

CERTIFICATE OF TYPE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Daniamant Limited
Address	Unit 3, Admiral Park Airport Service Road Hilsea Portsmouth Hants, PO3 5RQ United Kingdom (UK)
Product Type	LIFEJACKET LIGHTS
Product Description	Manually activated non-flashing position-indicating light for attachment to lifejackets. Type: "Daniamant LJ2"
Specified Standards	IMO Resolution MSC.81(70) Part 1 as amended, to date. BS EN ISO 12402-8:2006 as applicable

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue 18 December 2008

Expiry date 17 December 2013

Certificate No. SAS S080130

Signed



Sheet No 1 of 3

Name

P. Galbraith
Surveyor to Lloyd's Register EMEA
A Member of the Lloyd's Register Group

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 Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate.

"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 18 December 2008	Quote this reference on all future communications LDSS/PAS/LSA/LT/PG
--------------------------	---

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S080130

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

EXAMINED DOCUMENTATION

<u>Plan/Doc No.</u>	<u>Rev</u>	<u>Date</u>	<u>Title or Description</u>
TF008	-	August 2008	Technical File

TEST REPORTS

<u>Report Title or Report Author</u>	<u>Report No.</u>	<u>Date</u>
McMurdo Limited Test Reports:-	TM-41-89	31 Oct 1989
Technical Report	M4-1997	07 May 1997
LJ2 Aquacell performance test	TM-18-99	22 Jun 1999
	TLJ 2-Trials	30 Nov 2001

Witnessed by UK Department of Transport, UK appointed Notified Bodies or other Authorities accepted by LR.

Notes:

Lifejacket light type LJ2 is supplied in two connected sections with the lamp ready for fitting to the lifejacket and the power source on a lead so that it can be inserted into a pocket on the jacket and secured there.

The battery/light unit must be replaced on or before the expiry date marked on its labels.

CONDITIONS OF CERTIFICATION

- Detailed fitting, maintenance and in service test instructions are to be provided to each purchaser of the subject lights.
- Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/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.
- 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. This does not preclude any further testing to additional requirements of the Marine Administration of the country of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration.

Page
3 of 3
Document number
SAS S080130
Issue number
1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
18 December 2008	LDSS/PAS/LSA/LT/PG

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S080130

5. 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.

PLACE OF PRODUCTION

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

Daniamant ApS
Industrivej 24C
3550 Slangerup
Denmark

 

P. Galbraith
Senior Surveyor
Product Approval Services
London Design Support Services
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).