



EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000083F

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 Position indicating lights for life-saving appliances: (c) for lifejackets

with type designation(s)
YD50, YD50-JD

Issued to

Jiangsu Huayan Marine Equipment Co., Ltd.
Jiangsu, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2021/1158,

item No. MED/1.2c. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/26, III/32, III/34 & X/3, LSA Code, 2000
HSC Code 8

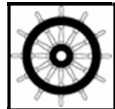
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-08-04**.

Issued at **Hamburg** on **2022-08-05**

DNV local station:
Nanjing NB & CMC

Approval Engineer:
Didier Girardin



Notified Body
No.: **0098**

for **DNV SE**

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Christine Mydlak-Roeder
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, and amended by Decision No 1/2018 dated February 18th, 2019.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 300,000 USD.



Product description

Position-indication lights for life jackets – Type YD50, YD50-JD

Application/Limitation

Lights powered by batteries shall be marked with means of determining their age or the date by which they are to be replaced.

For compliance with SOLAS Regulation III/35 and III/36, fully detailed operations and maintenance manuals shall be supplied with each light.

Suitable fixing for jacket light (and sensor) at the life jacket shall be provided

Type Examination documentation

Hidden

Drawings: YD50-00(EC) dd.2019-05-12 Test Report Wuhan Testing Center of Marine Life-saving Appliances, No. 2022048 dd.2022-06-22 and Test Report The Energy-Efficiency Testing Centre of Jiangsu Entry-Exit Inspection & Quarantine Bureau, No. YZ200312-JSHY-0002 dd.2020-03-31

Drawings: YD50-JD(EC) dd.2019-05-12 Test Report Wuhan Testing Center of Marine Life-saving Appliances, No. 2022049 dd.2022-06-22 and Test Report The Energy-Efficiency Testing Centre of Jiangsu Entry-Exit Inspection & Quarantine Bureau, No. YZ200312-JSHY-0003 dd.2020-03-31

Tests carried out

- IMO Res. MSC.81(70), as amended,
- IEC 60945:2002 incl. IEC 60945 Corr. 1:2008,
- ISO 24408: 2005.

Marking of product

To be marked with information requested by the LSA Code Paragraph 1.2.2.9 and 1.2.3

- Manufacturer name
- Type identification
- Serial or Lot number
- Date of expiry
- USCG Approval Number (See module D)