



TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB0000618
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)
RL5 Daniamant

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

"RL5"

Manually controlled flashing position indication lights for survival craft.

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. TF011, revision 05

Installation and Maintenance Instruction RL5 Liferaft Lights, 48-135 Issue 05 (C6495)

Test report No	Title	Date
010-06	RL5 Evaluation and test report	2006-05-15
08-10	RL5 tested to meet requirements of MSC226(82)	2008-03-26
11-01	RL5 with Modified 8 LED External Light Assembly	2011-03-16
OC-0599-01	Optical Testing of Survivor Locator Lights Daniament Type RL5 (Report to support 75934744)	2016-06-11
OC-0576-01	Optical Testing of Survivor Locator Lights Daniament Type RL5 for use of alternative LED	2016-02-18
OC-0654	Optical Testing of Survivor Locator Lights Daniament Type RL5 (Report to support 75936166)	2016-11-04
15256-2	Moulded Grow Test	2012-02-15
75934744 THC 01 Issue 1	Thermal cycling and Chromaticity test	2016-04-28
75932844 THC 02	Thermal cycling test, flash rate test and luminous intensity test	2016-07-21
75917538 Issue 1	Environmental Testing to BS EN 60945:2002 (as required by amendment to MSC 81(70) – MSC323(89)	2012-04
75936166	Environmental Testing of RL5 lights for use of alternative LED	2016-11-24
Danak – 19/13095	Type Approval testing for the acceptance of laser marking of lights, Visual Inspection, Corroton Oil resistance and Solasr Radiation of M2 and M3 lights	2013-05-15
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