

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL 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)

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) 2018/773,**

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

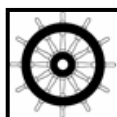
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-07-11.**

Issued at **Hamburg** on **2018-07-12**

DNV GL local station:
Ningbo

Approval Engineer:
Didier Girardin



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-007959-1**
Certificate No: **MEDB00003W0**

Product description

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

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

Approved navigation light source: Danlamp with P28S

Application/Limitation

Electric navigation lights according to COLREG with the above ranges of visibility suitable for 230V operation

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

Type Examination documentation

See Annex

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)

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

Annex

Hidden