3-5NM Solar Marine Lantern

SI -75

Standard













Lens and base moulded

polycarbonate



Dual internal high-performance

solar modules

The SL-75 is a next-generation solar marine lantern with up to 5NM visible range, made from tough, durable polycarbonate and utilising the latest in technology.

Bluetooth® for programming and maintenance

Completely programmable via the new Bluetooth® connected SealitePro™ mobile application, the SL-75 can be configured and monitored from a distance up to 50 meters. An inbuilt solar calculator confirms the lanterns ability to operate at the set location, ensuring optimal operating performance.

Dual High Performance Solar Modules

The SL-75 lantern boasts dual high-performance solar modules which are tilted to obtain maximum sunlight capture, allowing the unit to operate reliably in a range of low sunlight environments. The tilted solar modules are also less susceptible to fouling or snow cover.

Improve productivity and reduce risk to personnel

Time savings for maintenance work are maximised as diagnostics can be interrogated via the mobile device. Risk to maintenance personnel is greatly reduced as many maintenance tasks can be performed from the safety of a vessel or without the need to climb structures.

Optional GPS Synchronisation

The SL-75 is available with optional GPS Synchronisation. Two (2) or more lights can be synchronised to flash in unison via an internal GPS module.

Optional GSM Monitoring & Control System

The SL-75 may also be fitted with GSM Cell-Phone Monitoring and Control - enabling users to access real-time diagnostic data and change lantern settings via cell-phone. The system can also be configured to send out alarm SMS text messages to designated phone numbers. Users can also have alarms and reports sent to designated email addresses.





SealitePro™app



Advantage

- Up to 310 Flash characters including 256 IALA Flash characters and customer definable character
- Up to 5NM visible range



Reliable

Singapore

- High Capacity NiMH battery for long service life & wide temperature range
- Reliable year-round operation in low sunlight conditions
- Bluetooth® for programming and maintenance via SealitePro™ app



