TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB000079G
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)
200-064 and 300-113

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

200-064 5nm 360° maneuvering light, single
300-113 3nm yellow towing light, single

The LED Towing Light 300-113 may only be fitted to vessels of 50 metres or more in length.

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.
• LEDs should only be used within the lifespan specified by the manufacturer to maintain the necessary luminous intensity of LEDs. The lifespan of LEDs should be determined and clearly notified to the manufacturer based on the appropriate test results on the decrease of luminous intensity of the LEDs under various temperature conditions of LEDs in the light during operation, taking the appropriate margin into the account.

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
118-323-112		Rapport: measurement P/N 300-113-B luminous intensity
200-064 300-113		Manual: Installation instructions fpr P/N 300-113 and P/N 200-064
QinetiQ/MS/EES/T STR0801218/1	I4 July 2008	Report: QinetiQ - BS EN 60945:2002 Lopolight
300-113		Datasheet: 300-113 – 3NM 135° YELLOW TOWING LIGHT
200-064AA to -HA	Rev. 0	Drawings 200-064 5nm 360 Deg White Maneuvering light - Round Housing, PE Base.
DELTA-L102542-3		Report: DELTA EN 14744: Lopolight, Part no 300-138; Type Masthead 225°, 6nm
118-323-112	19 July 2018	Report: Delta - Luminous intesity and chromaticity of 3nm 135 deg YELLOW towing light
300-113AC to -HD	rev. 0	Drawing: 300-113 3nm Towing Light for vessels over 300-113 3nm Towing Light for vessels over
200-064		Datasheet: 200-064-D 5nm 360 white meneuveriong light
T203286	1	Report: DELTA IEC60945 - 6NM Masthead Navigation Light
QinetiQ/MS/EES/T STR0801218/1	4 July 2008	Report: Qinetiq BS EN 60945:2002 Customer Report on Lopolight ApS ‘New Generation Mastlights’ (Type 300-101 to 300-112)