- **YELLOW**: 392 cd

**SL-125-4**

- **RED**: 860 cd
- **GREEN**: 623 cd
- **WHITE**: 815 cd

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