

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, 2009/26/EC and 2010/68/EU subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer Daniamant Limited

Address Unit 3, The Admiral Park
Airport Service Road
Hilsea
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 Position Indicating flashing light for lifejackets - Type: "L7-A2"

Specified Standard IMO Resolution MSC 81(70) Part 1 as amended by resolution MSC.226 (82), MSC.200(80) and MSC.323(89).

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.

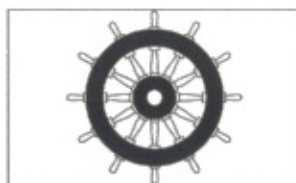
Date of issue 21 November 2011 Expiry date 20 November 2016

Certificate No. MED 1150307 Signed

Sheet No 1 of 3 Name A. Prestigiacomo
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.



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

0038/yy

"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."

DESIGN APPRAISAL DOCUMENT

Date 21 November 2011	Quote this reference on all future communications LDSO/TA/SFS/AP
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1150307

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 -TF016, Revision 01.

Installation and Maintenance Instruction for L7A2 lifejacket light Document no 77-419-001 Issue 2.

TEST REPORTS

<u>Report No:</u>	<u>Report Title or Test Description:</u>	<u>Date:</u>
010-05	Prototype Test Report as witnessed by a Lloyd's Register surveyor.	25 th July 2012
11-07	Prototype Test Report performed at TUV SUD product service laboratory UK	14 th November 2011

CONDITIONS OF CERTIFICATION

- For compliance with SOLAS Regulation III/35 and III/36 fully detailed operations and maintenance manuals shall be supplied with each light.
- Lights powered by batteries shall be marked with a means of determining their age or the date by which they are to be replaced. The date of expiry shall not exceed 50% of the service life of the battery as established by the battery manufacturer.
- Each light is to be marked with the information required by the LSA Code Paragraph 1.2.2.9 and 1.2.3.
- 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.
- The arrangements and installation of the lights on the lifejacket on board are not part of this design appraisal or certificate and are to be to the satisfaction of the Surveyors attending on board.
- 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.

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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.
8. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81(70), Part 2 and 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.
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".
10. Should a change of Place of Production from that stated below be required i.e. where the 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
Hilsea, Portsmouth
Hampshire, PO3 5RQ
United Kingdom (UK)

and

Daniamant ApS
Industrivej 24C
3550 Slangerup
Denmark



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