



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: Sira 03ATEX3206

4 Equipment: VL125 and VL126 Trident Luminaires

5 Applicant: Victor Lighting

6 Address: 388 Hillington Road
Glasgow
G52 4BL
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number R53A9596A.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 50014:1997 (A1 and A2)
EN 50019:2000
EN 50028:1987
EN 50281-1-1:1999

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment 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 and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2GD

EEx em II T4

Ta = -45°C to +50°C (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)

Project Number 53A9596
Date 24 June 2003
Re-issued 9 February 2007
C. Index 03

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Certification Manager

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 03ATEX3206

Re-issued 18 March 2005 to correct voltage range in description (include 110-130 V).

Re-issued 09 February 2007 to further correct the description

13 DESCRIPTION OF EQUIPMENT

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 or 110 to 130 V, 50 or 60 Hz and/or 110 to 130 V dc.

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.

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. The Fa6 lampholder design has been tested for non-transmission of an internal ignition in accordance with EN 50018:2000.

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 or 110V to 130V 50 or 60 Hz and/or 110 to 130 V DC. 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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14 DESCRIPTIVE DOCUMENTS

14.1	Drawing No.	Sheet	Rev.	Date	Description
	LA359	1 to 3	1	(Sira stamp) 1 Apr 03	VL125 and VL126 luminaire

14.2 Report number R53A9596A.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in report number R53A9596A.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 The manufacturer shall carry out an electric strength test, on all units manufactured, in accordance with EN 50019:2000 clause 7.1.

17.4 This certificate relies on the following previously certified products. When used as part of the Auxiliary Terminal Boxes, the key attributes listed in the table below shall still be maintained by their original certificates.

Product	Certificate number	Key attributes
VL138 ballast	Sira 03ATEX7207U	EEx m II
VL109 inverter	Sira 00ATEX5214U	EEx m II
VL140 fuse assembly	Sira 03ATEX5210U	EEx m II
VL137 insulated lamp (emergency versions)	Sira 03ATEX3208U	EEx e II
VL139 battery assembly	Sira 03ATEX3209U	EEx e II
Wago 262 terminals	PTB98ATEX3125U	EEx e II
Wago 264 terminals	PTB98ATEX3129U	EEx e II
Weidmuller MK6/6 terminals	BAS99ATEX2123U	EEx e II
Weidmuller MK6/6 terminals	Sira 01ATEX3249U	EEx e II
Weidmuller MK3/6 terminals	BAS99ATEX2124U	EEx e II

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