



TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB0000617
Revision No:
1

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

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, United Kingdom

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

Regulation **MSN 1874 Amendment 7,**

item No. UK/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 **2029-01-27**.

Issued at **London** on **2024-01-28**

DNV local unit:
UK & Ireland CMC & VMC



for **DNV UK Ltd.**

Approval Engineer:
Marcin Tobiasz

Approved Body No.: **0097**

Christine Mydlak-Röder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

"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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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