

SL48

2ft LED Leading Light

**Next
Generation**

Enhanced housing, lens & mounting points.
IP68 waterproof rating



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

Automatic night activation

50, 100 or 150 ultra-high intensity LEDs

Lenses manufactured from UV-stabilised LEXAN® polycarbonate and marine grade gaskets for superior sealing

SL48-1
single row light

Extremely robust extruded aluminium chassis with injection-moulded LEXAN® polycarbonate glass-filled end caps - UV-stabilised

Completely water, dust and rust proof (IP68), ensuring long service life in the harsh marine environment

Adjustable mounting attachment points (mounting feet & bolt head slots) for ease of installation

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 nav aids and confusing background lighting.

SL48

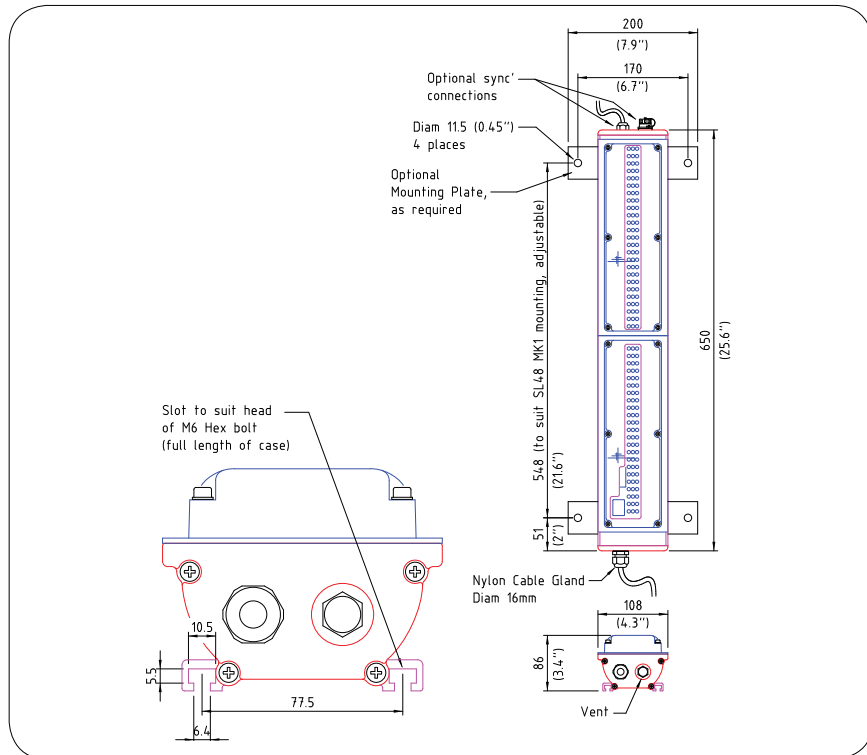
2ft LED Leading Light



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



Brisbane, Australia



SPECIFICATIONS •

SL48-1 Single Row

SL48-2 Dual Row

SL48-3 Triple Row

Light Characteristics

Light Source
Available Colours
Maximum Available Intensity (cd)†

50 ultra-high intensity LEDs
Red, Green, White, Yellow, Blue
Red - 1540 Green - 2220 White - 2220
Yellow - 1320 Blue - 430

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

7.5-10.5+
15
15
Up to 256 IALA recommended (user adjustable)
User adjustable
>100,000

Intensity Adjustments
LED Life Expectancy (hours)
Electrical Characteristics

Current Draw (mA)
Circuit Protection
Nominal Voltage (v)
Temperature Range

Red, Yellow - 510
Blue, Green, White - 430
Polarity protected
12
-40 to 80°C

Physical Characteristics

Body Material
Lens Material
Mounting

Extruded aluminium chassis with LEXAN® polycarbonate glass-filled end caps - UV-stabilised
LEXAN® Polycarbonate - UV-stabilised

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

Slots to suit head of M6 Hex bolt (full length of light body) & 4 x 11.5mm mounting holes (mounting feet)
86 / 3²/₅
200 / 7⁷/₈ (including feet)
650 / 25²/₃
3.6 / 7⁷/₈
Up to 12 years

Certifications

CE
Quality Assurance
Waterproof

EN61000-6-3:1997. EN61000-6-1:1997
ISO9001:2008
IP68

Intellectual Property

Trademarks

SEALITE® is a registered trademark of Sealite Pty Ltd

Warranty *

Options Available

3 years
• Power supplies/systems
• Hard-wire Synchronisation
• GPS Synchronisation
• GSM Remote Monitoring & Control Capabilities
• Additional cable

100 ultra-high intensity LEDs
Red, Green, White, Yellow, Blue
Red - 3070 Green - 4160 White - 4020
Yellow - 2570 Blue - 770
8.5-12+
15
15
Up to 256 IALA recommended (user adjustable)
User adjustable
>100,000

Red, Yellow - 1020
Blue, Green, White - 860
Polarity protected
12
-40 to 80°C

Extruded aluminium chassis with LEXAN® polycarbonate glass-filled end caps - UV-stabilised
LEXAN® Polycarbonate - UV-stabilised

Slots to suit head of M6 Hex bolt (full length of light body) & 4 x 11.5mm mounting holes (mounting feet)
86 / 3²/₅
200 / 7⁷/₈ (including feet)
650 / 25²/₃
3.7 / 8¹/₈
Up to 12 years

EN61000-6-3:1997. EN61000-6-1:1997
ISO9001:2008
IP68

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3 years
• Power supplies/systems
• Hard-wire Synchronisation
• GPS Synchronisation
• GSM Remote Monitoring & Control Capabilities
• Additional cable

150 ultra-high intensity LEDs
Red, Green, White, Yellow, Blue
Red - 4560 Green - 6300 White - 5680
Yellow - 3820 Blue - 1140
9.5-13+
15
15
Up to 256 IALA recommended (user adjustable)
User adjustable
>100,000

Red, Yellow - 1530
Blue, Green, White - 1290
Polarity protected
12
-40 to 80°C

Extruded aluminium chassis with LEXAN® polycarbonate glass-filled end caps - UV-stabilised
LEXAN® Polycarbonate - UV-stabilised

Slots to suit head of M6 Hex bolt (full length of light body) & 4 x 11.5mm mounting holes (mounting feet)
86 / 3²/₅
200 / 7⁷/₈ (including feet)
650 / 25²/₃
3.8 / 8¹/₈
Up to 12 years

EN61000-6-3:1997. EN61000-6-1:1997
ISO9001:2008
IP68

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3 years
• Power supplies/systems
• Hard-wire Synchronisation
• GPS Synchronisation
• GSM Remote Monitoring & Control Capabilities
• Additional cable

• Specifications subject to change or variation without notice
* Subject to standard terms and conditions
† Intensity setting subject to solar availability



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.