



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), designated as a "notified body" under the terms of the Merchant Shipping (Marine Equipment) Regulations 2016, 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) 2014/90/EU subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer (Applicant)	Daniamant Limited
Address	Unit 3 The Admiral Park, Portsmouth, Hants. PO3 5RQ
Reference/Regulation Item (No & Item designation)	A.1/1.2 Position Indicating light for lifesaving appliances: (c) For Lifejackets
Product Type	Lifejacket Lights
Product Description	Flashing Lifejacket Light – Type: "L6-Ex and L6 A-Ex"
Specified Standard	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 3 November 2016 Expiry date 2 November 2021

Certificate No. MED 1650264

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 issued under the authority of the MCA.

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.

Lloyd's Register Verification Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK. A subsidiary of Lloyd's Register Group Limited.

Lloyd's Register Group Limited, 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'. Lloyd's Register 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 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

Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

Page 2 of 3
Document number MED 1650264
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 3 November 2016	Quote this reference on all future communications SOUTSO/SFS/TA/LT/WP27423868
-------------------------	--

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1650264

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 -TF017, Rev 02.

Installation and Maintenance Instruction for L6A-Ex, Document No 79-353-001, Issue 7.

Installation and Maintenance Instruction for L6-Ex, Document No 79-317-001, Issue 7.

TEST REPORTS

Microbiological test, report serial no. J-5036, dated 15/10/2013.

L6-Ex and L6A-Ex Lifejacket Lights Evaluation and Test Report, Report No: 11-08, dated 16 August 2011.

L6A Lifejacket Lights Evaluation and Test Report, Report No: 010-05, dated 25 July 2005.

L6 Lifejacket Lights Evaluation and Test Report, Report No: 006-01, dated 03,04,05 October 2001.

Environmental testing, report No 75914530, report 01, issue 1, dated 10 August 2011.

CONDITIONS OF CERTIFICATION

1. Lights powered by batteries shall be marked with a means of determining their age or the date by which they are to be replaced
2. Each light is to be marked with the information required by the LSA Code Regulation 1.2.2.9 and 1.2.3
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
4. Lights which have reached their date of replacement shall be disposed of safely with due regard to their lithium batteries
5. For compliance with SOLAS Regulations III/35 and III/36 fully detailed Operations and Maintenance Manuals shall be supplied with each light
6. The arrangements and installation of the lights on lifejackets 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. 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
8. Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity"
9. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place



Lloyd's
Register

Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

Page 3 of 3
Document number MED 1650264
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 3 November 2016	Quote this reference on all future communications SOUTSO/SFS/TA/LT/WP27423868
-------------------------	--

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1650264

- Production tests are to be conducted to ensure compliance with SOLAS Chapter III Regulation 5 and 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

PLACES OF PRODUCTION

Daniamant Limited,
Unit 3 The Admiral Park,
Portsmouth,
Hants.
PO3 5RQ

Daniamant ApS,
Industrivej 24C,
3550 Slangerup,
Denmark.


Lloyd's Register Verification Ltd

Lijo Thomas
Senior Specialist
Statutory Fire & Safety
Southampton Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038