UK-TYPE EXAMINATION
CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

1. **UK-Type Examination Certificate Number:** **ITS21UKEX0129** **Issue 0**

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

3. **Manufacturer:** Daniamant Ltd.

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

5. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

6. Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

   The examination and test results are recorded in the confidential report 104622298LHD-001, dated 23rd April 2021.

7. 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 within item 14 of the Schedule.

8. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.

9. This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

10. The marking of the product shall include the following:

    II 2 G Ex ia IIB T3 Gb

    -35°C ≤ Ta ≤ +65°C

Certification Officer: M Newman **Date:** 28th April 2021

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. This Certificate is accredited under UKAS schedule 0010
Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA
Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

SCHEDULE:

UK-Type Examination Certificate Number: ITS21UKEX0129 Issue 0

11. Description of Product 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.

12. Report Number

Intertek Report: 104622298LHD-001, dated 23rd April 2021.

13. Special Conditions of Certification

(a). Special Conditions of Use

- None

(b). Conditions of Manufacture

- None

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104622298LHD-001, dated 23rd April 2021.

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15. Drawings and Documents

Title:	Drawing No.:	Rev. 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

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