

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** **ITS09ATEX26366X R.1**

4. **Product:** L161 & L163 Lifebuoy Lights

5. **Manufacturer:** Daniamant Ltd

Applicant: Daniamant Ltd

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

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

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. G102157894 dated November 2015; Nr. G103001678 dated December 2017; Nr. G103493255LHD-001 issue 1 Dated April 2018, Nr. 104386278LHD-001 Issue 1 Dated 2nd December 2020.
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 1 G Ex ia IIC T3/T4 Ga
T3 = -35°C ≤ Ta ≤ +85°C
T4 = -35°C ≤ Ta ≤ +60°C

Certificate issue date

11 December 2020



Fabrizio Massei
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

EU TYPE EXAMINATION CERTIFICATE NUMBER: ITS09ATEX26366X R.1

13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

The DANIAMANT LTD L161 and L163 Lifebuoy Lights are high intensity flashing LED light sources designed to float on water.

The units comprise a buoyancy chamber (either yellow or orange according to model number), printed circuit board with batteries and a LED fitted behind a sealed transparent dome shaped lens.

The enclosure houses two series connected lithium cells as power source. The unit is operated by a magnetic tag which is moved to the operating position when the life buoy light is detached from its retaining bracket.

The electronics within the housing is encapsulated in polyurethane resin.

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 |
|----------------------------------|-------------|-------|------------|
| L161 LIFE BUOY LIGHT (ATEX) | 62-002A | 4 | 10/12/2009 |
| L163 LIFE BUOY LIGHT USCG + ATEX | 62-004A | 5 | 10/12/2009 |
| L161-L163 MAIN PCB | 62-117D | 1 | 13/05/2009 |
| L161-L163 PCB ARTWORK | 62-117N | 1 | 18/06/2009 |
| L161 PCB PARTS LIST | 62-118L | 4 | 30/04/2018 |
| L161 SCHEMATIC | 62-118C | 2 | 15/12/2009 |
| L161 PCB ASSEMBLY | 62-118D | 2 | 15/12/2009 |
| L163 SCHEMATIC | 62-120C | 3 | 15/12/2009 |
| L163 PCB ASSEMBLY | 62-120D | 3 | 15/12/2009 |
| L163 PCB PARTS LIST | 62-120L | 4 | 30/04/2018 |
| *L161 LABEL | 62-124D | 13 | 12/10/2020 |
| *L163 LABEL | 62-126D | 13 | 12/10/2020 |

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.



SCHEDULE

EU TYPE EXAMINATION CERTIFICATE NUMBER: ITS09ATEX26366X R.1

15. SPECIAL CONDITIONS FOR SAFE USE

The enclosure may present an electrostatic hazard. When positioned in a Zone 0 hazardous area, the user must take precautions to ensure electrostatic charging cannot occur.

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 104386278LHD-001 Issue 1 Dated 2nd December 2020.

17. ROUTINE (FACTORY) TESTS

None.

18. DETAIL OF CERTIFICATE CHANGES

11 December 2020 (R.1):

To permit the following changes under Intertek Project No. G104386278:

- Update to latest version of standards.
- Revision to allow Temperature Class T4 for the maximum ambient temperature range of $-35^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$ in addition to the existing Temperature Class, T3 and ambient temperature range.
- Minor correction to the permitted cell types.

The following drawings were updated as part of this variation:

| TITLE | DOCUMENT Nr | LEVEL | DATE |
|------------|-------------|-------|------------|
| L161 LABEL | 62-124D | 13 | 12/10/2020 |
| L163 LABEL | 62-126D | 13 | 12/10/2020 |