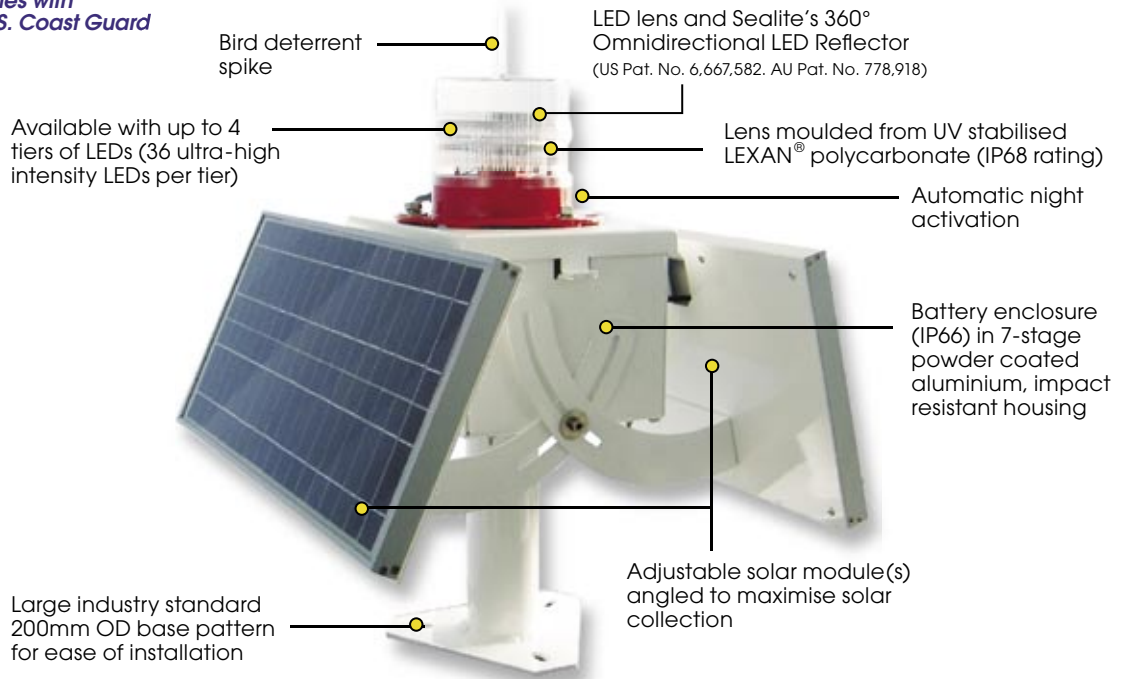
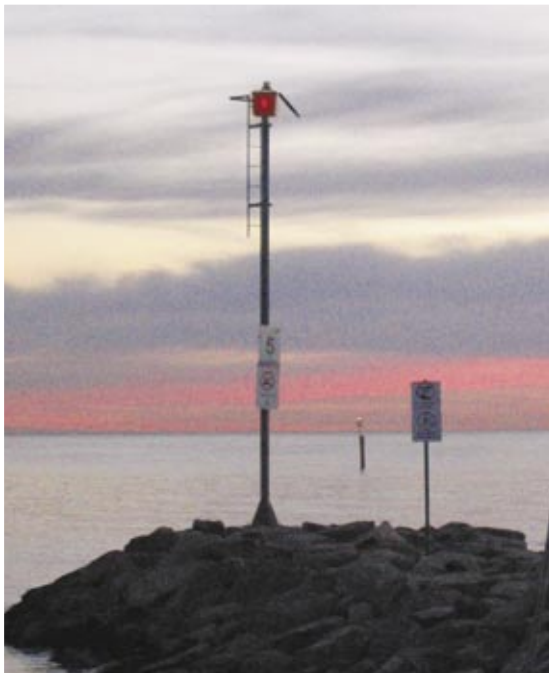


SL125/C Complete Lantern Assembly

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



Patterson River, Australia



The SL125/C Complete Lantern Assembly provides a complete solution for visual navigation requirements.

The SL125/C offers unique flexibility, and is available in varying configurations to suit a range of installation and intensity requirements.

The powder-coated 3mm aluminium housing is laser-cut, and robotically folded for guaranteed precision every time.

One or two 20watt solar module(s) are fitted as standard, and the unit can be readily equipped with up to two individual 40watt modules to power longer-range requirements or ancillary equipment.

A modular design, all components of the system are replaceable in the unlikely event of damage to the unit.

The battery is accessed through the top of the lantern assembly, via a robust swing-hinge.

