



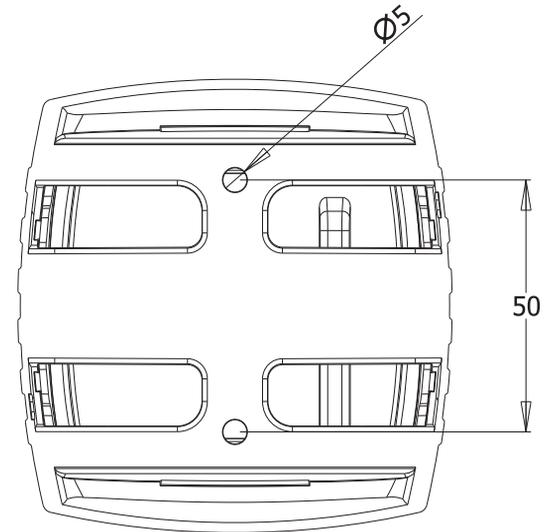
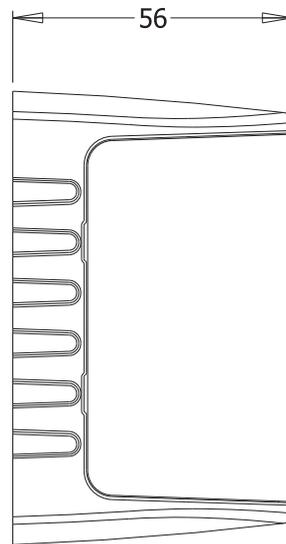
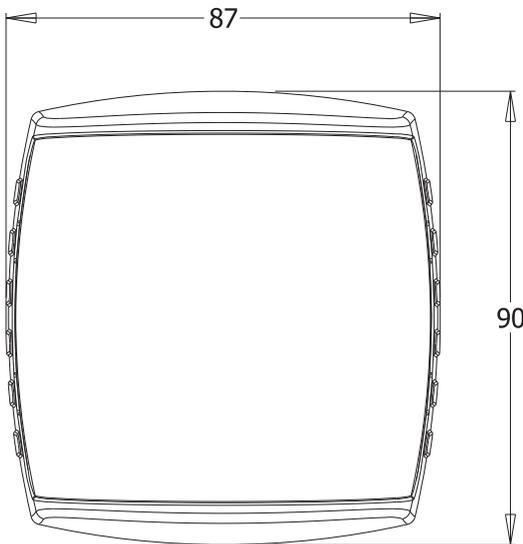
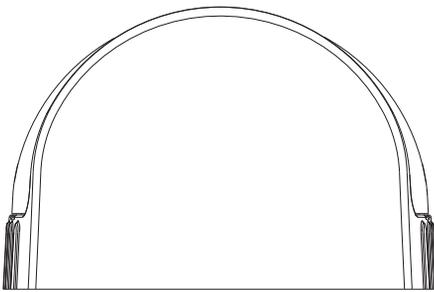
01-218R, 218G, 218C, 218M, 225

## **Port / Starboard / Stern / Masthead / Bi colour Navigation Lamps**

Housing Description	UV resistant acrylic lens, High impact shroud
Light source	High Quality and Brightness LEDs
Installation	Pre-wired with 2.5m of marine cable
Operating Voltage	Multivolt 9-36 volts DC
Voltage Protection	Spike protected to 250 volts Over Voltage protected to 72 volts 1A Reverse Polarity protected to - 700 volts
Power Consumption	Port / Starboard / Stern / Navigation Lamps 2W Masthead / Bi-colour Navigation Lamps 4W
Protective System	Completely sealed :IP67

