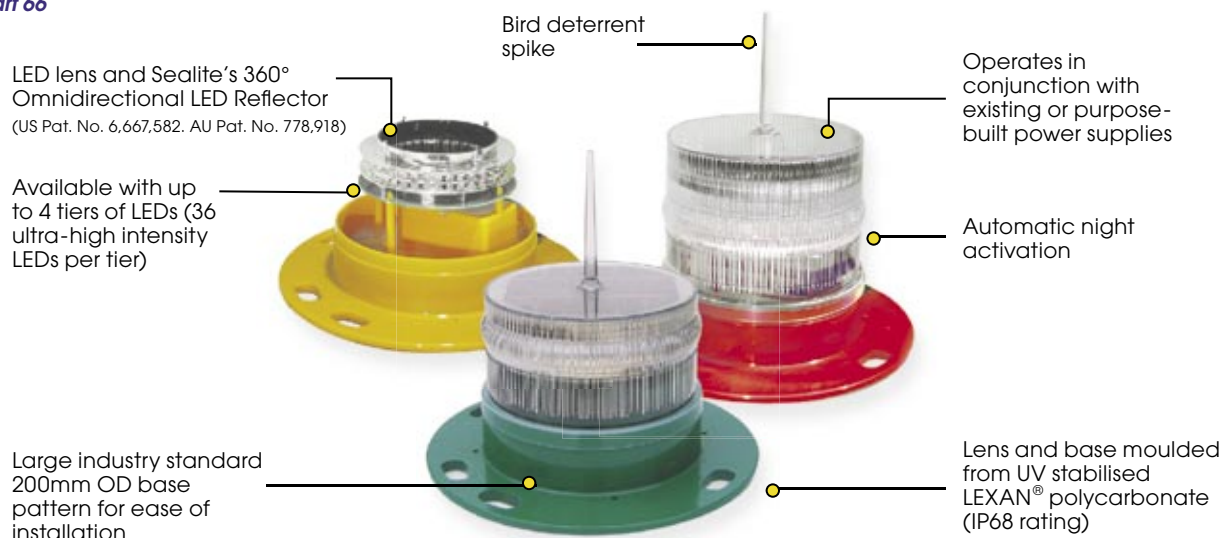


SL125 5nm-7nm LED Lantern Series

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



The Sealite Advantage

- 5-7 nautical mile range
- Red, green, yellow, white or blue
- 256 user-adjustable flash characteristics
- 4 adjustable intensity settings
- Bird deterrent spike
- Installs in minutes and operates maintenance-free
- IP68 waterproof

The SL125-2 is United States Coast Guard approved for use on Class "A" structures.

The SL125 LED marine lantern is maintenance-free and used by many of the world's busiest ports, and largest militaries.

SL125 Technology

The SL125 is the most advanced LED marine lantern on the market. Utilising the latest software and microcircuitry developments, the lantern boasts a huge number of features including flash-memory and the most efficient power conversion available.

The tough polycarbonate lens is specifically designed for use with LEDs, and incorporates an environment-friendly spike - deterring unwelcome bird life.

The unit is sealed using polycarbonate bonding compounds similar to those used by major automobile manufacturing companies. This also enables a waterproof rating of IP68 - unmatched by other manufacturers.

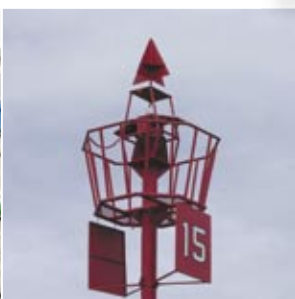
Lantern Operation

The SL125 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 SL125 to be readily fitted to any 12 volt power supply.

Once installed, the SL125 requires no operator intervention. The flash characters are easily adjusted on-site by the user, and the lantern will automatically begin operation at dusk - once the ambient light threshold drops sufficiently.

