EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000BHB
Revision no.:
0

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)
Navigation Lights CXH(1/2/3/4/6)-1; CXH(1/2/3/4/6)-2

issued to
Zhejiang Hule Electric Equipment Manufacture Co., Ltd.
Jiaxing, **China**

is found to comply with the Implementing Regulation **(EU) 2024/1975** 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: **2025-08-25**

Expiry date: **2030-08-24**

DNV local unit:
Shanghai

Approval Engineer:
Tommi Juhani Rifaat

Notified Body
no.: **0098**

for **DNV SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Please see Appendix: Product Description

Application/Limitation

CXH(1/2/3/4/6)-1 (single layer); CXH(1/2/3/4/6)-2: Electric navigation lights according to COLREG with the above ranges of visibility type AC 115V, 60W or AC 230V, 65W

Each product is to be supplied with its manual for installation, maintenance and use

Type Examination documentation

Tests carried out

•EN 14744 (2005 - including AC 2006)
•IEC 60945 Ed. 4.0, 2002 incl. Corr.1, 2008

Marking of product

In accordance with EN 14744

APPENDIX
Product Description

Certificate no.:
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Navigation Lights CXH(1/2/3/4/6)-**1** (single layer); CXH(1/2/3/4/6)-**2** (double layer)

Navigation starboard light			
1	CXH1-1	Starboard light, green lampshade, 112, 5°	3 nm
2	CXH2-1	Port light, red lampshade, 112.5 °	3 nm
3	CXH3-1	Masthead light, white lampshade, 225°	6 nm
4	CXH4-1	Sternlight, white lampshade, 135°	3 nm
5	CXH6-1	All-round light, white & red lampshade, 360°	3 nm
6	CXH1-2	Starboard light, green lampshade, 112, 5°	3 nm
7	CXH2-2	Port light, red lampshade, 112.5 °	3 nm
8	CXH3-2	Masthead light, white lampshade, 225°	6 nm
9	CXH4-2	Sternlight, white lampshade, 135°	3 nm
10	CXH6-2	All-round light, white & red lampshade, 360°	3 nm

Notes:
Lamp holder type P28S, Mairne incandescent light bulb P28S NAV-T38, IP56

CXH(X_0)-(X_1)(X_2):

(X_1)=1: Single layer
(X_1)=2: Double layer
(X_2)=Ø: AC 230V, 65W
(X_2)=B: AC 115V, 60W