

Sealite Port Entry Light Systems



Sealite SL-48 Port Entry Leading Light

The SL-48 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, dual, or triple row LED circuits as a light source. The advanced circuitry of the SL-48 series comprise of a DC/DC converter, current control and automatic night activation. The innovative, robust design of the SL-48 leading light ensures years of reliable, maintenance-free service. The unit is completely water, dust & rust proof, and vandal resistant.

The SL-48 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 SL-48. 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 SL-48 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.



User Advantage:

- Directional ft LED leading light
- 7.5 - 13+ nautical mile range
- Robust design ensures a complete seal suitable for extreme weather Conditions.
- 256 user-adjustable flash characteristic
- Adjustable intensity settings
- Operates in conjunction with existing or purpose-built power supplies

Optional:

- Optional GPS Synchronisation & GSM Remote Monitoring.
- Optional solar powered configuration available.

Reliable:

- IP68 Waterproof

Technical Specifications: (3) (4)

Light Characteristics SL-48-1 Single Row:

Light Source: 50 ultra-high intensity LEDs
 Available Colours: Red, Green, White, Yellow, Blue
 Typical maximum intensity (cd)(1): Red-1540, Green-2220, White-2220, Yellow-1320, Blue-430.
 Visible range: 8 NM.
 Horizontal Output: 15 degrees.
 Vertical divergence: 15 degrees.
 Flash Characteristics: up to 256 IALA recommended (user adjustable).
 Intensity Adjustments: User adjustable.
 LED Life Expectancy >100,000 hours.

Electrical Characteristics:

Current Draw (mA): Red, Yellow-510, Blue, Green, White-430.
 Circuit Protection: Polarity protected.
 Nominal voltage (V): 12.
 Temperature Range: -40 to 80°C.

Physical Characteristics:

Body Material: Extruded aluminium chassis with LEXAN® polycarbonate glass-filled end caps, UV-stabilised.
 Lens Material: LEXAN® Polycarbonate, UV-stabilised.
 Mounting: Slots to suit head of M6 Hex bolt (full length of light body) & 4 x 11.5mm mounting holes (mounting feet).
 Height (mm/inches): 86 / 3.25
 Width (mm/inches): 200 / 7.78 (including feet).
 Length 9mm/inches): 650 / 25.23
 Mass (kg/lbs): 3.6 / 7.78
 Product Life Expectancy: Up to 12 years (2).

Certifications:

EN61000-6-3:1997 EN61000-6-1:1997 IALA: Signal Colours according to IALA E-200-1
 Quality Assurance: ISO9001:2015
 Waterproof: IP68, Warranty 3 years conditions apply (4).

Technical Specifications: (3) (4)

Light Characteristics SL-48-2 DUAL Row:

Light Source: 100 ultra-high intensity LEDs
 Available Colours: Red, Green, White, Yellow, Blue
 Typical maximum intensity (cd)(1): Red-3070, Green-4160, White-4020, Yellow-2570, Blue-770.
 Visible range: 9 NM.
 Horizontal Output: 15 degrees.
 Vertical divergence: 15 degrees.
 Flash Characteristics: up to 256 IALA recommended (user adjustable).
 Intensity Adjustments: User adjustable.
 LED Life Expectancy >100,000 hours.

Electrical Characteristics:

Current Draw (mA): Red, Yellow-1020, Blue, Green, White-860.
 Circuit Protection: Polarity protected.
 Nominal voltage (V): 12.
 Temperature Range: -40 to 80°C.

Physical Characteristics:

Body Material: Extruded aluminium chassis with LEXAN® polycarbonate glass-filled end caps, UV-stabilised.
 Lens Material: LEXAN® Polycarbonate, UV-stabilised.
 Mounting: Slots to suit head of M6 Hex bolt (full length of light body) & 4 x 11.5mm mounting holes (mounting feet).
 Height (mm/inches): 86 / 3.25
 Width (mm/inches): 200 / 7.78 (including feet).
 Length 9mm/inches): 650 / 25.23
 Mass (kg/lbs): 3.7 / 8.18
 Product Life Expectancy: Up to 12 years (2).

