

LEWMAR

Ocean Portlight and Fixedlight Fitting Instructions

(To be retained in owners manual for future reference)

Lewmar Ocean Portlights and Fixedlights are for use on all craft types in accordance with **ISO/DIS 12216.2(E)**, **DESIGN CAT. "A", AREAS I, II, III and IV**. Modification of the product will invalidate the compliance with this standard.

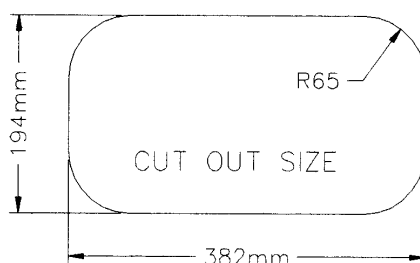
Fitting Instructions

Lewmar Portlight and Fixedlights should be fitted to a flat surface with a maximum tolerance of +/-1mm extending 20mm beyond the planned cutout and a deck / hull thickness of 12-36mm. Hold the inner frame on the inside of the intended position, ensure that a flat bearing area exists over the surface of the inner frame, leaving sufficient clearance for the trim to be fitted, (see sketch of typical cross section).

With a pencil mark out the cutout to the recommended dimensions shown.

The lower edge of product fitted in the hull AREA I should be a minimum of 600mm above the floatation plane in the crafts fully loaded ready-for-use condition, the boat being at rest in the upright condition.

Where craft intended to be operated on 'OCEAN' or 'OFFSHORE' voyages (as defined by ISO/DIS 12216.2(E)), no part of the plate or its framing is to extend beyond the outer surface of the hull or of a built-in-fairing being an integral part of the hull.



It is essential that the outer frame is placed squarely on the deck opening.

When fitting a number of portlights it is advisable to prepare a template.

Cut out deck along pencil line using a suitable saw.

Where the deck is of composite construction, it is recommended that the exposed laminate be sealed with the appropriate material prior to fitting the product. Openings cut in metal decks should have all burrs and sharp edges removed.

Portlights and Fixedlights should not be considered as stiffening members and it is recommended that the deck be adequately stiffened to prevent distortion during heavy weather.

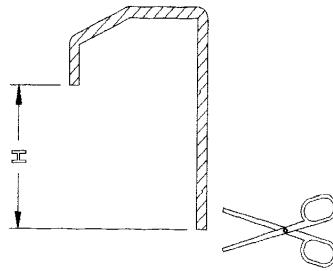
Measure thickness of skin (and inner trim if fitted).

Re-check the frame on aperture and then apply bedding compound to the channel in outer frame. Bedding compound must have good adhesive qualities (eg. silicone sealant), be a suitable grade for marine sealing applications, of 3mm minimum thickness and compressible to allow the outer frame to be pulled down in contact with the deck by the securing screws.

Position the outer frame unit, and with the inner frame joint on the lower edge, bolt firmly in place, working from the centre out to the ends up to a maximum torque of 2.8Nm (25 in.lb). Clean off surplus sealant.

Caution:

M5 screws supplied are for skin thickness 12-16mm. It is important that you use the correct length of screw otherwise you will damage the product. Check skin thickness and select correct length of screw from table.



Trim cross section

Adjust the trim moulding to the required length H by cutting the inner edge only to suit, using a fine toothed saw or tin snips, such that when fitted the trim fixes to the dual lock pads. Snap the trim moulding into final position making sure that it picks up with the dual lock pads and is fully home all around its perimeter. It is a simple matter to remove the trim by prising it away on the outside edge, refit by snapping back onto the dual lock pads. On craft with considerable curvature or difficult inner trim, it may be necessary to use more dual lock pads which are available as a spares kit.

For portlight installations, check for correct operation of the window, closing / locking operation, even pressure on the seal etc. Don't forget to leave the flyscreen on board.

Dimension T	Screw	Order No.
12 – 16mm	use M5x16	19899100
17 – 20mm	use M5x20	19899200
21 – 25mm	use M5x25	19899300
26 – 30mm	use M5x30	19899400
31 – 35mm	use M5x30	19899500
36 – 38mm	use M5x30	19899600

Alternative screw length table

User Notes

Flyscreens, when fitted are snapped into position on the outer frame, enabling the portlight to be closed with the flyscreen in place.

Always wash the Portlight or Fixedlight with soap, water and a soft cloth.

Never use abrasive or solvent cleaners on the window, as this may at a later date damage the acrylic.

A deadlight is available for this product, catalogue number 360053919. Store the deadlight in an easily accessible position close to the portlight. Check the fitting of the deadlight regularly.