

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB0000617**  
Revision No:  
**3**

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: (a) for survival craft and rescue boats**

with type designation(s)

**RB2-RL1, RB2-RL1 (RFD), RB2-RL1 (DSB), RB2-RL4, RB2-RL4 (RFD), RB2-RL4 (DSB) and RB2-RL4 Survitec**

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/1.2a. SOLAS 74 as amended, Regulation III/4, III/34 & X/3, LSA Code I & IV, 1994 HSC Code 8, 2000 HSC Code 8 and IMO MSC.1/Circ.1628**

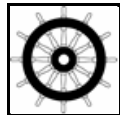
Further details of the equipment and conditions for certification are given overleaf.

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

Issued at **Hamburg** on **2023-12-13**

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

Approval Engineer:  
**Marcin Tobiasz**



Notified Body  
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

“RB2-RL1, RB2-RL1 (RFD), RB2-RL1 (DSB), RB2-RL4, RB2-RL4 (RFD), RB2-RL4 (DSB) and RB2-RL4 Survitec”  
 Flashing external lights for life rafts - RB2-RL1, RB2-RL1 (RFD), RB2-RL1 (DSB).  
 Liferaft internal lights - RB2-RL1, RB2-RL1 (RFD) and RB2-RL1 (DSB).

### Application/Limitation

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. TF010, revision 03  
 Installation and Maintenance Instruction, Doc. No 58-7015-PAT Issue 12 (C6495)  
 Technical file doc. No. TF009, revision 03  
 Installation and Maintenance Instruction 58-7010-PAT Issue 11, (C6495)

Test report No	Title	Date
009-001	Vibration, oil resistance and rain test	2001-11-06
TM-2-1998	Temperature cycling test and Light output test	1998-06-04
75917538, Report 01 Issue 1	Environmental testing of Life raft Lights	2012-04-01
75925967, Report 01 Issue 1	Temperature cycling test, Chromatic test, Vibration test and rain and water tightness test	2014-06
TM-17-99	Vibration test, Chromatic test, Mould Growth Test, Rain and water tightness test, Switch arrangement test, Solar radiation test, Oil resistant test and Fire test	1999-06-22
TM-47-90	Temperature cycling test, Performance test, Light output test, Two meter drop test, Vibration test and Water tightness test	1991-01-07
Env/18262	Moulded growth test	2002-09-11
123-29294-1 Rev. 3	Switch operation used to activate lights	2023-08-03
08-09	Life test, Light output test	2008-03-26
14-09b	Life test	2014-06-17
TM-16-99	Chromatic test, rain and water tightness test, Switch arrangement test, Solar radiation test, Oil resistant test and Fire test	1999-06-22

### 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