



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 SIR 03.0004** Issue No.: **2**

Status: **Current**

Date of Issue: **2006-01-23** Page 1 of 5

Applicant: **Victor Lighting**
388 Hillington Road
Glasgow
G52 4BL
United Kingdom

Electrical Apparatus: **VL125 and VL126 Trident Fluorescent Luminaires**
Optional accessory:

Type of Protection: **Increased safety, encapsulation**

Marking: **Ex em II T4**
Ta = -45°C to +50 (VL125, 2 x 58 W) or
Ta = -45°C to +55°C (VL125, 2 x 18 W or 2 x 36
W)
Ta = -15°C to +50°C (VL126, 2 x 58 W) or
Ta = -15°C to +55°C (VL126, 2 x 18 W or 2 x 36
W)

Approved for issue on behalf of the IECEx
Certification Body:

D R Stubbings BA MIET

Position:

Certification Manager

Signature:
(for printed version)

Date:

2006-01-23

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](http://www.iecex.com).

Certificate issued by:

SIRA Certification Service

South Hill
Chislehurst
Kent BR7 5EH
United Kingdom

sira
CERTIFICATION



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Manufacturer: **Victor Lighting**
388 Hillington Road
Glasgow
G52 4BL
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 60079-18 : 1992 Edition: 1	Electrical apparatus for explosive gas atmospheres - Part 18: Encapsulation 'm'
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

IECEX ATR:
UK/SIR/04/R53L10780A

File Reference:
R53L10780A
ITS 04012519



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The VL125 Trident Luminaires utilise twin fluorescent lamps with rated outputs of 2 x 18 W, 2 x 36 W or 2 x 58 W. The electrical supply may be 220 to 277 V, 50 or 60 Hz a.c. or 220 to 277 V d.c. The fluorescent lamps may have Fa6 (single pin) caps or G5 or G13 (bi-pin) caps. The luminaires comprise an oval lamp enclosure manufactured from clear polycarbonate that is fixed at one end to a control gear enclosure, the other end has an integral bracket that secures it to a reflector. The reflector is designed to be fixed to the mounting surface. The control gear enclosure is manufactured from polycarbonate and is fixed to the reflector by screws. The standard luminaire has 2 cable entry positions situated within the control gear enclosure, these are suitable for looping supply cables through cable glands up to size M25. A through wired luminaire variant may be supplied, which incorporates an additional through wired box and lid that is secured to the reflector at the opposite end to the control gear enclosure. A plastic extrusion, which carries the through wired cables, runs between the control gear housing and the through wired housing. The plastic extrusion is sealed into both boxes and is secured to the underside of the reflector. The through wired variant allows up to 4 off M25 entries per luminaire. A pole mounted version may also be supplied and this utilises a control gear enclosure that incorporates additional features to secure the luminaire.

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

Inside the control gear enclosure, the control gear is connected to the lamps via three Fa6 lampholders that are fitted through a side wall in the enclosure. The lamp enclosure houses two tubular fluorescent lamps that are supported on a lamp carrier assembly. The lamp carrier assembly comprises a central rod that is fitted at each end with mouldings supporting either bi-pin or Fa6 lampholders as required. At the connection end, the lampholders and central rod are connected to Fa6 lamp pins that pass through the mouldings. The Fa6 pins are inserted into the Fa6 lampholders on the control gear enclosure when the lamp envelope and carrier assembly is fixed in place. An isolating switch for the luminaire control gear is not required because replacement of the lamps may be carried out by removing the lamp enclosure, which withdraws Fa6 connection pins from the lampholders fitted to the control gear enclosure, thus disconnecting the electrical supply to the lamps. Luminaires may be looped together subject to the maximum current permitted by the terminals. The luminaires have an ingress protection rating of IP67 and IP68. The VL126 Trident Luminaire is an emergency version of the VL125 luminaire with an electrical supply of 220 to 254V 50 or 60Hz only. The emergency versions are fitted with a clear control gear enclosure lid that is fitted with an inverter, a battery pack, an encapsulated fuse and an 11 W compact fluorescent lamp. The emergency lid assembly has an IP20 rating when removed from the luminaire. For operational reasons relating to the battery, the VL126 is marked with a minimum ambient temperature of -15°C .



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

1. Change of manufacturer name and address 2. Change of manufacturer name