

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00003W0**  
Revision No:  
**2**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

**This is to certify:**  
**That the Navigation lights**

with type designation(s)  
**CXH1-101P, CXH2-101P, CXH3-101P, CXH4-101P, CXH6-101P, CXH1-11P, CXH2-11P, CXH3-11P, CXH4-11P, CXH6-11P**

Issued to  
**Haixing Maritime Electric Group Co. Ltd.**  
**Wenzhou, 130, China**

is found to comply with the requirements in the following Regulations/Standards:  
Regulation (EU) 2022/1157,  
item No. MED/6.1. COLREG 72 as amended, Annex I/14, IMO Res. A.694(17), IMO Res. MSC.253(83)

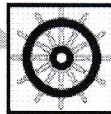
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-06-24**.

Issued at **Høvik** on **2023-06-25**

DNV local unit:  
**Ningbo FIS**

Approval Engineer:  
**Tommi Juhani Rifaat**



Notified Body  
No.: **0575**



for **DNV AS**  
Digitally Signed By: Elter, Frederik Tore  
Location: DNV Høvik, Norway  
on behalf of

**Sverre Olav Bergli**  
**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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.





Job Id: 344.1-007959-3  
 Certificate No: MEDB00003W0  
 Revision No: 2

## Product description

Navigation lights: Starboard light, Port light, Sternlight, Masterhead Light, All-round light

Navigation lights			Single/ double deck	
1	CXH1-101P	Starboard light, green, 112, 5°	Dual	3 nm
2	CXH2-101P	Port light, red, 112.5 ° CXH2-101P	Dual	3 nm
3	CXH3-101P	Masthead light, white, 225°	Dual	6 nm
4	CXH4-101P	Sternlight, white, 135°	Dual	3 nm
5	CXH6-101P	All-round light, white, green, red 360°	Dual	3 nm
6	CXH6-101P	All-round light white, 360°	Dual	5 nm
7	CXH1-11P	Starboard light, green, 112, 5°	Single	3 nm
8	CXH2-11P	Port light, red, 112.5 °	Single	3 nm
9	CXH3-11P	Masthead light, white, 225°	Single	6 nm
10	CXH4-11P	Sternlight, white, 135°	Single	3 nm
11	CXH6-11P	All-round light, white, green, red, 360°	Single	3 nm
12	CXH6-11P	All-round light white, 360°	Single	5 nm

## Application/Limitation

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

## Type Examination documentation

DNV No	Drw No	Rev	Title
26	S-019	2.0	Manual: Haixing, CXH-series Product Instruction Manual
25	A11-089-WT	2011-10-31	Report: SITIIAS, CXH-series IEC 60945/ En 14744 Enviromental Test Report
14	W01104150026E/36	2013-1-24	Report: SQI, All-round light CXH6-101P 230V EN 14744 Test Report
22	W01104150031/41	2013-1-24	Report: SQI, All-round light CXH6-11P 230V EN 14744 Test Report
20	W01104150024E/34	2013-1-24	Report: SQI, Masthead Light CXH3-101P 230V EN 14744 Test Report
17	W01104150029E/39	2013-1-24	Report: SQI, Masthead light CXH3-11P 230V EN 14744 Test Report
19	W01104150023E/33	2013-1-24	Report: SQI, Port light CXH2-101P 230V EN 14744 Test Report
16	W01104150028E/38	2013-1-24	Report: SQI, Port Light CXH2-11P 230V EN 14744 Test Report
18	W01104150022E/32E	2013-1-24	Report: SQI, Starboard light CXH1-101P 230V EN 14744 Test Report
15	W01104150027E/37	2013-1-24	Report: SQI, Starboard light CXH1-11P 230V EN 14744 Test Report
13	W01104150025E/35	2013-1-24	Report: SQI, Stern light CXH4-101P 230V EN 14744 Test Report
21	W01104150030/40	2013-1-24	Report: SQI, Stern light CXH4-11P 230V EN 14744 Test Report
24	2010-1269-1	2010-05-21	Report: Zhejiang Kezheng, CXH-series IEC 60945 Temperature Test Report
23	2010-1269	2010-05-21	Report: Zhejiang Kezheng, CXH-series IEC 60945/ En 14744 Enviromental Test Report

## Tests carried out

- EN 14744 (2005 - including AC 2006)
- IEC 60945 Ed. 4.0, 2002 incl. Corr.1, 2008
- COLREG 72, Annex I/14
- MSC.253(83)





Job Id: 344.1-007959-3  
Certificate No: MEDB00003W0  
Revision No: 2

### 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

### Place of production

Haixing Maritime Electric Group Co. Ltd.Wuniu Industrial Zone 325103 Wenzhou,P.R'CHINA

仅限于昆山易美福



Job Id: 344.1-007959-3  
Certificate No: MEDB00003W0  
Revision No: 2

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# QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Certificate No: **MEDD00001FU**  
Revision No: **3**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

**This is to certify:**  
**That the Quality System for the products**

with type designation(s) as specified in the Appendix to this Certificate

Issued to  
**Haixing Maritime Electric Group Co. Ltd.**  
Wenzhou, 130, China

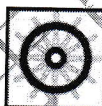
is found to comply with the applicable requirements.  
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2022/1157.

This Certificate is valid until **2028-06-26**.

Issued at **Høvik** on **2023-06-27**

DNV local unit:  
**Ningbo FIS**

Approval Engineer:  
**Tommi Juhani Rifaat**



Notified Body  
No.: **0575**



for **DNV AS**  
Digitally Signed By: Elter, Frederik Tore  
Location: DNV Høvik, Norway  
on behalf of

**Sverre Olav Bergli**  
Head of Notified Body

The manufacturer is allowed to affix the U.S. Coast Guard approval number(s) as stated in the appendix attached hereto and as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.



0575/yyyy

0575: Notified Body number undertaking quality surveillance  
yyyy: The year in which the mark is affixed



The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.  
This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein.  
This certificate loses its validity if the manufacturer makes any changes to the approved quality system which have not been notified to and agreed with the notified body named on this certificate. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.  
The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.

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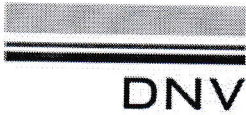


Form code: MED 211.NOR

Revision: 2022-12

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Job Id: 344.1-007960-4  
Certificate No: MEDD00001FU  
Revision No: 3

## APPENDIX

### Item no. MED/4.52 Daylight signalling lamp

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
CXD8 Daylight signalling lamp <sup>1</sup>	CCSG18MEDB017	2025-05-28	2676	165.166/EC2676 /CCSG18MEDB017 /EC0575

### Item no. MED/6.1 Navigation lights

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
CXH1-101P, CXH2-101P, CXH3-101P, CXH4-101P, CXH6-101P, CXH1-11P, CXH2-11P, CXH3-11P, CXH4-11P, CXH6-11P <sup>1</sup>	MEDB00003W0 Rev.2	2028-06-24	0575	N/A
CXH-series Navigation Lights <sup>1</sup>	MEDB00001KU Rev.4	2028-06-24	0575	N/A

### Places of production

1. Haixing Maritime Electric Group Co. Ltd., Wuniu Industrial Zone, Wenzhou, China

