



Enhanced housing, lens & mounting points. IP68 waterproof rating

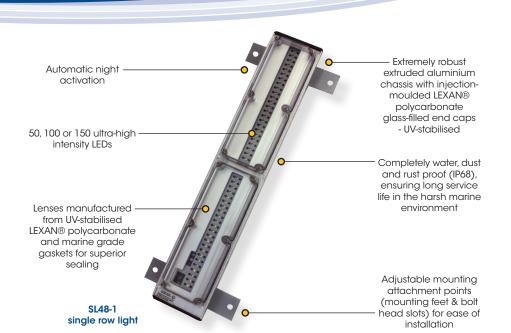




Available with internal GPS Synchronisation, Hard-wire Synchronisation or GSM Monitoring & Control

### The Sealite Advantage

- Directional 2ft LED leading light
- 7.5 13+ nautical mile range
- Robust design ensures a complete seal suitable for extreme weather conditions
- 256 user-adjustable flash characteristics
- Adjustable intensity settings
- Operates in conjunction with existing or purpose-built power supplies
- Optional GPS Synchronisation & GSM Remote Monitoring
- IP68 waterproof



## The SL48 is a 2ft LED leading light designed to offer vessels clear night navigation and is a convenient replacement for conventional lead lighting.

The unit is available in 3 configurations utilising either single (SL48-1), dual (SL48-2), or triple (SL48-3) row LED circuits as a light source.

The advanced circuitry of the SL48 series comprise of a DC/DC converter, temperature monitoring, current control, and automatic night activation.

The innovative, robust design of the SL48 leading light ensures years of reliable, maintenance-free service. The unit is completely water, dust & rust proof, and vandal resistant.

The SL48 body is made from extruded aluminium with injection-moulded UV-stabilised LEXAN® polycarbonate glass-filled end caps for superior strength and durability. Single, dual and triple row versions have the same body width.

Individual injection-moulded LEXAN® polycarbonate lenses are fitted to the aluminium body with a marine grade gasket ensuring a superior sealing (IP68 waterproof).

The aluminium housing features 2x channels/slots which run along the entire length of the base of the SL48. This multi-mount design allows the 2x mounting brackets/feet to be positioned as required for complete installation flexibility.

The unit operates from a standard 8 – 20 volt power supply, and may be run from a mains powered system or with solar and battery backup in the event of power failure.

The SL48 leading light is also available with hard-wire or GPS Synchronisation and GSM Remote Monitoring and Control capabilities. When leading lights flash in synchronisation, they can be clearly distinguished from other navaids and confusing background lighting.



w: www.sealite.com e: info@sealite.com **Sealite Pty Ltd** AUSTRALIA **t:** +61 (0)3 5977 6128 **Sealite USA, LLC** USA **t**: +1 (603) 737 1311 Pelangi International Ltd (A wholly owned subsidiary of Sealite Pty Ltd) United Kingdom t: +44 (0) 1502 588026





Ease of flash setting selection (where required) via internal rotary switches



Brisbane, Australia

### **SPECIFICATIONS** •

#### Light Characteristics Light Source

Available Colours Maximum Available Intensity (cd)†

Visible Range (nm) Horizontal Output (degrees) Vertical Divergence (degrees) Available Flash Characteristics

Intensity Adjustments LED Life Expectancy (hours) Electrical Characteristics Current Draw (mA)

