

**The SL07 is an LED Light Fixture designed to offer superior visibility and operate in conjunction with existing or purpose-built power supplies.**

With a variable range of 1 to 4nm, a maintenance-free light source, and 256 user-adjustable flash codes, the SL07 series of LED lights is the preferred choice for buoy manufacturers seeking to fit a marine lantern to existing or independently designed power sources.

The SL07 is available in a number of configurations, colours and cable lengths and is the perfect replacement for obsolete incandescent lights.

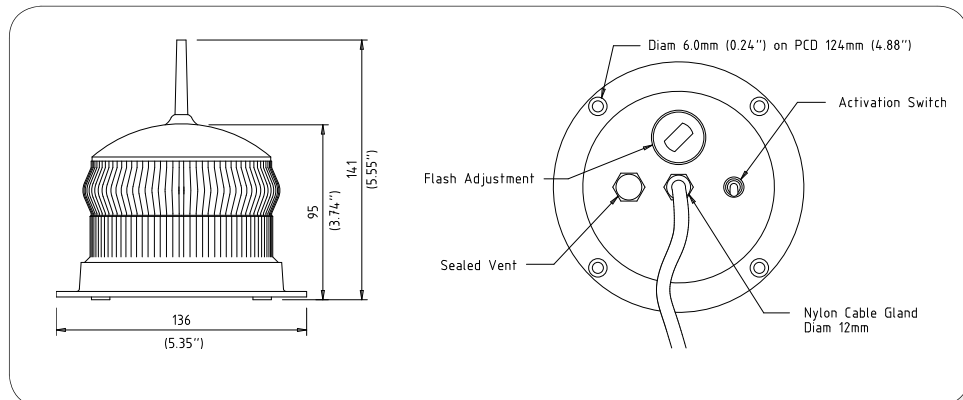
Customers using the SL07 range benefit from Sealite's optical engineering experience. Precision alignment and focus of the LEDs is made possible through the use of the 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918), increasing the intensity and uniformity of the horizontal output.

The tough UV stabilised LEXAN® polycarbonate lens is specifically designed and produced by Sealite for use with LEDs, and incorporates an environment-friendly spike - deterring unwelcome bird life.

Where fitted, flash adjustment is achieved via two (2) rotary switches - accessed through the base of the unit. For easy installation 1m of cable is supplied as standard.

An optional integrated photodiode activates the light on darkness.





## SPECIFICATIONS •

### Light Characteristics

Light Source

Available Colours  
Peak Intensity (cd)  
Visible Range (nm)  
Horizontal Output (degrees)  
Vertical Divergence (degrees)  
Reflector Type  
Available Flash Characteristics  
Intensity Adjustments  
LED Life Expectancy (hours)

10 ultra-high intensity LEDs (standard)  
20 ultra-high intensity LEDs (SL07-20)  
Red, Green, White, Yellow, Blue  
Refer to table on page 44  
>3  
360  
9  
Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)  
Up to 256 IALA recommended (user adjustable)  
Adjustable in 25% increments  
100,000

### Electrical Characteristics

Current Draw (mA)  
Circuit Protection  
Operating Voltage (v)

Refer to table on page 44  
Integrated  
12

### Physical Characteristics

Body Material  
Lens Material  
Lens Diameter (mm/inches)  
Lens Design  
Mounting  
Height (mm/inches)  
Width (mm/inches)  
Mass (kg/lbs)  
Product Life Expectancy

LEXAN® Polycarbonate – UV stabilised  
LEXAN® Polycarbonate – UV stabilised  
110 / 4<sup>1</sup>/<sub>3</sub>  
External optics with interior flute design  
4 X 6mm mounting holes  
141 / 5<sup>1</sup>/<sub>2</sub>  
136 / 5<sup>3</sup>/<sub>8</sub>  
0.6 / 1<sup>1</sup>/<sub>3</sub>  
Up to 12 years

### Certifications

CE  
Quality Assurance  
Waterproof

EN61000-6-3:1997. EN61000-6-1:1997  
ISO9001:2000  
IP68

### Intellectual Property

Patents  
Trademarks

US Pat. No. 6,667,582. AU Pat. No. 778,918  
SEALITE® is a registered trademark of Sealite Pty Ltd

### Warranty

3 years

### Options Available

- Hard wire or GPS synchronisation
- 50mm pole mount adaptor plate
- Flash adjustment switch
- Additional cable
- Integrated photodiode

CE

• Specifications subject to change or variation without notice



## SL07 / SL10 LED Light Fixture Configurations •

Model		Description	Intensity	Colour	LEDs	Power Amp/hour	Voltage
SL07.1.R	SL10.1.R	1nm LED Light Fixture	1.5cd	RED	10	0.009	12v
SL07.1.G	SL10.1.G	1nm LED Light Fixture	1.5cd	GREEN	10	0.009	12v
SL07.1.W	SL10.1.W	1nm LED Light Fixture	2.5cd	WHITE	10	0.009	12v
SL07.1.Y	SL10.1.Y	1nm LED Light Fixture	1.4cd	YELLOW	10	0.009	12v
SL07.2.R	SL10.2.R	2nm LED Light Fixture	7cd	RED	10	0.035	12v
SL07.2.G	SL10.2.G	2nm LED Light Fixture	7cd	GREEN	10	0.035	12v
SL07.2.W	SL10.2.W	2nm LED Light Fixture	9cd	WHITE	10	0.035	12v
SL07.2.Y	SL10.2.Y	2nm LED Light Fixture	6cd	YELLOW	10	0.035	12v
SL07.3.R	SL10.3.R	3nm LED Light Fixture	23cd	RED	20	0.120	12v
SL07.3.G	SL10.3.G	3nm LED Light Fixture	23cd	GREEN	20	0.120	12v
SL07.3.W	SL10.3.W	3nm LED Light Fixture	30cd	WHITE	20	0.120	12v
SL07.3.Y	SL10.3.Y	3nm LED Light Fixture	19cd	YELLOW	20	0.120	12v
SL07.4.R	SL10.4.R	4nm LED Light Fixture	45cd	RED	20	0.220	12v
SL07.4.G	SL10.4.G	4nm LED Light Fixture	46cd	GREEN	20	0.220	12v
SL07.4.W	SL10.4.W	4nm LED Light Fixture	55cd	WHITE	20	0.220	12v
SL07.4.Y	SL10.4.Y	4nm LED Light Fixture	43cd	YELLOW	20	0.220	12v

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### Order codes:

FX: Fixed light on power-up.

FL: Flashing or steady light on power-up. Excl. photodiode. 24hr operation. 256 IALA adjustable flash characteristics.

FL-S: Flashing or steady light on darkness. Incl. photodiode for automatic darkness activation  
256 IALA adjustable flash characteristics.

Eg. SL07.3.W-FL-S:

Denotes SLO7 3nm light. WHITE. Adjustable flash rates with photodiode.

