

EU TYPE-EXAMINATION CERTIFICATE

1. EU type-examination Certificate (Module B)
2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)



3. EU type examination certificate Nr **ITS11ATEX27239 R.1**

4. **Product:** L6-Ex & L6A-Ex Life Jacket Lights

5. **Manufacturer:** Daniamant Ltd.

Applicant: Daniamant Ltd.

6. **Address:** Unit 3, The Admiral Park,
Portsmouth,
Hampshire,
PO3 5RQ

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7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.
8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 104622298LHD-001, dated 23rd April 2021.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018 and EN 60079-11:2012 except in respect of those requirements referred to at item 16 of the Schedule.
10. If the sign X is placed after the certificate number, it indicates that the product is subject to Special Conditions for Safe Use specified in the schedule to this certificate.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
12. The marking of the product shall include the following:



II 2 G Ex ia IIB T3 Gb
-35°C ≤ Ta ≤ +65°C

Certificate issue date

28th April 2021

Mark Newman

Certification Officer
Intertek Italia S.p.A. (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy



SCHEDULE

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13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

The L6-Ex and L6A-Ex are illuminating lifejacket safety devices designed for use when the wearer enters the water, the difference between the two models is the method in which the unit is activated, the L6-Ex utilises a pull ring whilst the L6A-Ex has a water activated switch.

The equipment comprises of a printed circuit board, lithium battery, light emitting diode and in the case of the L6-Ex a reed switch, the enclosure for the device is comprised of two plastic parts.

The electronics within the housing are encapsulated in epoxy resin, battery used in the device is not replaceable and non-rechargeable.

Intrinsic safety is maintained by the limitation of current, power, inductance and capacitance and the use of specified batteries.

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

14. DRAWINGS AND DOCUMENTS

| TITLE | DOCUMENT Nr | LEVEL | DATE |
|--------------------------------|-------------|-------|------------|
| L6A-Ex LIFEJACKET LIGHT | 79-350A | 02 | 02/03/2011 |
| L6-Ex PCB ASSEMBLY | 79-311B | 02 | 13/09/2011 |
| L6-Ex & L6A-Ex CIRCUIT DIAGRAM | 79-311C | 03 | 06/05/2011 |
| L6-Ex PCB ITEMS LIST | 79-311L | 06 | 24/08/2011 |
| L6-Ex PCB | 79-312D | 01 | 11/11/2010 |
| L6A-Ex FAMILY TREE | 79-350F | 02 | 03/03/2011 |
| L6A-Ex PCB ASSEMBLY | 79-351B | 02 | 13/09/2011 |
| L6-Ex LIFEJACKET LIGHT | 79-310A | 03 | 24/08/2011 |
| L6A-Ex PCB ITEMS LIST | 79-351L | 06 | 28/08/2011 |
| L6-Ex FAMILY TREE | 79-310F | 02 | 02/03/2011 |
| L6-Ex PCB Gerber Files | 79-312N | 06 | 13/09/2011 |
| *L6-Ex and L6A-Ex LABEL BOTTOM | 79-354D | 7 | 08/04/2021 |
| EPOXY RESIN PX439XS | 99-151-XXXD | 01 | 02/03/2011 |

Note: An * is included before the title of documents that are new or revised.

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.



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15. SPECIAL CONDITIONS FOR SAFE USE

None.

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant essential Health and Safety Requirements have been identified and assessed in Intertek Testing and Certification Report Nr. 104622298LHD-001, dated 23rd April 2021.

17. ROUTINE (FACTORY) TESTS

None

18. DETAIL OF CERTIFICATE CHANGES

21st May 2019 (R.0)

Initial release by Intertek Italia S.p.A. (NB 2575) on transfer from Intertek Testing and Certification Ltd. (NB0359)

28th April 2021 (R.1)

Update to certification standard EN IEC 60079-0:2018 and consolidation of previous test reports into report Nr. 104622298LHD-001. Addition of UKCA marking and UKEX certificate number to the marking.