

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that :

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Life Saving Appliance requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC and 2009/26/EC subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer Daniamant Limited

Address Unit 3, Admiral Park
Airport Service Road
Portsmouth
Hampshire, PO3 5RQ
United Kingdom (UK)

Annex A1 Item A.1/1.2a POSITION-INDICATING LIGHTS FOR LIFE-SAVING APPLIANCES - FOR SURVIVAL CRAFT & RESCUE BOATS

Product Type LIFERAFT LIGHTS

Product Description Manually controlled non-flashing Internal Light for Survival Craft - Type: "Daniamant RB2-RL1" and variant "RB2-RL1 (RFD)" and variant "RB2-RL1 (DSB)

Specified Standards IMO Resolution MSC.81 (70), Part 1 amended by Resolution MSC.226 (82)
ISO 24408 (2005)

The attached Design Appraisal Document (schedule) forms part of this certificate.
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

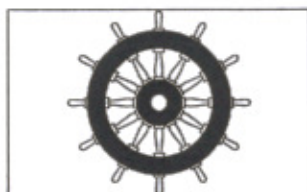
Date of issue 5 July 2010 Expiry date 1 April 2013

Certificate No. MED 0850076/M2 Signed

Sheet No 1 of 3 Name L. Thomas
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

Note:

This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



0038/yy

Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.
yy Last two digits of year mark affixed.

This certificate is issued under the authority of the MCA.

"Lloyd's Register Verification is the business name of Lloyd's Register Verification Limited, a member of the Lloyd's Register Group.
Registration number 4929226.
Registered office 71 Fenchurch Street, London EC3M 4BS, England

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 5 July 2010	Quote this reference on all future communications LDSS/TA/SFS/LT
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 0850076/M2

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

EXAMINED DOCUMENTATION

- Technical File No. TF009, Rev. 01, Review Date 03/07/2009.

TEST REPORTS

Report Title or Report Author

McMurdo Limited Test Reports:-

All tests witnessed by UK Department of Transport Surveyors, UK MCA appointed Notified Bodies, or other Authority acceptable to LR

Report No.

Date

TM-47-90	07 Jan 1991
TM-2-1998	04 Jun 1998
TM-16-99	22 Jun 1999
TRB2 RL1 trials	03 Dec 2001
08-09	26 Mar 2008

RL1 Tested to meet the requirements of MSC.226 (82), witnessed by LR Surveyor

Notes:

RB2-RL1 survival craft internal light and variant specified on Page 1 of this certificate incorporate a test facility and may be supplied for fitting to liferafts, lifeboats and rescue boats.

Maximum stowage height = 36 metres

CONDITIONS OF CERTIFICATION

1. The battery/light unit must be replaced on or before the expiry date marked on its labels. The date of expiry shall not exceed 50% of the service life of the battery as established by the battery manufacturer.
2. Detailed fitting, maintenance and in service test instructions are to be provided to each purchaser of the subject lights.
3. Each light is to be marked with the information required by the LSA Code Regulation 1.2.2.9 and ISO 24408 Paragraph 4.3.
4. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
5. Production items are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), or Product Quality Assurance (Module E), or Product Verification (Module F) of the Marine Equipment Directive.

CERTIFIED COPY

DESIGN APPRAISAL DOCUMENT

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- Production tests are to be conducted to ensure compliance with SOLAS Chapter III Regulation 5, MSC.81(70) Part 2 Paragraph 1.2 and ISO 24408 (2005) Annexe A -Production testing and inspection procedures; they must be; they must be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D), or Product Quality Assurance (Module E), or witnessed by the Notified Body (LRV) as required by the Product Verification (Module F) of the Marine Equipment Directive. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration.
- Should a change of Place of Production from that stated below be required, i.e. where the final stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.
- Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.

PLACE OF PRODUCTION

Daniamant Limited
Unit 3, Admiral Park
Airport Service Road
Hilsea

Daniamant ApS
Industrivej 24 C
3500 Slangerup
Denmark

Portsmouth

Hants, PO3 5RQ

Lijo Thomas



Lijo Thomas

Surveyor

For and on behalf of Lloyd's Register Verification

LRV EC Distinguishing No. 0038