Access to the user-adjustable flash and intensity settings is also achieved through this design.

The solar modules are extendable to 51 degrees as standard, with the option to increase in equatorial regions.

SL125-1/C-1	SL125 1-Tier. Complete Lantern Assembly. Single 20w Solar Module.
SL125-1/C-2	SL125 1-Tier. Complete Lantern Assembly. Dual 20w Solar Modules.
SL125-2/C-1	SL125 2-Tier. Complete Lantern Assembly. Single 20w Solar Module.
SL125-2/C-2	SL125 2-Tier. Complete Lantern Assembly. Dual 20w Solar Modules.
SL125-3/C-1	SL125 3-Tier. Complete Lantern Assembly. Single 40w Solar Module.
SL125-3/C-2	SL125 3-Tier. Complete Lantern Assembly. Dual 40w Solar Modules.
SL125-4/C-1	SL125 4-Tier. Complete Lantern Assembly. Single 40w Solar Module.
SL125-4/C-2	SL125 4-Tier. Complete Lantern Assembly. Dual 40w Solar Modules.

Eg. SL125-1/C-1/R-GPS:

Denotes SL125 1-Tier. Complete Lantern Assembly. Single Solar Module. RED. GPS Synchronised.



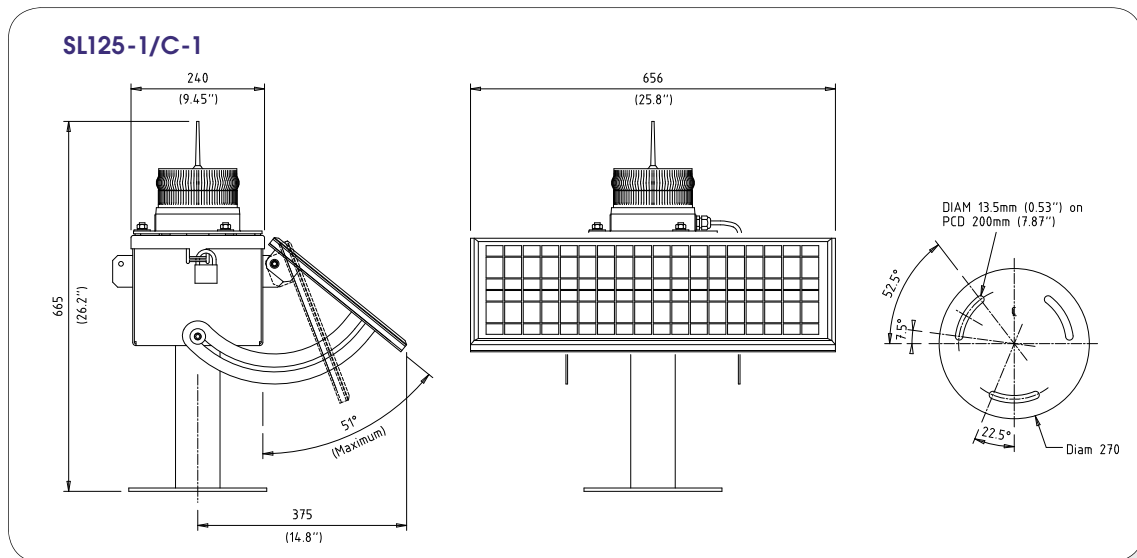
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SL125/C Complete Lantern Assembly



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)

SL125 Series LED Lantern
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

Electrical Characteristics

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

Refer to table on page 32
Reverse polarity
12
>20 (14 hour darkness, 12.5% duty cycle)

Solar Characteristics

Solar Module Type
Output (watts)

Solar Module Efficiency (%)
Charging Regulation

Multicrystalline
20 (SL125-1 and SL125-2 configurations)
40 (SL125-3 and SL125-4 configurations)
14
Microprocessor controlled

Power Supply

Battery Type
Battery Capacity (Ah)
Nominal Voltage (v)

SLA (Sealed Lead Acid)
24
12

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

7-stage powder-coated aluminium
LEXAN® Polycarbonate – UV stabilised
150 / 5⁷/₈
External optics with interior flute design
200mm OD base pattern
From 665 / 26¹/₄
656 / 25³/₄
From 18 / 39⁵/₈
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.
ISO9001:2000
IP68 light-head. IP66 battery compartment

Quality Assurance
Waterproof

Intellectual Property

Patents
Trademarks

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

Warranty

Options Available

3 years

- Single or dual solar module(s)
- Hard wire or GPS synchronisation
- Remote monitoring capabilities

CE

• Specifications subject to change or variation without notice

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