Certifications:

EN61000-6-3:1997 EN61000-6-1:1997 IALA: Signal Colours according to IALA E-200-1
 Quality Assurance: ISO9001:2015
 Waterproof: IP68, Warranty 3 years conditions apply (4).

Technical Specifications: (3) (4)

Light Characteristics SL-48-3 Triple Row:

Light Source: 150 ultra-high intensity LEDs
 Available Colours: Red, Green, White, Yellow, Blue
 Typical maximum intensity (cd)(1): Red-4560, Green-6300, White-5680, Yellow-3820, Blue-1140.
 Visible range: 10 NM
 Horizontal Output: 15 degrees.
 Vertical divergence: 15 degrees.
 Flash Characteristics: up to 256 IALA recommended (user adjustable).
 Intensity Adjustments: User adjustable.
 LED Life Expectancy >100,000 hours.

Electrical Characteristics:

Current Draw (mA): Red, Yellow-1530, Blue, Green, White-1290.
 Circuit Protection: Polarity protected.
 Nominal voltage (V): 12.
 Temperature Range: -40 to 80°C.

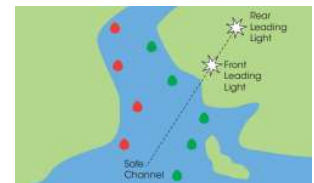
Physical Characteristics:

Body Material: Extruded aluminium chassis with LEXAN® polycarbonate glass-filled end caps, UV-stabilised.
 Lens Material: LEXAN® Polycarbonate, UV-stabilised.
 Mounting: Slots to suit head of M6 Hex bolt (full length of light body) & 4 x 11.5mm mounting holes (mounting feet).
 Height (mm/inches): 86 / 3.35
 Width (mm/inches): 200 / 7.78 (including feet).
 Length 9mm/inches): 650 / 25.23
 Mass (kg/lbs): 3.8 / 8.13
 Product Life Expectancy: Up to 12 years (2).

Certifications:

EN61000-6-3:1997 EN61000-6-1:1997 IALA: Signal Colours according to IALA E-200-1
 Quality Assurance: ISO9001:2015
 Waterproof: IP68, Warranty 3 years conditions apply (4).

- (1) Intensity settings subject to solar availability.
- (2) Refer to the Sealite website under the warranty section.
- (3) Specifications subject to change or variation without notice.
- (4) Subject to standard terms and conditions.



Flash Code Rotary Selecting Switches.

Sealite Port Entry Light Systems



Article No.	Description	Intensity cd(1)
904801	Leading Light SL-48-1 Single Row RED	1540
904802	Leading Light SL-48-1 Single Row GREEN	2220
904803	Leading Light SL-48-1 Single Row WHITE	2220
904804	Leading Light SL-48-1 Single Row YELLOW	1320
904805	Leading Light SL-48-1 Single Row BLUE	430
904806	Leading Light SL-48-2 Dual Row RED	3070
904807	Leading Light SL-48-2 Dual Row GREEN	4160
904808	Leading Light SL-48-2 Dual Row WHITE	4020
904809	Leading Light SL-48-2 Dual Row YELLOW	2570
904810	Leading Light SL-48-2 Dual Row BLUE	770
904811	Leading Light SL-48-3 Triple Row RED	4560
904812	Leading Light SL-48-3 Triple Row GREEN	6300
904813	Leading Light SL-48-3 Triple Row WHITE	5680
904814	Leading Light SL-48-3 Triple Row YELLOW	3820
904815	Leading Light SL-48-3 Triple Row BLUE	1140



Article No.	Description	Type
904860	Leading Light Hardwire Synchronisation for both SL-48 and SL-96	HW
904861	GPS Synchronisation for both SL-48 and SL-96	GPS
904862	Cell-Phone Remote Monitoring for both SL-48 and SL-96	GSM
904863	Type 1 AIS for both SL-48 & SL-96	AIS-1
904864	Type 3 AIS for both SL-48 & SL-96	AIS-3