Circuit Protection Nominal Voltage (v) Temperature Range

Physical Characteristics Body Material

Lens Material

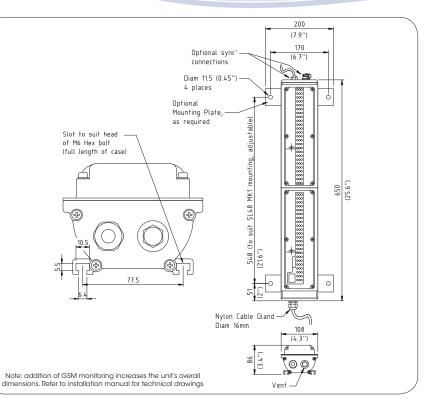
Mounting

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

Certifications CE Quality Assurance

Waterproof Intellectual Property Trademarks

Warranty \* Options Available



SL48-1	SL48-2	SL48-3
Single Row	Dual Row	Triple Row
50 ultra-high intensity LEDs	100 ultra-high intensity LEDs	150 ultra-high intensity LEDs
Red, Green, White, Yellow, Blue	Red, Green, White, Yellow, Blue	Red, Green, White, Yellow, Blue
Red - 1540 Green - 2220 White - 2220	Red - 3070 Green - 4160 White - 4020	Red - 4560 Green - 6300 White - 5680
Yellow - 1320 Blue - 430	Yellow - 2570 Blue - 770	Yellow - 3820 Blue - 1140
7.5-10.5+	8.5-12+	9.5-13+
15	15	15
15	15	15
Up to 256 IALA recommended	Up to 256 IALA recommended	Up to 256 IALA recommended
(user adjustable)	(user adjustable)	(user adjustable)
User adjustable	User adjustable	User adjustable
>100,000	>100,000	>100,000
Red, Yellow - 510	Red, Yellow - 1020	Red, Yellow - 1530
Blue, Green, White - 430	Blue, Green, White - 860	Blue, Green, White - 1290
Polarity protected	Polarity protected	Polarity protected
12	12	12
-40 to 80°C	-40 to 80°C	-40 to 80°C
Extruded aluminium chassis with	Extruded aluminium chassis with	Extruded aluminium chassis with
LEXAN® polycarbonate glass-filled	LEXAN® polycarbonate glass-filled	LEXAN® polycarbonate glass-filled
end caps - UV-stabilised	end caps - UV-stabilised	end caps - UV-stabilised
LEXAN® Polycarbonate	LEXAN® Polycarbonate	LEXAN® Polycarbonate
- UV-stabilised	- UV-stabilised	- UV-stabilised
Slots to suit head of M6 Hex bolt (full	Slots to suit head of M6 Hex bolt (full	Slots to suit head of M6 Hex bolt (full
length of light body) & 4 x 11.5mm	length of light body) & 4 x 11.5mm	length of light body) & 4 x 11.5mm
mounting holes (mounting feet)	mounting holes (mounting feet)	mounting holes (mounting feet)
86 / 3 <sup>2</sup> /s	86 / 3 <sup>2</sup> /s	86 / 3 <sup>2</sup> /s
200 / 7 <sup>7</sup> /s (including feet)	200 / 7 <sup>7</sup> /s (including feet)	200 / 7 <sup>7</sup> /s (including feet)
650 / 25 <sup>2</sup> /s	650 / 25 <sup>2</sup> /s	650 / 25 <sup>2</sup> /s
3.6 / 7 <sup>7</sup> /s	3.7 / 8 <sup>1</sup> /s	3.8 / 8 <sup>1</sup> /s
Up to 12 years	Up to 12 years	Up to 12 years
EN61000-6-3:1997. EN61000-6-1:1997	EN61000-6-3:1997. EN61000-6-1:1997	EN61000-6-3:1997. EN61000-6-1:1997
ISO9001:2008	ISO9001:2008	ISO9001:2008
IP68	IP68	IP68
SEALITE® is a registered trademark of	SEALITE® is a registered trademark of	SEALITE® is a registered trademark of
Sealite Pty Ltd	Sealite Pty Ltd	Sealite Pty Ltd
3 years	3 years	3 years
<ul> <li>Power supplies/systems</li> <li>Hard-wire Synchronisation</li> <li>GPS Synchronisation</li> <li>GSM Remote Monitoring &amp; Control</li></ul>	<ul> <li>Power supplies/systems</li> <li>Hard-wire Synchronisation</li> <li>GPS Synchronisation</li> <li>GSM Remote Monitoring &amp; Control</li></ul>	<ul> <li>Power supplies/systems</li> <li>Hard-wire Synchronisation</li> <li>GPS Synchronisation</li> <li>GSM Remote Monitoring &amp; Control</li></ul>
Capabilities <li>Additional cable</li>	Capabilities <li>Additional cable</li>	Capabilities <li>Additional cable</li>



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Subject to standard terms and conditions Intensity setting subject to solar availability

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# Leading Light Power Supply Options

# Sealite can provide a number of power supplies and accessories to suit their range of Leading Lights including:

#### LD-PS-40

#### 40watt Power Supply to suit leading light, includes:

- 1 x 40watt solar panel
- 1 x 55Ah battery
- Solar charge controller
- Weatherproof battery housing
- · Lockable powder-coated battery box c/w 200mm OD base mount Type 2 series
- 16mm cable gland access

#### LD-PS-60

#### 60watt Power Supply to suit leading light, includes:

- 1 x 60watt solar panel
- 1 x 55Ah battery
- Solar charge controller
- Weatherproof battery housing
- · Lockable powder-coated battery box c/w 200mm OD base mount Type 2 series

#### LD-PS-85

#### 85watt Power Supply to suit leading light, includes:

- 1 x 85watt solar panel c/w wall mounting bracket
- 1 x 55Ah batteries
- Solar charge controller
- Weatherproof battery housing
- · Lockable powder-coated battery box c/w 200mm OD base mount Type 2 series
- 3mt cabling to solar module and fixtures

#### LD-PS-140

#### 140watt Power Supply to suit leading light, includes:

- 1 x 140watt solar panel c/w wall mounting bracket
- 1 x 100Ah battery
- Solar charge controller
- Weatherproof battery housing
- Lockable powder-coated battery box c/w 200mm OD base mount Type 2 series
- · 3mt cabling to solar module and fixtures

#### Please Note:

System suitability will be affected by available solar levels and power settings of the Lead Lights. Refer to Sealite Power Calculator for details.



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