TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB000079F
Revision no.:
1

This Certificate is issued by DNV UK Limited, UKAS accredited certification body no. 6086, based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body (no. 0097) to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2025.

This is to certify:

that the **Navigation lights**

with type designation(s)
Single and Duplex LED Navigation Lights

issued to
Lopolight ApS
Bakkegaardsvej 513
DK-3050 Humlebaek
Denmark,

is found to comply with the Regulation **(UK) MSN 1874 Amendment 11** for
Item no. **UK/6.1** (Row **1 of 1**)
according to the following requirements:
COLREG 72 Annex I/14, IMO Res. A.694(17), IMO Res. MSC.253(83)

Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2026-02-09**

Expiry date: **2031-02-08**

DNV local unit:
Denmark CMC

Approval Engineer:
Tommi Juhani Rifaat

Approved Body No:: 0097

for **DNV UK Ltd.**

Digitally Signed By:
Christine Mydlak-Röder

Christine Mydlak-Röder
MER Service Responsible

Maritime & Coastguard Agency
UK Approved Body Authorised by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.
During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.
"The Mark of Conformity" may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2025, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

Single and Duplex LED Navigation Lights, Rating IP 67, Lopolight Part Numbers:
101-001, 301-001, 301-001ST, 301-101, 301-101ST, 301-008, 301-008ST, 301-108, 301-108ST, 101-002, 301-002, 301-002ST, 301-102, 301-102ST, 301-009, 301-009ST, 301-109, 301-109ST, 101-004, 201-004, 101-003, 201-003, 101-005, 201-005, 101-009S, 201-007S, 301-006, 301-006ST, 301-106, 301-106ST, 301-005, 301-005ST, 301-105, 301-105ST, 201-013V,301-107, 301-107ST, 201-013, 201-013ST, 301-113, 301-113ST, 201-010, 201-011, 301-011, 201-010KL, 201-011KL201-011KLST, 301-011KL, 301-011KLST,201-020, 201-021, 201-030, 300-116, 300-116ST, 300-118 and 300-118ST.

The LED navigation lights type Masthead Light 301-011/301-0011KL/301-011KLST may only be fitted to vessels of 12 metres or more in length but less than 50 metres.

Application/Limitation

• The above navigation lights to be installed in accordance with the Convention on the International Regulations for Preventing Collisions at Sea, 1972 as amended, and maker's instructions.
• Installation for power driven and sailing vessels.
• For compliance with requirements in EN 14744 clause 4.10, an interface navigation light controller fulfilling the following requirements is required:
o The navigation light controller is to have the ability to correctly present lifespan and status signals from the lights in accordance with MSC.302(87) and MSC.253(83).
o The navigation light controller must monitor the light current for detection of partial failure and presentation of alerts.
• For monitoring of navigation light lifespan condition the light have to be switched off and back on.

Type Examination documentation

Please see Appendix: Type Examination Documentation

Tests carried out

•	Performance:	EN 14744 (2005) incl. AC 2006, tested for COLREG Lights
•	Environmental:	IEC 60945 (2002) incl. IEC 60945 Corr. 1:2008.

Marking of product

According to EN 14744.

APPENDIX

Type Examination documentation

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Document No.	Rev.	Title
QINETIQ/D&TS/SS /CR600363		Report: Qinetiq, IEC 60945, MSN 1781, Annex 1 Test Report
118-26781-1	1	Report: Force technology, IEC 60945, EN 14744 Test Report
118-323-195		Report: Delta, 1NM Port Sidelight EN 14744 Luminous intensity Test Report
118-323-19	0	Report: Delta, 3NM Starboard Sidelight EN 14744 Luminous intensity Test Report
118-323-189		Report: Delta, 2NM Stern light EN 14744 Luminous intensity Test Report
118-323-191		Report: Delta, 2NM Port Sidelight EN 14744 Luminous intensity Test Report
118-323-198		Report: Delta, 3NM Masthead EN 14744 Luminous intensity Test Report
118-323-196		Report: Delta, 1NM Starboard Sidelight EN 14744 Luminous intensity Test Report
		Doc: Lopolight, Light Test Overview
118-323-197		Report: Delta, 2NM Masthead EN 14744 Luminous intensity Test Report
118-323-192		Report: Delta, 2NM Yellow Towing Light EN 14744 Luminous intensity Test Report
119-323-005		Report: Delta, 3NM Stern Light EN 14744 Luminous intensity Test Report
119-323-057		Report: Delta, 3NM Red over 50m EN 14744 Luminous intensity Test Report
118-323-204		Report: Delta, 3NM Starboard Sidelight EN 14744 Luminous intensity Test Report
118-323-194		Report: Delta, 3NM Port Sidelight EN 14744 Luminous intensity Test Report
119-323-008		Report: Delta, 3NM Green over 50m EN 14744 Luminous intensity Test Report
119-323-004		Report: Delta, 3NM White EN 14744 Luminous intensity Test Report
118-323-162		Report: Delta, 3NM Yellow Towing Light EN 14744 Luminous intensity Test Report
118-323-199		Report: Delta, 3NM Port Sidelight EN 14744 Luminous intensity Test Report
119-323-006		Report: Delta, 5NM Masthead EN 14744 Luminous intensity Test Report
118-323-193		Report: Delta, 3NM Starboard Sidelight EN 14744 Luminous intensity Test Report
118-323-205		Report: Delta, 2NM Port Sidelight EN 14744 Luminous intensity Test Report