


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, 2010/68/EU and 2011/75/EU subject to any conditions in the Design Appraisal Document attached hereto.

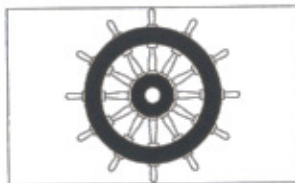
Manufacturer	Daniamant Limited
Address	Unit 3, The Admiral Park Airport Service Road Hilsea Portsmouth Hampshire, PO3 5RQ United Kingdom (UK)
Annex A1 Item	A.1/1.2 - POSITION-INDICATING LIGHTS FOR LIFE-SAVING APPLIANCES (b) FOR LIFEBOUYS
Product Type	POSITION INDICATING LIGHTS FOR LIFE-SAVING APPLIANCES : FOR LIFEBOUYS
Product Description	Self-activated light for use on lifebuoys - Type: "L90"
Specified Standard	IMO Resolution MSC 81(70) Part 1 as amended by Res.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	1 June 2012	Expiry date	31 May 2017
Certificate No.	MED 1250092	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.



0038/yy

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."



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Document number MED 1250092
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 18 May 2012	Quote this reference on all future communications LDS/F&S/TA/AP
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 1250092

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 -TF006, Rev 01.

<u>Dwg No.</u>	<u>Issue</u>	<u>Date</u>	<u>Drawing Title</u>
63-001F	2	25.11.2009	L90 Family Tree
63-B300A	1	21.02.2007	L90 Lifebuoy Light General Assembly
63-129B	1	21.02.2007	L90 Insert Sub-Assembly
63-101D	4	15.01.2008	L90 Approval Label
63-124D	4	14.09.2010	Artwork Printing Detail
63-4000D	1	22.02.2007	Body Float
63-4001D	1	27.02.2007	Dome
63-126	4	-	Installation and Maintenance Instructions
63-SPN-0001(C6230)	2	25.11.2009	Specification for Lifebuoy Light Model L90
63-1001D	1	16.02.2007	Battery, LR20 Alkaline

TEST REPORTS

- 'Comet' Lifebuoy self-igniting lights Evaluation and Test Reports, Article no 9120500, dated 02.11.2005 to 11.01.2006.
- Vibration Test Report in accordance with IEC 60945:2002, Document No 75917538 Issue 1 dated April 2012, performed at TUV SUD product service laboratory UK.

CONDITIONS OF CERTIFICATION

- For Lifebuoys
 - Approved for use with the battery described in the drawing no. 63-1001D above
 - Maximum installation height not to exceed 60 m
- 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 Regulation 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 board are not part of this design appraisal or certificate and are to be to the satisfaction of the Surveyors attending on board.



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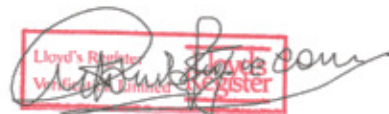
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5. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
6. Production items are to be manufactured in accordance 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. Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity"
8. Production items are to be manufactured in accordance with a quality control procedure and records kept as required by MSC.81(70) Part 2, Paragraph 1.2. Production tests are to be conducted to ensure compliance with SOLAS Chapter III Regulation 5. 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. 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.

PLACE OF PRODUCTION

Daniamant Ltd
Unit 3, The Admiral Park
Airport Service Road, Hilsea
Portsmouth
Hampshire
PO3 5RQ, UK

Daniamant ApS
Industrivej 24 C
3550 Slangerup
Denmark



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