



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:** ITS09ATEX26366X Issue 2

4. **Equipment or Protective System:** LIFE BUOY LIGHT L161 & L163

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 09040249 Issue 1 dated September 2009, Intertek Ref 10045712 dated June 2010 and Intertek Ref G102157894 dated November 2015.

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.

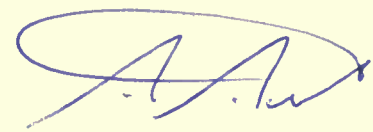
11. This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system.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

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



II 1 G Ex ia IIC T3 Ga

-35°C ≤ Ta ≤ +85°C



**A T Austin**  
Certification Officer  
10 December 2015

**Intertek Testing & Certification Limited**  
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## SCHEDULE

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### 13. Description of Equipment or Protective System

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

The units comprise a Noryl 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

### 15. Conditions of Certification

#### (a). 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.

#### (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 09040249 Issue 1 dated September 2009.

#### 17. Drawings and Documents

Title	Drawing No.:	Rev. Level:	Date:
L161 LIFE BUOY LIGHT (ATEX)	62-002A	3	04/09/2009
L163 LIFE BUOY LIGHT USCG + ATEX	62-004A	3	04/09/2009
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	2	04/09/2009
L161 SCHEMATIC	62-118C	1	12/05/2009
L161 PCB ASSEMBLY	62-118D	1	13/05/2009
L163 SCHEMATIC	62-120C	2	04/09/2009
L163 PCB ASSEMBLY	62-120D	1	13/05/2009
L163 PCB PARTS LIST	62-120L	2	04/09/2009
L161 LABEL	62-124D	2	04/09/2009
L163 LABEL	62-126D	2	04/09/2009

#### 18. Revisions

Revision 1: Supplementary Cert No. ITS09ATEX26366X/1, Intertek Ref 10045712 dated June 2010

##### To permit the following changes:

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

##### 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

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## SCHEDULE

### EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS09ATEX26366X Issue 2

Title:	Drawing No.:	Rev. Level:	Date:
L163 LABEL	62-126D	4	24/11/2009

Revision 1: ITS09ATEX26366X Issue 2, Intertek Ref G102157894 dated November 2015

#### To permit the following changes:

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.

#### 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-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
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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

*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.*

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