



**Intertek**



## 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**
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.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2006, EN 60079-11:2007 and EN 60079-26:2007 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 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° < Ta < +85°C



**A T Austin**  
**Certification Officer**  
9 September 2009

**Intertek Testing & Certification Limited**  
**Intertek House, Cleeve Road, Leatherhead, Surrey, KT22 7SB**  
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<http://www.uk.intertek-ettsemko.com>  
**Registered No 3272281 Registered Office: 25 Savile Row London W1X 1AA**

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification Conditions for Granting Certification.



**13. SCHEDULE**

**14. EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS09ATEX26366X**

**15. 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 as it is submerged in water.

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.

**16. REPORT NUMBER**

Intertek Report Ref 09040249 Issue 1 dated September 2009.

**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 (EHSR'S)**

The relevant EHSR's have been identified and assessed in Intertek Report Ref 09040249 Issue 1 dated September 2009.

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13. SCHEDULE

14. EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS09ATEX26366X

19. DRAWINGS

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

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1. **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in  
Potentially Explosive Atmospheres Directive 94/9/EC**
3. Supplementary EC-Type Examination Certificate Number: **ITS09ATEX26366X/1**
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 supplementary certificate extends EC-Type Examination Certificate Number ITS05ATEX23994 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having variations specified in the Schedule attached to this certificate and the documents therein referred to.

Intertek Ref 10045712 dated June 2010

This Supplementary Certificate shall be held with the original Certificate



**A T Austin**  
**Certification Officer**  
**10 June 2010**

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## Schedule

SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE NUMBER  
ITS09ATEX26366X/1

### 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

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## **Schedule**

**SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE NUMBER  
ITS09ATEX26366X/1**

### **VARIATION ONE**

#### **Description of the Variation to the Equipment or Protective System.**

To permit the following changes:

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

The above changes do not affect Intrinsic Safety.

#### **SPECIAL CONDITIONS FOR SAFE USE**

See original certificate.

#### **Essential Health and Safety Requirements**

See original certificate

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