## **Dimensions**

Unit : mm



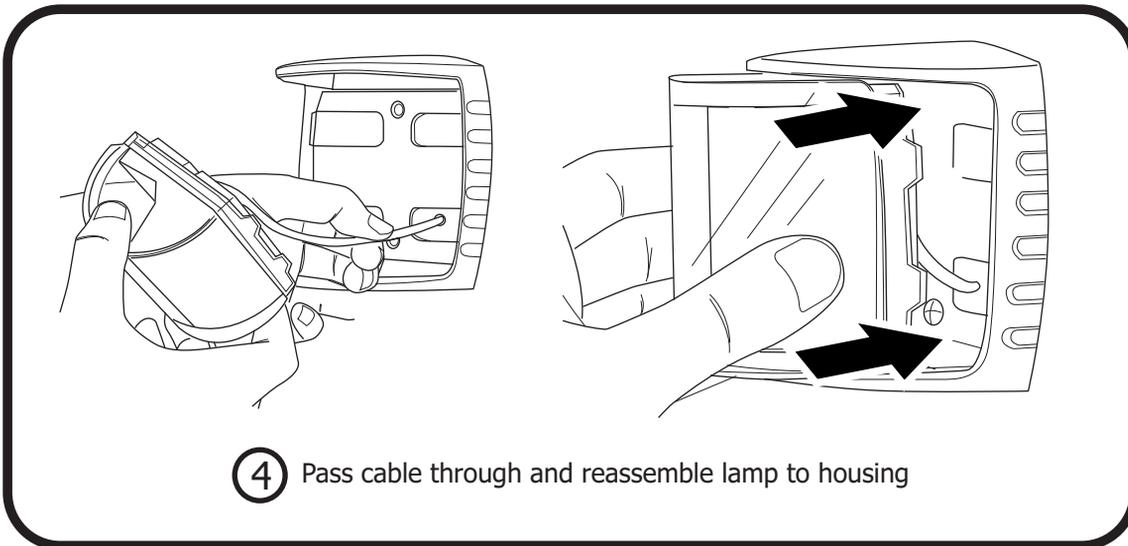
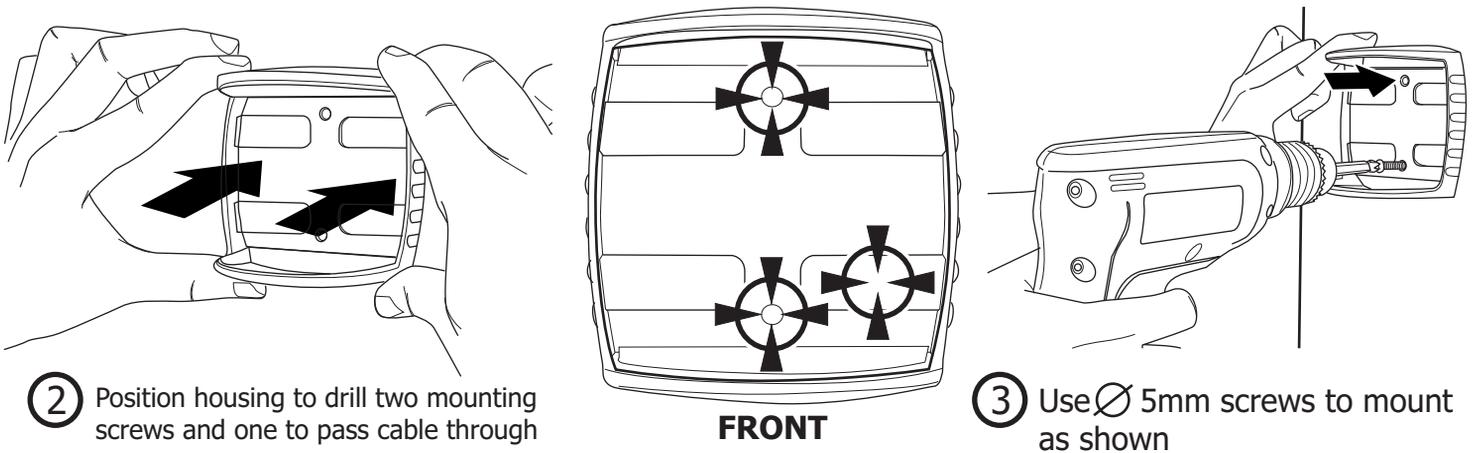
