

WORLDS FIRST Ex ZONE 1 LED NAVIGATION LIGHTS



The increased focus on use of flammable gasses in the guise of 'new fuels', increases the demand for deck equipment that is explosion proof.

Navigation lights with LED technology are now available with ATEX and IEC Ex Zone 1 certification.

This gives freedom to place the Navigation lights on the vessel at the correct location without compromises, and to allow the continued use of the Navigation lights even in the event of a gas leakage situation.

New Fuels – surprisingly dangerous

With the advent of new fuels, the subject of fire safety on board is receiving renewed interest. Recently, we saw one of the most popular new fuels, Methanol, being put under scrutiny in a study by Survitec. The results are strongly indicating that the industry and ship owners need to reduce fire risk above and beyond the current safety standards.

Commercial operators are already today at risk of exposure to hazardous gasses, this risk is expected to increase when the adoption of new fuels accelerates.

Zone 1 Ex Certified Navigation Lights

There is good news for a piece of the puzzle of reducing fire hazard on board: The introduction of Zone 1 Ex certified navigation lights. Lopolight is now offering a full range of Zone 1 ATEX and IEC Ex certified LED navigation lights.

The location of the Navigation lights onboard leaves little room for flexibility. It is important that your vessel is displaying the correct lights, at the correct positions, as described by the COLREGS – this enhances safety at sea by lowering the risk for misunderstandings.

The Expanding Reach of ATEX/IEC Ex Zones Across the Super Yacht Fleet

The number of vessels with an ATEX/IEC Ex zone is increasing rapidly. Consider the hundreds of vessels in build now using LNG, Methanol, Ammonia, and others – all with ATEX/IEC Ex zones. All in need of no-compromise, rugged, fit 'n forget light solution.

Lopolight's EX Series: Setting New Standards in Explosion Protection

The Lopolight Ex Series is formally approved for use in ATEX/IEC Ex equipment group II Category 2 Zone 1 (and therefore also Zone 2). The difference between the mentioned zones can be described like this: Zone 1 is an area that is classified 'as a place in which an explosive atmosphere consisting of a mixture with air or flammable substances in the form of gas, vapours, and mists is likely to occur occasionally during normal operation', whereas Zone 2 is an area that is classified 'as a place in which an explosive atmosphere consisting of a mixture with air or flammable substances in the form of gas, vapours, and mists is not likely to occur in normal operation but, if it does occur, it will be present for a short period of time only'.

The Lopolight Ex Series lights is kept in the exact same form factor as the regular Lopolights; the difference is in the manufacturing; the use of ATEX/ IECEx certified components such as connectors and cable glands. The marking is ATEX/IEC Ex specific, and certified grounding point is present for safe and simple installation.

The full Lopolight range is available in the EX configuration – including the ice-class lights!

For more information:

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