

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB0000625
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)

Series 66N, 66ND, 66N MIL, 66ND MIL, 66N MIL Arctic, Series 66ND MIL Arctic, 75, 75D, 75 Arctic, 75D Arctic, 76N, 76ND, 76N Arctic, 76ND Arctic

Issued to

Glamox Marine and Offshore GmbH
Bremen, Germany

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2020/1170,
item No. MED/6.1. COLREG 72 as amended, Annex I/14, IMO Res. A.694(17), IMO Res. MSC.253(83)

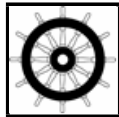
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-09-11**.

Issued at **Hamburg** on **2021-06-11**

DNV local station:
Hamburg – CMC North/East

Approval Engineer:
Didier Girardin



Notified Body
No.: **0098**

for **DNV SE**

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Christine Mydlak-Roeder
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 300,000 USD.



Product description

The Navigation lights single-tier Series 66N, 66N MIL, 66N MIL Arctic, 75, 75 Arctic, 76N, 76N Arctic and double tier Series 66ND, 66ND MIL, 66ND MIL Arctic, 75D, 75D Arctic, 76ND, 76ND Arctic.

Double tier version holds two independent and galvanically isolated systems, each with its own electronic driver and associated LED-circuits (optical system). Both versions share the same housing elements, including heat sink, glass cover and sealing elements. Both, Series double & single tier type, address vessel of >20 m in length, based on their light intensity levels. Housing is made of sea-water resistant aluminium alloy, completely anodized and /or additionally powder coated. LED Electronic lifetime control included within the electronic driver.

Product list: See ANNEX

Application/Limitation

Series 66N, 66N MIL, 66N MIL Arctic, 66ND, 66ND MIL, 66ND MIL Arctic

Series 75, 75 Arctic, 76N, 76N Arctic, 75D, 75D Arctic, 76ND, 76ND Arctic.

- Each product is to be supplied with its manual for installation, maintenance and use.
- Electric LED navigation lights on vessels of 20 and more meter length.
- Dependent on Series navigation lights to be supplied with either 24 Vdc or 115 / 230 Vac, double tier versions also in combination of 24 Vdc and 115 / 230 Vac available.
- The navigation lights to be installed in accordance with COLREG 72 as amended and maker's instructions.
- The military navigation lights of the series 66N, 66ND, 66N MIL, 66ND MIL, 76N and 76ND including Arctic versions to be operated with a navigation light controller supplied by Glamox.

Type Examination documentation

Hidden

Tests carried out

- EN 14744 (2005 - including AC 2006)
- IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008).
- COLREG 72, Annex I/14
- MSC.253(83)
- IMO Res.A.694(17)

Marking of product

According to Article 10 of the Council Directive (MED) and including information required by the LSA Code § 1.2.2.9 and § 1.2.3

- Manufacturer name
- Type identification
- Serial number
- Visibility of light in nautical miles

ANNEX

Product List



Job Id: **344.1-009952-2**
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