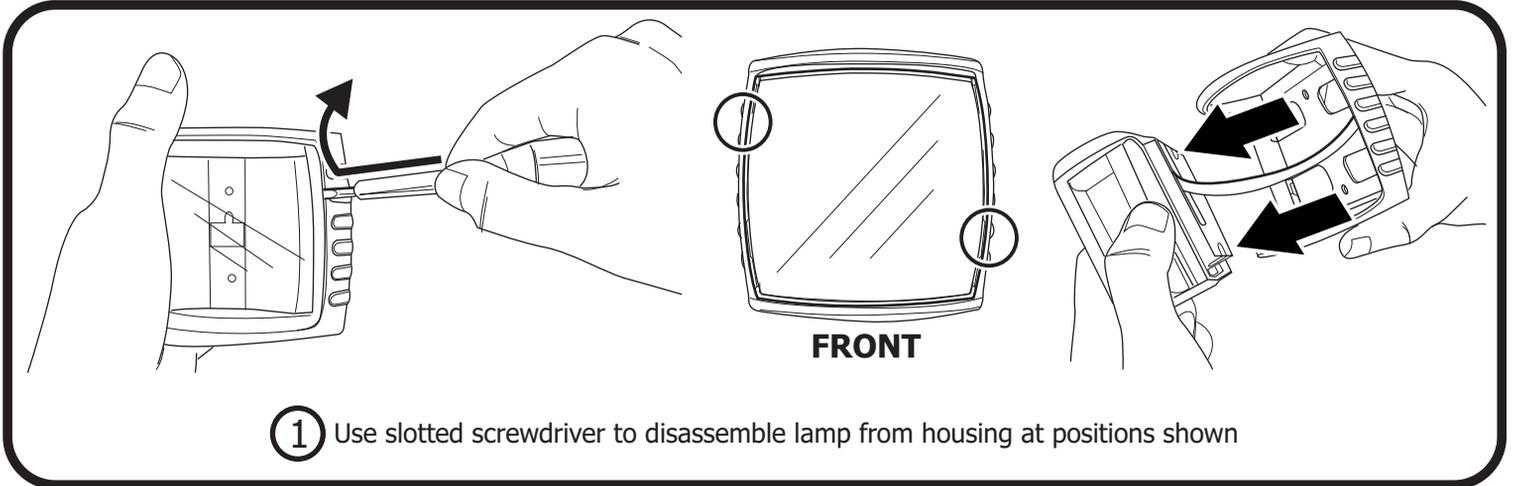
### **Electromagnetic Compatibility (EMC)**

