

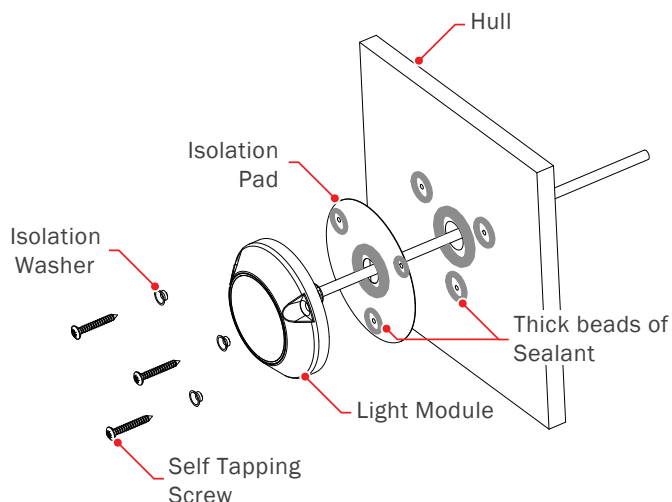
# SMX 'M' Range Isolation Kit Assembly Guide

# LUMISHORE

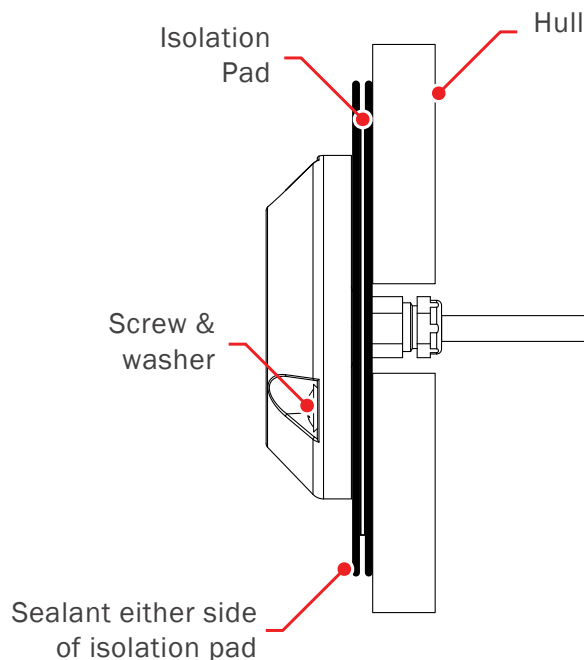


## Before you Start

This is for fitting lumishore "M-Class" (Metal bodied SMX) lights to metal hull boats. Always ensure that the vessel's power source and battery are disconnected or isolated prior to installation. A qualified professional should carry out both the electrical and mechanical installation. If in doubt please contact LUMISHORE. Refer to product support section.



## Final Assembly



## Isolation Test Procedure

**NOTE: Ensure this step is carried out by qualified personnel and is done prior to reconnecting battery power to the vessel.**

1. Drill 3 Pilot holes to the appropriate size for a 3.5mm self tapping screw into the material you are fixing to, along with a 5.5mm centre hole for cable and 13.5mm diameter recess (15mm) for gland.

**Note: SMX153 Requires a 13.5mm thru hole for the connector.**

2. Before fixing ensure surface is smooth and free of any swarf or any other defects that may damage isolation pad.

3. Using an approved adhesive (3M 4200 Marine or similar) run beads of sealant around the pilot holes. The isolation pad can then be placed over the adhesive. Apply an additional amount of sealant over the isolation pad as before. See diagram to the left. Ensure sealant completely covers the rear of the light.

4. Feed light cable through the centre hole and screw the light down onto the surface. Remove excess sealant with a damp cloth.

**Note: Do not use an alcohol-based solvent as this may have an adverse effect on the sealant.**

Using a continuity tester, follow the diagram on the right (where **x** is a probe location) carry out an isolation test confirming the following;

- A. Light body is isolated from hull
- B. Screw is isolated from the light body.

If the above is not met, inspect isolation washers and pad. Replace if necessary

