





**Lloyd's Register EMEA**  
 71 Fenchurch Street, London, EC3M 4BS  
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Document number SAS S110018
Issue number 1

**DESIGN APPRAISAL DOCUMENT**

Date 19 January 2011	Quote this reference on all future communications LDSO/TA/SFS/LT
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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S110018**

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>Rev No.</u>	<u>Title</u>
01	Technical File TF-DK-17

**TEST REPORTS**

<u>Report No.</u>	<u>Date</u>	<u>Report Title</u>
12-2010	23/12/2010	Evaluation and test report for lifejacket lights DAN M3, MR3, W3, and WR3

**CONDITIONS OF CERTIFICATION**

1. This lifejacket light is for attachment by recessing into buoyancy foam only, lifejackets are to be types specifically designed for this.
2. Replacement of the batteries is not allowed and their removal should not be possible without destroying the container. The date of expiry of the light shall not exceed 50% of the service life of the battery as established by the battery manufacturer. The light unit must be replaced on or before the expiry date marked on its label.
3. Detailed fitting, maintenance and in service test instructions are to be provided to each purchaser of the subject lights.
4. 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.
5. The lifejacket type where the subject design of light is fitted should be tested in accordance with IMO Resolution MSC.81(70), I/10.3.3 to confirm the adequacy of their means of attachment.
6. 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.
7. 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.



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8. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81(70), Part 2, Paragraph 1.2 and ISO 24408:2005 Annexe A -Production testing and inspection procedures. 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.

**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
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L. Thomas  
 Senior Surveyor  
 Statutory Fire & Safety  
 London Design Support Office  
 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).*