

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 Position indicating lights for lifebuoys**with type designation(s)
XTQD-1(L)

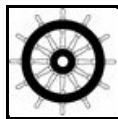
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**

item No. MED/1.2b. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code, 2000 HSC Code 8

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

This Certificate is valid until **2024-06-05.**

Issued at **Hamburg** on **2019-06-06**

DNV GL local station:
Jiangyinfor **DNV GL SE**Approval Engineer:
Didier GirardinNotified Body
No.: **0098****Gerhard Aulbert**
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-008608-1**
Certificate No: **MEDB00004HX**

Product description

Position indicating lights for lifebuoys
Type Name: XTQD-1(L)

Application/Limitation

Instruction for maintenance and operation manual to be provided with each delivery

Type Examination documentation

Test report : MSC/Circ.980, item 2,1,2 Lifebuoy Self-igniting Lights Evaluation and Test Report No. 2007070 dd.30/01/2008; Audit report and test report of short circuit dated 2014-12-17

Tests carried out

The products have been tested in accordance with
IMO Solas 74 Convention as amended, Regulations III(7, 22, 26, 32, 34)
IMO Res. MSC.36(63)-(1994 HSC Code) 8
IMO Res. MSC.97(73)-(2000 HSC Code) 8
IMO Res. MSC.48(66) as amended
MSC.81(70) as amended

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
- Lot number

USCG approval number: USCG 161.110/EC0098/MEDB00004HX

END OF CERTIFICATE