

# 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**

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 Testing and Certification Report Nr. G102157894 dated November 2015; Nr. G103001678 dated December 2017; Nr. G103493255LHD-001 issue 1 Dated April 2018.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11:2013 and EN 60079-11:2012 except in respect of those requirements referred to at item 18 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 Ga  
-35°C ≤ Ta ≤ +85°C

**Certificate issue date**

21 May 2019



**Gian Paolo Tondetta**

Certification Manager ATEX  
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 the transfer of the certificate issued by Intertek Testing & Certification Ltd. (NB 0359) having the same number.



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



### 13. SCHEDULE

14. EU TYPE EXAMINATION CERTIFICATE NUMBER: **ITS09ATEX26366X**

### 15. 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.

### 16. 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	8	26/01/2018
L163 LABEL	62-126D	8	26/01/2018

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



13. SCHEDULE

14. EU TYPE EXAMINATION CERTIFICATE NUMBER: **ITS09ATEX26366X**

17. **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.

18. **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS**

The relevant essential Health and Safety Requirements have been identified and assessed in Intertek Testing and Certification Report Nr. 09040249 issue 1, dated September 2009; Nr. 10045712, dated June 2010; Nr. G102157894, dated November 2015; Nr. G103001678, dated December 2017; Nr. G103493255LHD-001 issue 1, dated April 2018.

19. **ROUTINE (FACTORY) TESTS**

None.

20. **DETAIL OF CERTIFICATE CHANGES**

None.