



## 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.

<b>Manufacturer (Applicant)</b>	Daniamant Limited
<b>Address</b>	Unit 3, The Admiral Park Airport Service Road Hilsea Portsmouth Hampshire PO3 5RQ United Kingdom
<b>Reference/Regulation Item (No &amp; Item designation)</b>	A.1/1.2 Position-indicating lights for life saving appliances: (a) For survival craft and rescue boats
<b>Product Type</b>	LIFERAFT LIGHTS
<b>Product Description</b>	Manually controlled flashing position indicating lights for survival craft - Type "Rescue-Master 1, Rescue-Master Lite GB"
<b>Specified Standard</b>	IMO Resolution MSC.81(70), Part 1, as amended by Resolution MSC.226(82), MSC.200(80) & 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            22 November 2016            Expiry date            21 November 2021

Certificate No.            MED 1650281

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 1650281
Issue number 1

**DESIGN APPRAISAL DOCUMENT**

Date 22 November 2016	Quote this reference on all future communications SOUTSO/SFS/TA/MM/LT/WP27423868
--------------------------	---

**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1650281**

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.

**APPROVAL DOCUMENTATION**

<u>Plan/Doc No.:</u>	<u>Revision</u>	<u>Title or Description</u>
TF-DK-08	02	Technical File

Installation and Maintenance Instruction, Rescue Lite-GB/Rescue Master 1, 23-713, Issue 03 (C6469)

**TEST REPORTS**

Light output test, test report No. 09-07, dated 7<sup>th</sup> May 2009.  
Temperature cycling test carried out at Force Institute for Rescue Master 1 survival craft internal lights, test report No. 110984/m1445-481.c, dated 24-03-1999.  
Fire test report, Danish Institute of Fire Technology, File No: F10719, dated 19-04-1999. Measurement of Chromaticity, test report No. DANAK-KAP724037-1304, dated 04-05-1999.  
Vibration test, test report No. K251078, dated 03-06-1999.

**CONDITIONS OF CERTIFICATION**

- Lights powered by batteries shall be marked with a means of determining their age or the date by which they are to be replaced.
- Each light is to be marked with the information required by the LSA Code Paragraph 1.2.2.9 and 1.2.3.
- For compliance with SOLAS Regulation III/35 and III/36, fully detailed operations and maintenance manuals shall be supplied with each light.
- The arrangements and installation of the lights on survival crafts 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
- 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
- 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 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



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 1650281
Issue number 1

**DESIGN APPRAISAL DOCUMENT**

Date 22 November 2016	Quote this reference on all future communications SOUTSO/SFS/TA/MM/LT/WP27423868
--------------------------	---

**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1650281**

- 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. 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

Daniamant ApS  
Industrivej 24C  
3550 Slangerup  
Denmark



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**