

Dear Customer,

Thank you for purchasing Lopolight's unique navigation light.

The Lopolight products are covered by a 5-year limited warranty. This warranty covers direct exchange of the malfunctioning product and is given under the assumption that the lights have been operated within the specifications of lights.

Mechanical mounting:

Please consult the attached assembly drawing.

The bolts used for attaching the light onto the vessel should be with a cylindrical head such as a M6 unbrako (DIN 912) A4 in appropriate length – these bolts are not supplied with the light.

Mounting on dissimilar materials should only be done with a suitable corrosion barrier between the light and the vessel.

Electrical connection:

The light has a space for connecting the ships cable into the light. This space is placed at the bottom or the rear of the light.

This cable mounting space is IP68 waterproof under the assumption that the supply cable diameter is between 9mm and 12mm and that the supplied O-ring between Lopolight and cable assembly bay is mounted correctly. Please consult the attached assembly drawing for further details.

Make sure polarity is correct Red for 10-32VDC and black for GND for doubled light there is another pair of leads these are either Red or White for the 10-32VDC and Black or Blue for GND.

The light will only function if the polarity is correct. (you will not damage the Lopolight by accidentally wiring the polarity wrong – it will just not work).

The navigations light should not be grounded.

Troubleshooting:

If the light does not function:

- Check that you have a voltage between 10 and 32 volts.
- Check that the polarity is right.

End of life signalling:

Your Lopolight product has a microprocessor inside that ensures that the light has the same intensity over its 50.000 hour lifetime.

In addition the light will signal to you when it is getting to the end of its useful life.

The following signals can be observed when turning on the light:

- (a) All OK: 5 seconds after turning on it will go dark for 0,1 second and turn on again. This is just a check for you to assure that the clock function is working.
- (b) Less than 2000 hours left: The dark period is extended to **2 seconds: You should change the light at your next service within the next 12 months.**
- (c) Light expired: The dark period is extended to **5 seconds: You should change the light immediately.**

Monitoring and Control from bridge:

Instead of the visual control implied in the above section on “end of life signalling” Lopolight offers a monitoring module built to class (LR) specifications for bridge panel applications. Each monitoring module (Lopolight part number 400-018) monitors one light for the messages sent by the light over the power wire and will trigger the alarm in the case of situation (b) and (c). In addition to this the monitoring module will alarm if the power is cut or shortened or if the light has a partial failure.

Conformity to standards:

The light in this package comply with the following standards:

Navigation light functions and qualities: EN-14744, UL-1104, Colreg-72.

EMC, Conducted Emissions: IEC 60945

EMC, Radiated Emissions: IEC 60945

EMC, Conducted RF Immunity: IEC 60945

Vibration: EN-14744

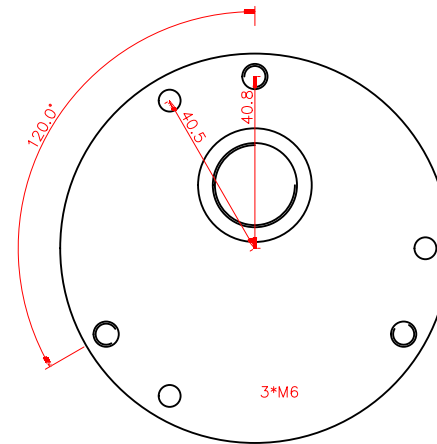
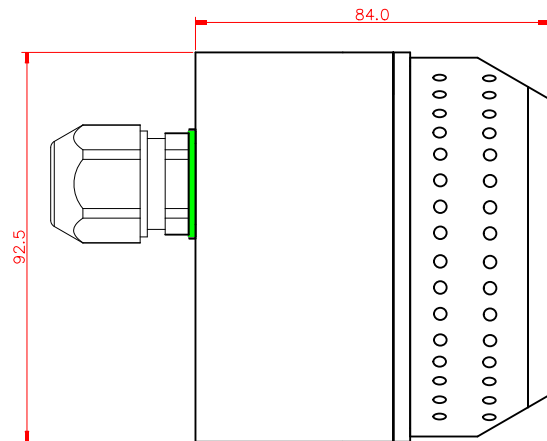
Solar radiation: EN-14744

Temperature range: EN-14744: energized: -25° to +55°C

Products will work energized: -35° to +75°C*

*(based on tests in -40° to +80°C for 200 hours in controlled climate chamber)

Waterproof: IEC 60945 and better than IP68



3nm obstruction light
360 + 180 degrees

Drawing no.: 700-380	Rev.: 2	Drawing date: 121013	Sign.: jm
Scale: 1:1	Format: A3	Revision date: 061112	Sign.: jm
Material: Aluminium 6082, 25 my anodizing		Tol.: DS 2768 Fine	
Article no.: P/N 300-411 obstruction light			

Remark:

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