This LED lamp is an electronic device. The electrical circuits contain components that suppress possible interference, both emission as susceptibility, to the limits prescribed in EN 60945.

Protection against damage due to voltage spikes

This lamp is protected against reverse polarity connection and negative voltage spikes of up to 700 volts.

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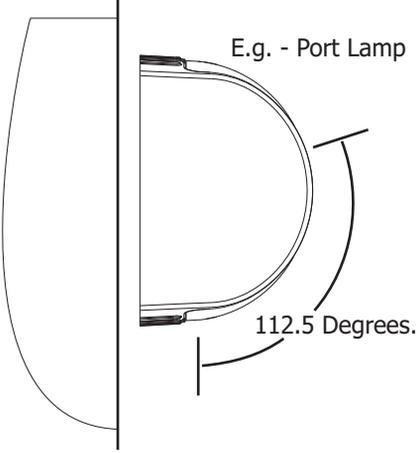
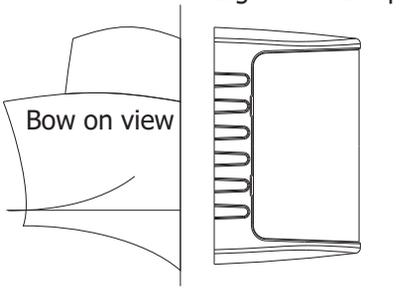
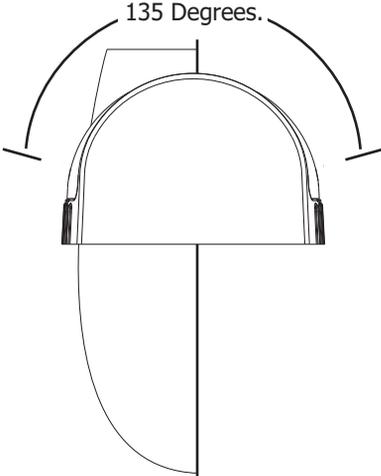
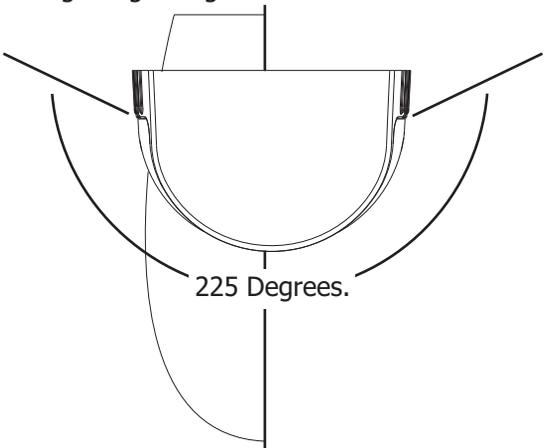
## Wiring Colour Coding

Colour	Connect to
Black	Negative (-ve)
Red	Signal (+ve)

Wiring  
- Supply Voltage 9-36V (DC only)

NB: Lamp must be protected by a fuse rated at 5 amperes

## Port / Starboard / Stern / Masthead / Bi colour Navigation Lamps

<p>Fig.1 Parallel to the vessels centre line.</p>  <p>E.g. - Port Lamp</p> <p>112.5 Degrees.</p> <p><b>Port/Starboard</b></p>	<p>Fig.2 Vertical to the vessels centre line.</p>  <p>E.g. - Port Lamp</p> <p>Bow on view</p> <p>135 Degrees.</p>	<p>Fig.3 Stern Mounting.</p>  <p>135 Degrees.</p>
<p>Fig.4 Right angles to the vessels centre</p>  <p>225 Degrees.</p> <p><b>Masthead / Bi colour</b></p>	<p style="text-align: center;"><b>Positioning of Lamps</b></p> <p style="text-align: center;"><b>Navigation Lamps must be mounted as follows;</b></p> <p><b>Port (2NM) and Starboard (2NM) Lamps:</b> Parallel to the vessels centre line. (See Fig.1) Vertical to the vessels centre line. (See Fig.2)</p> <p><b>Stern (2NM) Lamps:</b> Right angles to the vessels centre line. (See Fig.3) Vertical to the vessels centre line. (See Fig.2)</p> <p><b>Masthead (3NM) Lamps:</b> At right angles to the vessels centre line with the signal direction arrow pointing straight ahead. (See Fig.4)</p>	

### The signal direction arrow should point ;

Right ahead for Port/Starboard lamps (Side Lamps) Right astern for Stern lamps.

### Without obstruction to the light output.

When the lamp is operating, the light should not be obstructed or concealed by superstructures or other objects.

### Port / Starboard (Side Lamps)

Must be mounted in the same thwartships position and at the same height above the construction water line (CWL), but at least 1.00M lower than the Masthead Lamp and mark the effective beam of the vessel.

If this is not possible, the distance between the individually mounted Side Lamps should not be less than 85% of the maximum beam of the vessel.