

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:  
**MEDB000079G**  
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)  
**200-064 and 300-113**

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)**

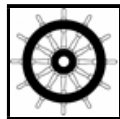
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2026-02-01**

Expiry date: **2031-01-31**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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

Certificate no.:  
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 Revision no.:  
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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 for P/N 300-113 and P/N 200-064
QinetiQ/MS/EES/T STR0801218/1	14 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 intensity 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 maneuvering 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)