Lloyd's Register

Notified Body authorised by the MCA

Maritime & Coastguard Agency

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 (S.I. 2016 No.1025), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Life-saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission Implementing Regulation (EU) 2018/773 indicating design, construction and performance requirements and testing standards for marine equipment, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer (Applicant) Address	Daniamant Limited Unit 3, The Admiral Park Airport Service Road Hilsea Portsmouth Hampshire PO3 5RQ United Kingdom
Reference Regulation Item (No & Item designation)	Regulation 2018/773 MED/1.2a
Product Type	Position-indicating lights for life saving appliances: (a) For survival craft and rescue boats
Product Description	Manually controlled flashing position indicating lights for survival craft – Type **"SL-400"**
Specified Standard	IMO Resolution MSC.81(70), Part 1, as amended

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	19 October 2018	Expiry date	18 October 2023
Certificate No.	MED 1850187	Signed	Lloyd's Register Verification Limited Lloyd's Register
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.

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Document number
MED 1850187
Issue number
1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
19 October 2018	UKITSO/SFS/TA/LT/WP33193640

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1850187

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

Plan/Doc No.:	Revision	Title or Description
TF--021	02	Technical File

Installation and Maintenance Instruction, SL-400 Survival Craft External Light, 24-113, Issue 01 (C6645)

TEST REPORTS

IMO resolution MSC.81(70) testing of the SL400 lights, Test Report No.75934622 report 01, issue 3, dated July 2017, witnessed by TUV product Service Ltd.

Optical testing of the SL400 lifeboat lights, Test Report No.75934622 report 02, issue 1, dated May 2017, witnessed by TUV product Service Ltd.

Mould growth testing, Report No 15702, Issue 2 dated 21st July 2016

Vibration testing, Nemko Report No E10024.00, dated 27/01/2010.

Rain and water tightness test, Nemko Report No E10091.00, dated 09/04/2010

Solar radiation test, Report No 6P06382, 30/07/2016

Fire tests on SL-400 Lifeboat Light, Report No. 6P05666, dated 09/08/2016

CONDITIONS OF CERTIFICATION

1. The "SL-400" position indicating lamp is intended for motorized survival crafts and to be connected to the crafts 12V electrical system
2. Each light is to be marked with the information required by the LSA Code Paragraph 1.2.2.9 and 1.2.3
3. For compliance with SOLAS Regulation III/35 and III/36, fully detailed operations and maintenance manuals shall be supplied with each light
4. 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
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. 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

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7. 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
8. 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
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	and	Daniamant A/S Industrivej 24C 3550 Slangerup Denmark

Lloyd's Register Verification Limited
Lloyd's Register
London

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

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