



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx ITS 07.0001X** Issue No.: 0

Status: **Current**

Date of Issue: **2007-01-24** Page 1 of 3

Applicant: **Daniamant Limited**
Admiral Park
Airport Service Road
Portsmouth
Hampshire
PO3 5RQ
United Kingdom

Electrical Apparatus: **Type L40 Water Activated Lifebuoy Light**
Optional accessory:

Type of Protection: **Increased Safety, Intrinsic Safety**

Marking: **IECEx ITS 07.0001X**
Ex e ia IIC T3

*Approved for issue on behalf of the IECEx
Certification Body:*

A T Austin

Position:

Deputy Certification Manager

Signature:
(for printed version)

Date:

8TH February 2007

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

**Intertek Testing &
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Page 2 of 3

Manufacturer: **Daniamant Limited**
Admiral Park
Airport Service Road
Portsmouth
Hampshire
PO3 5RQ
United Kingdom

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacture's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2000 Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 1999 Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/ITS/ExTR07.0002/00

Quality Assessment Report:

GB/ITS/QAR07.0001/00



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Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

A Type L40 Water Activated Lifebuoy Light is designed to operate a lamp when it is immersed in water.

The type L40 rated at 3 W comprises an integral polythene yellow buoyancy chamber, battery container and a lamp holder assembly fitted with a sealed transparent dome shaped lamp enclosure of clear polycarbonate MP345/072.

The lamp holder assembly provides a Degree of Protection IP54

The Type L40 contains a 3 V, 3 W lamp, which is permanently connected to a silver chloride-magnesium sea-water cell by insulated leads.

Two ports are provided in the base of the battery container for the ingress of water and one port in the base of the buoyancy chamber for the egress of air. These parts are fitted with plugs which are removed automatically by rip cord when the unit is used.

The battery cell becomes operative when submerged in water. The lamp will operate within 10 seconds on immersion in salt water and within 60 seconds on immersion in fresh water.

The complete unit is housed within a specially designed red polythene container with a hinged lid and provision for quick release by a lanyard.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The apparatus shall be stored within its specially designed container and be mounted and maintained according to the manufacturers instructions.
2. For lamp replacement, the light dome must only be removed and replaced using the special tool, and on replacement a torque of 3.0/3.5 lbf/ft must be applied.