



1. **EC-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. **EC-Type Examination Certificate Number:** ITS11ATEX27239 Issue 1

4. **Equipment or Protective System:** Lifejacket Lights L6-Ex & L6A-Ex

5. **Manufacturer:** DANIAMANT LTD.

6. **Address:** Unit 3, The Admiral Park, Airport Service Road, Portsmouth, UK. PO3 5RQ

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this 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 systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report Ref 10047343 dated May 2011 and Intertek Ref G102157916 dated March 2016.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2012 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 equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:-



II 2 G Ex ia IIB T3 Gb

-35°C ≤ Ta ≤ +65°C



A T Austin  
Certification Officer  
17 March 2016

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## SCHEDULE

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### 13. Description of 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.

### 14. Report Number

Intertek Report Ref 10047343 dated May 2011  
Intertek Ref G102157916 dated March 2016.

### 15. Conditions of Certification

#### (a). Special Conditions for safe use

- None

#### (b). Conditions of Manufacture

None

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**16. Essential Health and Safety Requirements (EHSR's)**

The relevant EHSR's have been identified and assessed in Intertek Report Ref 10047343 dated May 2011

**17. 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	01	11/11/2010
L6-Ex & L6A-Ex CIRCUIT DIAGRAM	79-311C	03	06/05/2011
L6-Ex PCB ITEMS LIST	79-311L	05	03/05/2011
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	01	11/11/2010
L6-Ex LIFEJACKET LIGHT	79-310A	02	02/03/2011
L6A-Ex PCB ITEMS LIST	79-351L	05	03/05/2011
L6-Ex FAMILY TREE	79-310F	02	02/03/2011
L6-Ex PCB ARTWORK DETAILS, 8 SHEETS	79-312N	04	23/02/2011
L6-Ex and L6A-Ex LABEL BOTTOM	79-354D	03	04/04/2011
EPOXY RESIN PX439XS	99-151-XXXD	01	02/03/2011

**18. Revisions**

To permit the following changes:( ITS11ATEX27239X Issue 1, Intertek Ref G102157916 dated March 2016. )

Re-assessments of the Life Buoy Light to the requirements of the latest standards IEC 60079-0: 2011 and IEC 60079-11:2011.

Equipment level protection "Ga" changed to "Gb" and Group IIC changed to Group IIB

Changes to appropriate documents to reflect the above change.

**Drawings**

Title:	Drawing No.:	Rev. Level:	Date:
L6-Ex and L6A-Ex LABEL BOTTOM	79-354D	04	08/03/2016

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