Optional Add Ons

- **GPS** Synchronisation
- **GSM Cell-Phone Monitoring**













Intellectual Property

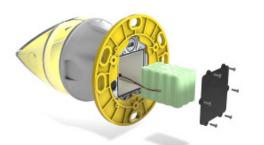
Trademarks

Warranty *

Technical Specifications **

Light Characteristics Light Source Available Colours SL-75-7D Typical Maximum Intensity (cd) SL-75-5D Typical Maximum Intensity (cd) Red - 98 Green - 104 White - 131 Yellow - 65 SL-75-5D Typical Maximum Intensity (cd) Red - 143 Green - 109 White - 183 Yellow - 87 Visable Range (NM/km) 3-5 / 5.5 - 9 Horizontal Output (degrees) 360 Vertical Divergence (degrees) Available Flash Characteristics 130 plus custom character Intensity Adjustments Multiple intensity settings LED Life Expectancy (hours) Flectrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range -40 to 80°C Solar Characteristics Solar Module Type Monocrystalline Output (watts) Power Supply Battery Type High grade NiMH Battery Type Battery Capacity (Ah) - Standard 17.2
Light Source Available Colours Red, Green, White, Yellow, Blue SL-75-7D Typical Maximum Intensity (cd) Red - 98 Green - 104 White - 131 Yellow - 65 SL-75-5D Typical Maximum Intensity (cd) Red - 143 Green - 109 White - 183 Yellow - 87 Visable Range (NM/km) 3-5 / 5.5 - 9 Horizontal Output (degrees) 360 Vertical Divergence (degrees) Available Flash Characteristics Intensity Adjustments LED Life Expectancy (hours) LED Life Expectancy (hours) Flectrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range 30 (14 hour darkness, 12.5% duty cycle) -40 to 80°C Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type High grade NiMH
Light Source Available Colours Red, Green, White, Yellow, Blue SL-75-7D Typical Maximum Intensity (cd) Red - 98 Green - 104 White - 131 Yellow - 65 SL-75-5D Typical Maximum Intensity (cd) Red - 143 Green - 109 White - 183 Yellow - 87 Visable Range (NM/km) 3-5 / 5.5 - 9 Horizontal Output (degrees) 360 Vertical Divergence (degrees) Available Flash Characteristics Intensity Adjustments LED Life Expectancy (hours) LED Life Expectancy (hours) Flectrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range 30 (14 hour darkness, 12.5% duty cycle) -40 to 80°C Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type High grade NiMH
Available Colours SL-75-7D Typical Maximum Intensity (cd) SL-75-5D Typical Maximum Intensity (cd) SL-75-5D Typical Maximum Intensity (cd) Red - 98 Green - 104 White - 131 Yellow - 65 SL-75-5D Typical Maximum Intensity (cd) Red - 143 Green - 109 White - 183 Yellow - 87 Visable Range (NM/km) 3-5 / 5.5 - 9 Horizontal Output (degrees) 360 Vertical Divergence (degrees) 7.5 (standard) / 5 (optional) Available Flash Characteristics 310 plus custom character Intensity Adjustments Multiple intensity settings LED Life Expectancy (hours) Flectrical Characteristics Circuit Protection Integrated Nominal Voltage (VDC) 3.6 Autonomy (days) 3.0 (14 hour darkness, 12.5% duty cycle) Temperature Range -40 to 80°C Solar Characteristics Solar Module Type Monocrystalline Output (watts) Power Supply Battery Type High grade NiMH
SL-75-5D Typical Maximum Intensity (cd) Red - 143 Green - 109 White - 183 Yellow - 87 Visable Range (NM/km) Horizontal Output (degrees) Vertical Divergence (degrees) Available Flash Characteristics Intensity Adjustments LED Life Expectancy (hours) Electrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range July 18 Autonomy (adys) Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type Menorystalline High grade NiMH
Visable Range (NM/km) Horizontal Output (degrees) Wertical Divergence (degrees) Available Flash Characteristics Intensity Adjustments LED Life Expectancy (hours) Electrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type 360 7.5 (standard) / 5 (optional) Alto (potional)
Horizontal Output (degrees) Vertical Divergence (degrees) Available Flash Characteristics Intensity Adjustments LED Life Expectancy (hours) Electrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type Monocrystalline 7.5 (standard) / 5 (optional) All
Vertical Divergence (degrees) Available Flash Characteristics Intensity Adjustments LED Life Expectancy (hours) LED Life Expectancy (hours) Flectrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range Jolan Characteristics Solar Module Type Output (watts) Power Supply Battery Type Monocrystalline J10 (pot pot on an analysis) 7.5 (standard) / 5 (optional) 8.6 (Autoromy settings 100,000 Integrated Non,000 100
Available Flash Characteristics Intensity Adjustments LED Life Expectancy (hours) LED Life Expectancy (hours) Electrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range Jolan Characteristics Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type Multiple intensity settings Multiple intensity settings Autonomy Autonomy Integrated None Solo Solo Solo Solo Solo Solo Solo Sol
Intensity Adjustments LED Life Expectancy (hours) Electrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type Multiple intensity settings Autologo 100,000 Integrated 3.6 Autonomy (days) 3.6 40 to 80°C Solor Characteristics Monocrystalline 5 (2 x 2.5watt) High grade NiMH
LED Life Expectancy (hours) >100,000 Electrical Characteristics Circuit Protection Integrated Nominal Voltage (VDC) 3.6 Autonomy (days) >30 (14 hour darkness, 12.5% duty cycle) Temperature Range -40 to 80°C Solar Characteristics Solar Module Type Monocrystalline Output (watts) 5 (2 x 2.5watt) Power Supply Battery Type High grade NiMH
Electrical Characteristics Circuit Protection Nominal Voltage (VDC) Autonomy (days) Temperature Range -40 to 80°C Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type Integrated Integrated Noncrystalline -40 to 80°C Monocrystalline 5 (2 x 2.5watt) High grade NiMH
Circuit Protection Integrated Nominal Voltage (VDC) 3.6 Autonomy (days) >30 (14 hour darkness, 12.5% duty cycle) Temperature Range -40 to 80°C Solar Characteristics Solar Module Type Monocrystalline Output (watts) 5 (2 x 2.5watt) Power Supply Battery Type High grade NiMH
Nominal Voltage (VDC) Autonomy (days) >3.6 >30 (14 hour darkness, 12.5% duty cycle) Temperature Range -40 to 80°C Solar Characteristics Solar Module Type Monocrystalline Output (watts) 5 (2 x 2.5watt) Power Supply Battery Type High grade NiMH
Autonomy (days) Temperature Range -40 to 80°C Solar Characteristics Solar Module Type Output (watts) Power Supply Battery Type Monocrystalline
Temperature Range -40 to 80°C Solar Characteristics Solar Module Type Monocrystalline Output (watts) 5 (2 x 2.5watt) Power Supply Battery Type High grade NiMH
Solar Characteristics Solar Module Type Monocrystalline Output (watts) 5 (2 x 2.5watt) Power Supply Battery Type High grade NiMH
Solar Module Type Output (watts) Power Supply Battery Type Monocrystalline 5 (2 x 2.5watt) High grade NiMH
Output (watts) 5 (2 x 2.5watt) Power Supply Battery Type High grade NiMH
Power Supply Battery Type High grade NiMH
Battery Type High grade NiMH
Battery Capacity (Ah) - Standard 17.2
Battery Capacity (Ah) - Large 21.5
Nominal Voltage (V) 3.6
Physical Characteristics
Body Material LEXAN® Polycarbonate – UV stabilized
LEXAN® Polycarbonate – UV stabilized
Lens Design Single LED Optic
Mounting 3 types: 3 & 4 hole 200mm bolt pattern, 3 hole
150mm bolt pattern, 4 hole 162mm bolt pattern
Height (mm/inches) 314 / 12 3/8
Width (mm/inches) 231 / 9 ^{1/8}
Mass (lbs/kg) 5.5 / 2.5
Product Life Expectancy Up to 12 years
Certifications
FCC Part 15 Rules & ANSI C63.4: 2014. EN61000-6-2: 2005 (IEC 61000-6-2:2005) Part 6-2 Immunity. EN 61000-6-4: 2007 (IEC 61000-6-4: 2006) Electromagnetic compatibility (EMC) - Part 6-4 Emission. IEC 61000-4-2: 2008 Ed 2 Part 4-2 Electrostatic discharge immunity test. IEC 61000-4-3: 2006 Ed 3 Part 4-3. Radiated, radio-frequency, electromagnetic field immunity.
IALA Signal colours compliant to IALA E-200-1
Quality Assurance ISO9001:2015
Waterproof IP68

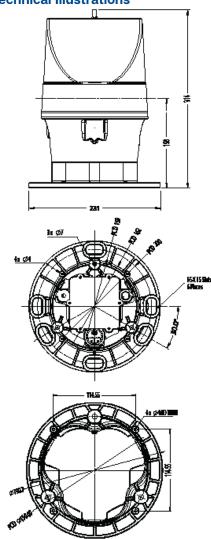
3 years



Typical Maximum Intensity (cd)		
	SL-75-7D	SL-75-5D
RED	98	143
GREEN	104	109
WHITE	131	183
YELLOW	65	87

SEALITE® is a registered trademark of Sealite Pty Ltd

Technical Illustrations



Photometric Output

