



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)

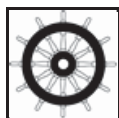
Further details of the equipment and conditions for certification are given overleaf.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



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)



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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



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