SL125, Brazil installation



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SL125 5nm-7nm LED Lantern Series



Up to 4 tiers of 36 LEDs are available to increase the light intensity of the SL125 unit.

The SL125-2, SL125-3 and SL125-4 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.

Remote monitoring and control capabilities are available from the SL125 lantern allowing the performance of the units to be monitored from remote sites.

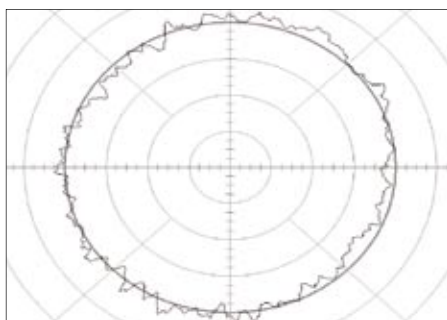
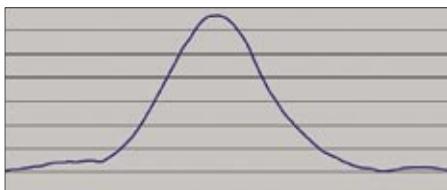
Systems status including battery condition, flash characters, operational confirmation and lantern/buoy position may be monitored through radio or satellite communications.

The SL125 4-Tier lantern utilises a unique heat-dissipating domed lens to achieve maximum LED intensity output over a wider range of environmental conditions.

In addition, each LED array incorporates temperature control mechanisms to ensure maximum operational performance.



SL125-4



Typical vertical divergence and omnidirectional light output of Sealite's SL125 lantern series

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SPECIFICATIONS •

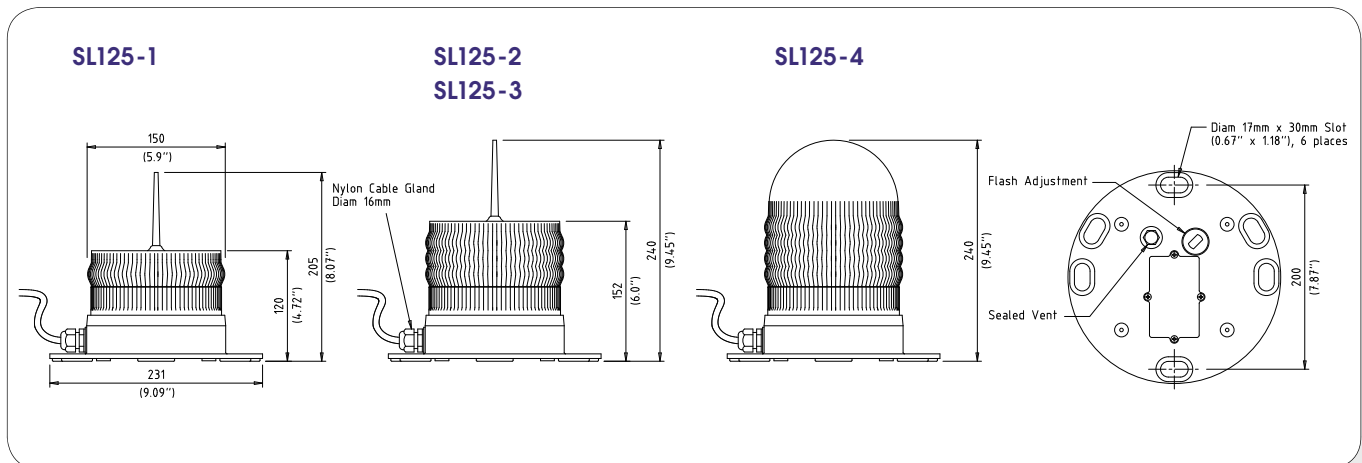
Model	Description	Peak Intensity (cd)	Colour	LEDs	Power (Amp/hour)	Voltage
SL125-1.R	1 Tier LED Marine Lantern	87	RED	36	0.420	12v
SL125-1.G	1 Tier LED Marine Lantern	86	GREEN	36	0.320	12v
SL125-1.W	1 Tier LED Marine Lantern	136	WHITE	36	0.320	12v
SL125-1.Y	1 Tier LED Marine Lantern	65	YELLOW	36	0.420	12v
SL125-2.R	2 Tier LED Marine Lantern	169	RED	72	0.840	12v
SL125-2.G	2 Tier LED Marine Lantern	168	GREEN	72	0.640	12v
SL125-2.W	2 Tier LED Marine Lantern	264	WHITE	72	0.640	12v
SL125-2.Y	2 Tier LED Marine Lantern	125	YELLOW	72	0.840	12v
SL125-3.R	3 Tier LED Marine Lantern	252	RED	108	1.280	12v
SL125-3.G	3 Tier LED Marine Lantern	249	GREEN	108	0.960	12v
SL125-3.W	3 Tier LED Marine Lantern	387	WHITE	108	0.960	12v
SL125-3.Y	3 Tier LED Marine Lantern	182	YELLOW	108	1.280	12v
SL125-4.R	4 Tier LED Marine Lantern	332	RED	144	1.700	12v
SL125-4.G	4 Tier LED Marine Lantern	329	GREEN	144	1.280	12v
SL125-4.W	4 Tier LED Marine Lantern	519	WHITE	144	1.280	12v
SL125-4.Y	4 Tier LED Marine Lantern	280	YELLOW	144	1.700	12v

