

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB0000614**  
Revision No:  
**2**

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: (c) for lifejackets**

with type designation(s)

**LJ2**

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/1.2c. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/26, III/32, III/34 & X/3, LSA Code, 1994/2000 HSC Code 8 and IMO MSC.1/Circ.1628**

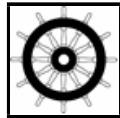
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-12-10**.

Issued at **Hamburg** on **2023-12-11**

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

Approval Engineer:  
**Marcin Tobiasz**



Notified Body  
No.: **0098**



for **DNV GL SE**

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

**Mydlak-Röder, Christine**  
**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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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**

“LJ2”

Position Indication non flashing lifejacketlights, with manually activated switch.

**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.

**Type Examination documentation**

Technical file doc. No. TF008, revision 03

Installation and Maintenance Instruction for LJ2 lifejacketed lights, Doc. No 51-7005 Issue 10 (C6495)

Test report No	Title	Date
14-06	2 M drop test with life test and switch arrangement test,	2014-04-24
TM-41-89	LJ2 Lifejacets light test	1989-10-31
M4-1997	LJ2 Lifejacets light test	1997-05-07
75917538, Issue 1	Environmental testing	2012-04-05
75925967	Temperature cycling test, Luminous intensity test, Chromatic test, Vibration test and rain and water tightness test	2014-06
TM-18-99	MSC 81(70) Type approval testing of LJ2 Lifejacets and its appendices	1999-06-22
J-5036	Microbiological test report	2013-10-15
123-29294-1 Rev. 3	Switch operation used to activate lights	2023-08-03

**Tests carried out**

IMO Res. MSC.81(70), as amended

EN 60945:2002 incl. IEC 60945 Corr. 1:2008

ISO 24408: 2005.

**Marking of product**

The product is to be marked with manufacturers name, type designation, serial or lot number, date of expire and Mark of Conformity. The expiring date shall be marked in accordance with the LSA Code, item 1.2.3 as amended by IMO Res. MSC 48(66).

END OF CERTIFICATE