Lloyd's Register

mca Maritime and Coastguard Agency
An Executive Agency of the Department for Transport

CERTIFIED COPY

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, The Admiral Park Airport Service Road Portsmouth Hampshire, PO3 5RQ United Kingdom (UK)
Annex A1 Item	**A.1/1.2 - POSITION-INDICATING LIGHTS FOR LIFE-SAVING APPLIANCES: (c) FOR LIFEJACKETS**
Product Type	**LIFEJACKET LIGHTS**
Product Description	Lifejacket water activated flashing light – Type: **"Daniamant L7A"**
Specified Standard	IMO Resolution MSC.81(70) Part 1 amended by resolution MSC.226(82) and MSC 200(80) 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	12 October 2010	Expiry date	11 October 2015
Certificate No.	MED 1050221	Signed	Lloyd's Register Verification Limited
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.

Lloyd's Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Telephone 020 7423 2416 Fax 020 7423 2053
Email tad@lr.org

CERTIFIED COPY

Document number
MED 1050221

Issue number
1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
12 October 2010	LDSO/TA/SFS/LT

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1050221

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 Number TF003, Revision 04.

TEST REPORTS

Daniamant Limited L7A Evaluation and Test Report, Report No. 014-05 dated 26th September 2005.
Daniamant Limited L6A Evaluation and Test Report, Report No. 010-05 dated 18th August 2005, to include the alternative material for L7A lifejacket light dome, as listed in the drawing 77-351D Rev 3.

CONDITIONS OF CERTIFICATION

1. Replacement of the batteries is not allowed and their removal should not be possible without destroying the container. The date of expiry of the light shall not exceed 50% of the service life of the battery as established by the battery manufacturer. The light unit must be replaced on or before the expiry date marked on its label.
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. The lifejacket type where the subject design of light is fitted should be tested in accordance with IMO Resolution MSC.81(70), I/10.3.3 to confirm the adequacy of their means of attachment.
5. 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.
6. The arrangements and installation of the lights on board are not part of this design appraisal or certificate and are to be to the satisfaction of the Surveyors attending on board.
7. 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.

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8. 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 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 the Administration.

9. Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity" after a conformity assessment module is in place.

10. Should a change of Place of Production from that stated below be required, i.e. where 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.

PLACES OF PRODUCTION

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

and

Daniamant ApS
Industrivej 24C
3550 Slangerup
Denmark

Lloyd's Register Verification Lloyd's Register

L. Thomas
Senior Surveyor
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

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