

**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 : (a) FOR SURVIVAL CRAFT & RESCUE BOATS

**Product Type** LIFERAFT LIGHTS

**Product Description** Mechanically activated position indicating light for use on liferafts - Type: "RL5 (Daniamant)"

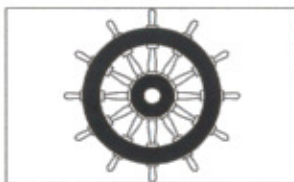
**Specified Standards** IMO Resolution MSC.81(70) Part 1 as amended by Resolution MSC.226(82)

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	24 March 2011	Expiry date	23 March 2016
Certificate No.	MED 1150094	Signed	 Lloyd's Register Southampton Office
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.



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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."

**DESIGN APPRAISAL DOCUMENT**

Date 24 March 2011	Quote this reference on all future communications LDSO/TA/SFS/LT
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**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1150094**

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**

- Daniamant Technical Manual TF011, RL5 Liferaft Light - Revision 02.
- Installation and maintenance instructions, Document No: 48-135 issue 2

**TEST REPORTS**

<u>Report No.</u>	<u>Report Title or Test Description</u>	<u>Date</u>
No. 010-06	RL5 Complete Evaluation and Test Report	15.06.2006
No. 08-10	RL5 Tested to meet the requirements of MSC.226(82), witnessed by LR Surveyor	26.03.2008
11-01 issue 2	Test report for RL5 with modified 8 LED external light assembly.	16.03.2011

**CONDITIONS OF CERTIFICATION**

- For use with SOLAS approved liferafts:
  - Certified for use with the battery described in the drawing no. 90-1000D listed above.
  - Certified for use with the battery "Type CR17505" Daniamant ApS Control number 5024"
- The battery/light unit must be replaced on or before the expiry date marked on its labels. 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 Regulation 1.2.2.9 and ISO 24408 Paragraph 4.3.
  - Detailed fitting, operation and disposal instructions are to be provided to each purchaser of the subject lights. As prescribed by SOLAS Regulation III/35 one or more additional copies shall be provided for inclusion in the vessel's Training Manual.
  - 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.
  - 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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6. 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.
7. 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 that Administration.
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

**NOTE:** Manufacturer operates a Quality Assurance system in accordance with ISO 24408(2005) as listed in MED Directive 2009/26/EC.

**PLACES OF PRODUCTION**

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

and

Daniamant ApS  
Industrivej 24C  
3550 Slangerup  
Denmark



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