

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00008HY**

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 life-saving appliances: (b) for lifebuoys**

with type designation(s)  
**L90 LED**

Issued to

**Daniamant Ltd**  
**Portsmouth, Hampshire, United Kingdom**

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

Regulation (EU) 2023/1667,

**item No. MED/1.2b. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code, 1994/2000 HSC Code 8 and IMO MSC.1/Circ.1628**

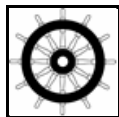
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-10-22**.

Issued at **Hamburg** on **2023-10-23**

DNV local unit:  
**UK & Ireland CMC & VMC**

Approval Engineer:  
**Marcin Tobiasz**



Notified Body  
No.: **0098**



for **DNV GL SE**

Digitally Signed By: Mydlak-Röder, Christine  
Location: DNV GL SE, Hamburg, Germany

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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.

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

"L90 LED"

is a dry cell powered self-activated lights for lifebuoys.

## 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.

Maximum installation Height: 76 m.

## Type Examination documentation

Report No. 23-01 issue 2 dated 5 October 2023 from Daniamant including:

- Test Report No. 75958630-01 Issue 01 dated 29 September 2023 from TÜV SÜD,
- Test Report No. 75958630-02 Issue 01 dated 28 September 2023 from TÜV SÜD,
- Test Report No. 75958630-03 Issue 01 dated 5 October 2023 from TÜV SÜD,
- Test Report No. 75958630-04 Issue 01 dated 4 October 2023 from TÜV SÜD,
- Test Report No. 75958630-05 Issue 01 dated 4 October 2023 from TÜV SÜD.

Test Report No. J-5036 dated 15 October 2013 from Murphy and Son.

Drawing No. 63-4000D dated 22 February 2007 from Daniamant.

Drawing No. 63-4001D dated 27 February 2007 from Daniamant.

Drawing No. 63-101D Issue 12 dated 3 October 2023 from Daniamant.

Installation & maintenance instruction 63-410 Issue 2 from Daniamant.

## Tests carried out

IMO Resolution MSC.81(70), part 1, 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