

# 1–5NM Stand Alone Marine Lanterns

SL-07 Series – SL-07LB & SL-07



The SL-07 series are LED marine lanterns designed to offer superior visibility and operate in conjunction with existing or purpose-built power supplies.

With a variable range of 1 to 5NM, a maintenance-free light source and 310 user adjustable flash codes, the SL-07 series of LED lanterns is an ideal choice for operators seeking to fit a short-range marine lantern to existing or independently designed power sources.

The lanterns feature the Sealite Single LED Optic which boasts exceptional power to light output efficiency. The tough outer polycarbonate lens incorporates an environment-friendly spike – deterring unwelcome bird life. The lens design also ensures that vessel operators clearly see the light from above, when passing the AtoN.

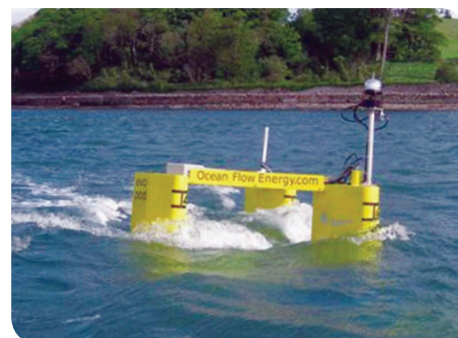
The SL-07 series comes with standard rotary switches for convenient in-field changes of flash characters and intensity selection. In addition, the unit may be provided with an IR programmer for added functionality. Programmable features include; flash code adjustment, battery diagnostics, lux adjustment and hibernation mode.

For ease of installation, the SL-07 series lanterns are available with either 4 x 6mm mounting holes (SL-07) or 3 & 4 hole 200mm bolt pattern base (SL-07LB).

## GPS Synchronisation as Standard

Sealite has utilised the latest advancements in GPS technology to develop an internal synchronisation system that is incorporated into the SL-07 series lanterns. Using overhead satellites, lights set to the same flash pattern will flash in unison.

When lanterns flash in synchronisation they can be clearly distinguished from other nav aids and confusing background lighting.



SL-07 model available with optional 4 x 6mm mounting holes

## The Sealite Advantage

- IR programmable
- Fitted with on-board GPS as standard for synchronised flashing
- 1-5 nautical mile range
- 310 user-adjustable flash characteristics
- Multiple intensity settings
- Operates in conjunction with existing or purpose-built power supplies
- IP68 waterproof
- Optional solar powered configurations available



Shown with optional solar power supplies

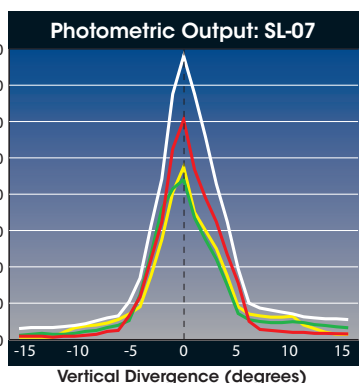
## Technical Specifications\*

	SL-07LB	SL-07
<b>Light Characteristics</b>		
Light Source	LED	LED
Available Colours	Red, Green, White, Yellow, Blue	Red, Green, White, Yellow, Blue
Typical Maximum Flashing Intensity (cd)*	Red - 121 Green - 88 White - 156 Yellow - 95	Red - 121 Green - 88 White - 156 Yellow - 95
Visible Range (NM)	AT @ 0.74: 1-5 AT @ 0.85: 1.1-6.3	AT @ 0.74: 1-5 AT @ 0.85: 1.1-6.3
Horizontal Output (degrees)	360	360
Vertical Divergence (degrees)	7	7
Available Flash Characteristics	Up to 310 IALA recommended (user adjustable)	Up to 310 IALA recommended (user adjustable)
Intensity Adjustments	Adjustable in 25% increments	Adjustable in 25% increments
LED Life Expectancy (hours)	>100,000	>100,000
<b>Electrical Characteristics</b>		
Power Consumption	Variable up to 2 watts	Variable up to 2 watts
Circuit Protection	Integrated	Integrated
Nominal Voltage (V)	12	12
Temperature Range	-40 to 80°C	-40 to 80°C
<b>Physical Characteristics</b>		
Body Material	LEXAN® Polycarbonate – UV-stabilised	LEXAN® Polycarbonate – UV-stabilised
Lens Material	LEXAN® Polycarbonate – UV-stabilised	LEXAN® Polycarbonate – UV-stabilised
Lens Diameter (mm/inches)	98 / 3 <sup>7/8</sup>	98 / 3 <sup>7/8</sup>
Lens Design	Single LED Optic	Single LED Optic
Mounting	3 & 4 hole 200mm bolt pattern	4 x 6mm mounting holes
Height (mm/inches)	181 / 7 <sup>1/8</sup>	141 / 5 <sup>1/2</sup>
Width (mm/inches)	231 / 9 <sup>1/8</sup>	136 / 5 <sup>3/8</sup>
Mass (kg/lbs)	1.1 / 2 <sup>3/8</sup>	0.4 / <sup>7</sup> / <sub>8</sub>
Product Life Expectancy	12 years plus^	12 years plus^
<b>Certifications</b>		
CE	EN61000-6-3:1997. EN61000-6-1:1997	EN61000-6-3:1997. EN61000-6-1:1997
IALA	Signal colours compliant to IALA E-200-1	Signal colours compliant to IALA E-200-1
Quality Assurance	ISO 9001:2015	ISO 9001:2015
Waterproof	IP68	IP68
<b>Intellectual Property</b>		
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd	
<b>Warranty*</b>		
3-year warranty		
<b>Options Available</b>		
<ul style="list-style-type: none"> <li>• Power supplies/systems</li> <li>• 50mm pole mount adapter plate</li> <li>• Additional cable</li> <li>• IR Programmer</li> <li>• Variety of solar/battery configurations</li> </ul>		

\* Subject to standard terms and conditions † Intensity setting subject to solar availability

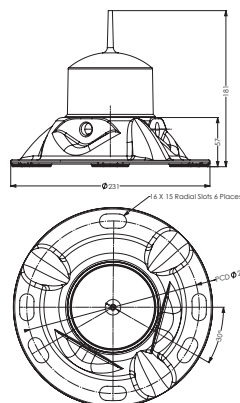
• Specifications subject to change or variation without notice ^ Refer to the Sealite website under the warranty section

### Photometric Output

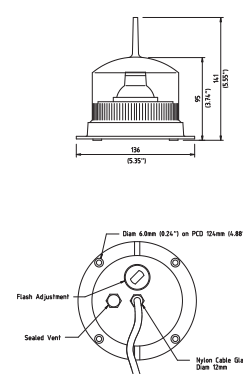


Typical Maximum Intensity (cd)		SL-07
RED		121
GREEN		88
WHITE		156
YELLOW		95

SL-07LB Model



SL-07 Model



We believe technology improves navigation™



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