

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB000079J
Revision no.:
1

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the **Navigation lights**

with type designation(s)

Single and Double LED Navigation Lights, Lopolight Part Numbers 200-012, 200-014, 200-016, 200-015, 200-018, 200-024, 300-112, 300-114, 300-115

issued to

Lopolight ApS
Humblebaek, Denmark

is found to comply with the Implementing Regulation (EU) 2025/1533 for
Item no. **MED/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)

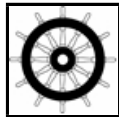
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2026-02-18**

Expiry date: **2031-02-17**

DNV local unit:
Denmark CMC

Approval Engineer:
Tommi Juhani Rifaat



Notified Body
no.: **0098**



for **DNV SE**

Digitally Signed By:

Christine Mydlak-Röder

Christine Mydlak-Röder
Head of Notified 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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

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 Double LED Navigation Lights, Lopolight Part Numbers:
200-012, 200-014, 200-015, 200-016, 200-018, 200-024, 300-112, 300-114 and 300-115.

The LED navigation lights type Masthead 301-011/301-0011KL/301-011KLST may only be fitted vessels of 12 metres or more 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 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.

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

Certificate no.:
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Document No.	Rev.	Title
BSH/4615/6010418 /06		Report: Front page BSH EN14744
1074	I	Report: Qinetiq EN 60945: Lopolight New Generation Mastlights' (Parts 300-102 to 300-015 (COLREG above 50m lights)
BSH/4615/6010723 /07		Report: BSH (draft) EN 14744:2005:E Lopolight LED (Parts 300-102 to 300-015 (COLREG above 50m lights)
QINETIQ/D&TS/SS /CR0600363		Report: Qinetiq - To Selected clauses of UK Marine Shipping Notice -1781 - Being the UK implementation of COLREG 72 - Lopolight LED Navigation Lights
200-007 (s)	Rev 1.2	manual: Installation instructions for Lopolight 200-007/200-007S
600-321	Rev 1.21	Manual: Instalaltion instructions for Lopolight mount navigation lights (parts 100-001 to 300-006)
200-016 200-018 200-024	Rev 1.01	Manual: Installation instructions for Lopolight 2nm 180 dergee lights
600-322	5	Manual: Installation instructions forl Lopolight vertical mout navigation lights- Part 100-003 to 300-009
600-326	Rev 1.1	Manual: Instalaltion instructions for Lopolight Navigation Light Over 50 meters 30 - Parts 300-101 to 300-115
29-08-06, software version: 1.30	rev: 05-11-2008,	Doc.: LED driver information DCLD driver system
200-012	0	Drawing: Lopolight, White - Anchor
200-014		Drawing: Lopolight, Red 50 meter
200-015		Drawing: Lopolight, Green 50 Meter
200-018		Drawing: Lopolight, 2NM Green
200-024		Drawing: Lopolight, 2NM White
200-016		Drawing: Lopolight, 2NM Red
300-114		Drawing: Lopolight, Red above 50m
300-112		Drawing: Lopolight, 3NM White
300-115		Drawing: Lopolight, Green above 50m