

EU-Type Examination Certificate



- 1. EU-TYPE EXAMINATION CERTIFICATE**
- 2. Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**
- 3. EU-Type Examination Certificate Number: ITS09ATEX26366X Issue 4**
- 4. Product:** L161 & L163 Lifebuoy Lights
- 5. Manufacturer:** Daniamant Ltd
- 6. Address:** Unit 3, The Admiral Park,
Portsmouth,
Hampshire,
PO3 5RQ
7. This product 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 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 Annex II to the Directive.

In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificate referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

The examination and test results are recorded in confidential Intertek Reports Ref G102157894 dated November 2015, G103001678 dated December 2017 and 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 16 of the Schedule.
10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of 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

$-35^{\circ}\text{C} \leq \text{Ta} \leq +85^{\circ}\text{C}$

Intertek Testing & Certification Limited
Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: +44 (0)1372 370900 Fax: +44 (0)1372 370977
www.intertek.com

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

A M Smart
Certification Officer
8 May 2018



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS09ATEX26366X Issue 4

13. Description of 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.

14. Report Number

Intertek Report Ref 09040249 Issue 1 dated September 2009

Intertek Ref 10045712 dated June 2010

Intertek Ref G102157894 dated November 2015

Intertek Ref G103001678 dated December 2017

Intertek Report Ref G103493255LHD-001 Issue 1 Dated April 2018

15. Special Conditions of Certification

(a). Specific Conditions of 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.

(b). Conditions of Manufacture -

- None



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS09ATEX26366X Issue 4

16. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report Ref: G103001678LHD-001 dated December 2017

17. Drawings and Documents

Title:	Drawing No.:	Rev. 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

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

18. Details of Certificate changes Issue 1

To permit the following changes:(Intertek Ref 10045712 dated June 2010)

- Typographic changes to the drawings without change to the content of the drawings.

Title:	Drawing No.:	Rev. 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 PCB PARTS LIST	62-118L	3	15/12/2009
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	3	05/01/2010
L161 LABEL	62-124D	4	24/11/2009
L163 LABEL	62-126D	4	24/11/2009

EU-Type Examination Certificate



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS09ATEX26366X Issue 4

19. Details of Certificate changes Issue 2

To permit the following changes:(Intertek Ref G102157894 dated November 2015)

- Re-assessments of the Life Buoy Light to the requirements of the latest standards EN 60079-0:2012 and EN 60079-11:2012.
- Changes to appropriate documents to reflect the above change

Title:	Drawing No.:	Rev. 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	4	18/06/2009
L161 PCB PARTS LIST	62-118L	3	15/12/2009
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	3	05/01/2010
L161 LABEL	62-124D	4	24/11/2009
L163 LABEL	62-126D	4	24/11/2009

20. Details of Certificate changes Issue 3

To permit the following changes:(Intertek Ref G103001678 dated December 2017)

- Re-assessments of CR17505 batteries following a design change by battery manufacturer.

21. Details of Certificate changes Issue 4

To permit the following changes:(Intertek Ref G103493269LHD-001 dated April 2018)

- Update to certified drawings to correct label drawing revision and date error introduced under Intertek Report Ref G102157894 dated November 2015.
- Inclusion of additional options for R2.

Title:	Drawing No.:	Rev. Level:	Date:
*L161-L163 PCB ARTWORK	62-117N	1	18/06/2009
*L161 PCB PARTS LIST	62-118L	4	30/04/2018
*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

This Certificate is the property of Intertek Testing and Certification Ltd and is subject to Intertek Testing and Certification's Conditions for Granting Certification

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.