



EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

EC-Type Examination Certificate Number : **BAS00ATEX2191**

Equipment or Protective System: **TYPE VL24E EMERGENCY LUMINAIRE**

Manufacturer: **VICTOR PRODUCTS LIMITED**

Address: **New York Industrial Park, Newcastle-upon-Tyne, NE27 0QF**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

The Electrical Equipment Certification Service, notified body number 600 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 Report N°

00(C)0759 dated 4 December 2000

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + Amds 1 & 2 EN 50018: 1994 EN 50019: 2000
EN 50028: 1987 + Amd 1 EN 50281-1-1: 1998

except in respect of those requirements listed at item 18 of the Schedule.

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.

This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

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

 **II 2 GD EEx emd IIC T4 (T_{amb} = -10°C to +55°C), T 100°C**

This certificate may only be reproduced in its entirety and without any change, schedule included.

File No: **EECS 1186/03/048**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom
Tel: 01298 28000 Fax: 01298 28244

I M CLEARE
DIRECTOR
4 December 2000



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Schedule

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Description of Equipment or Protective System

A Type VL24E Emergency Luminaire is designed for use with two 36/40W or 18/20W fluorescent lamps at supply voltages of 100V to 130V a.c. or 220V to 277V a.c. and 47Hz to 63Hz a.c. The lamps may be T12 or T8 TLX or T8 bi-pin.

The luminaire comprises a stainless steel or painted steel reflector spine to which are secured a Type LEXAN 3021A polycarbonate clear lamp housing, a control gear enclosure of grey polycarbonate Type LEXAN 500R and stainless steel battery enclosure.

The polycarbonate lamp housing assembly comprises two polycarbonate end plates, one open, one closed, welded to an oval section polycarbonate over tube. This assembly contains a tube carrier with lamp holders and a plastic conduit tube carrying the conductor for connection to the lamp holders. The tube carrier allows for the tubes to be fitted from one end only. A retainer prevents the accidental removal of the tubes. The closed polycarbonate end plate is designed to locate in the reflector spine and the open end plate fixes to the wall of the control gear enclosure by means of two screws. Sealing between the lamp housing assembly and control gear is effected by a silicone rubber gasket.

The polycarbonate control gear enclosure is of rectangular shape, with removable cover, fixed using four 20mm M6 cheese head captive stainless steel screws. A silicone rubber recessed seal ensures an ingress protection of IP66 & IP67 between the cover and body. Metal inserts, which may be sealed, pass through the base of the body forming, on the outside, a tapped insert and on the inside a threaded stud which serves to mount the steel internal control gear tray. A TRANSTAR Type VL99 encapsulated electronic ballast, as certified under EC-Type Examination Certificate BAS00ATEX2194U coded EEx me II, is mounted to the tray and is used to control the lamps, incorporating battery management circuitry and optional indicating Light Emitting Diodes (LEDs), which show battery condition. The LEDs are a Type 11 MB Encapsulated LED as certified under EC-Type Examination Certificate BAS00ATEX2182U coded EEx m II.

The luminaire is also fitted with an externally mounted battery pack, rated at up to 12V, 4 Ah, comprising a stainless steel overtube assembly, with Type LEXAN 500R polycarbonate end cap assemblies. These incorporate a 2 core, sheathed, metal braided and over-sheathed flying lead connected directly to the luminaire through an encapsulated terminal compartment. Up to 10 sealed nickel cadmium cells may be fitted, with potted 5A fuse in the overtube, the terminations of which are encapsulated using an epoxy resin material.

A component certified microswitch, Bar-Tec Type 07-1521 as certified under EC-Type Examination Certificate PTB98ATEX1032U coded EEx d IIC T5, is mounted in the control gear enclosure. Electrical connection to the microswitch is made using a Type BK6 terminal strip as certified under EC-Type Examination Certificate BAS00ATEX3084U coded EEx e II. This is operated when the control gear enclosure cover or lamp housing assembly are removed, isolating the battery from the inverter/charger circuit.

Two cable entry ports are provided in the control gear enclosure. An internal metal gland plate is provided which is drilled and tapped for the fitting of suitably approved cable entry devices. Earthing facilities are included on the glanding plate for the purposes of bonding. Additionally a through wiring facility may be provided.



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Schedule Conditions for Safe Use

None

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Essential Health and Safety Requirements

None

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DRAWINGS

Number	Sheet	Issue	Date	Description
LA328	1	1	18.10.00	VL24E General Arrangement
LA328	2	1	18.10.00	VL24E Battery Detail
LA328	3	1	18.10.00	VL24E Parts List & Notes
LA328	4	1	18.10.00	VL24E Through Wire Arrangement
LA328	5	1	18.10.00	VL24E Lampholder Arrangement
LA328	6	1	18.10.00	VL24E Quick Release Arrangement

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BASEEFA List Keywords

2EMERLUM



1 **SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE**

2 **Equipment Intended for use in Potentially Explosive Atmospheres**
3 **Directive 94/9/EC**

3 Supplementary Type Examination Certificate Number: **BAS00ATEX2191/1**

4 Equipment: **THE VL24E EMERGENCY LUMINAIRE**

5 Manufacturer: **VICTOR PRODUCTS LIMITED**

6 Address: **Newcastle-upon-Tyne, NE27 0QF**

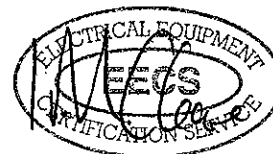
7 This supplementary certificate extends Type Examination Certificate No. BAS00ATEX2191 to apply to equipment designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This Supplementary Certificate shall be held with the original Certificate.

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File No: EECS 1186/03/048

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22 May 2002



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Schedule

14 SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2191/1

Description of the Variation to the Equipment

VARIATION 1.1

Allows for the use of an alternative bi-pin lampholder Type VL82B covered by certificate number SIRA02ATEX3004U coded EEx e II.

Report No.

None.

Special Conditions For Safe Use

None.

Essential Health and Safety Requirements

See original certificate.

DRAWING

Number	Sheet	Issue	Date	Description
LA328	5	2	2/4/02	VL24E Lampholder Arrangement

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EC TYPE-EXAMINATION CERTIFICATE VARIATION

CERTIFICATE NUMBER BAS 00ATEX2191 **Dated** 4 December 2000

SIRA VARIATION NUMBER 1 (ONE) **Dated** 8 September 2006

VARIATION TO EQUIPMENT

To permit:

- 1 The option to remove the springs that are part of the mounting arrangement of the bi-pin lamp holder.
- 2 A nylon moulded retainer to be optionally fitted within the lamp in place of the current metal retainer.
- 3 The addition of the two new mounting bosses to the plastic housing box, this allows a ballast to be mounted directly onto the gear housing mounting bosses without the need of the gear tray.

DESCRIPTIVE DOCUMENTS

Number	Sheet	Rev.	Date	Description
LA 328	1 of 6	2	(Sira stamp) 08 Aug 06	VL24E General Arrangement
LA 328	3 of 6	2	08 Aug 06	VL24E Parts List Notes
LA 328	5 of 6	3	08 Aug 06	VL24E BI-PIN Lampholder

ADDITIONAL CONDITIONS OF CERTIFICATION

None

File No. 51A15074

Report No. R51A15074A

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