• Specifications subject to change or variation without notice

Intensity (cd)	Range (nm) AT=0.74	Range (nm) AT=0.85
1	1.0	1.1
5	2.0	2.3
15	3.0	3.5
25	3.6	4.3
35	4.0	4.8
55	4.6	5.7
65	4.8	6.0
75	5.0	6.2
90	5.3	6.7
110	5.5	7.1
130	5.8	7.4
150	6.0	7.8
170	6.2	8.1
200	6.5	8.5
270	7.0	9.3
300	7.2	9.6
360	7.5	10.0



SL125 5nm-7nm LED Lantern Series



SPECIFICATIONS •

Light Characteristics Light Source

Available Colours
Peak Intensity (cd)
Visible Range (nm)
Horizontal Output (degrees)
Vertical Divergence (degrees)
Reflector Type
Available Flash Characteristics
Intensity Adjustments
LED Life Expectancy (hours)

Electrical Characteristics

Current Draw (mA)
Circuit Protection
Operating Voltage (v)

Physical Characteristics

Body Material
Lens Material
Lens Diameter (mm/inches)
Lens Design
Mounting
Height (mm/inches)

Width (mm/inches)
Mass (kg/lbs)
Product Life Expectancy

Certifications

CE

Quality Assurance
Waterproof

Intellectual Property

Patents
Trademarks

Warranty

Options Available

SL125-1 (36 ultra-high intensity LEDs)
SL125-2 (72 ultra-high intensity LEDs)
SL125-3 (108 ultra-high intensity LEDs)
SL125-4 (144 ultra-high intensity LEDs)
Red, Green, White, Yellow, Blue
Refer to table on page 32
5-7
360
9
Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)
Up to 256 IALA recommended (user adjustable)
Adjustable in 25% increments
100,000

Refer to table on page 32
Integrated
12

LEXAN® Polycarbonate – UV stabilised
LEXAN® Polycarbonate – UV stabilised
150 / 5⁷/₈
External optics with interior flute design
200mm OD base pattern
SL125-1: 205 / 8¹/₈
SL125-2: 240 / 9¹/₂
SL125-3: 240 / 9¹/₂
SL125-4: 240 / 9¹/₂
231 / 9¹/₈
From 0.8 / 1³/₄
Up to 12 years

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.
ISO9001:2000
IP68

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

3 years

- Hard wire or GPS synchronisation
- Additional cable
- Remote monitoring capabilities

CE

• Specifications subject to change or variation without notice

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