



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

Certificate No.: **IECEX SIR 05.0004** 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: **VL114S and VL114E Bulkhead Luminaires**  
*Optional accessory:*

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

Marking: **Ex em II T\***

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

D R Stubbings BA MIEE

*Position:*

Certification Manager

*Signature:  
(for printed version)*

*Date:*

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**  
New York Way  
New York Industrial Park  
Newcastle Upon Tyne  
NE27 0QF  
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:

<b>IEC 60079-0 : 2000</b> Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-18 : 1992</b> Edition: 1	Electrical apparatus for explosive gas atmospheres - Part 18: Encapsulation 'm'
<b>IEC 60079-7 : 2001</b> 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/05/R51L12908A

File Reference:

R51L12908A

ITS 04012915



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The VL114 Bulkhead Luminaire consists of two versions: the VL114S Standard bulkhead luminaire and the VL114E emergency bulkhead luminaire. The luminaires utilise single or twin VL137 insulated fluorescent lamps with rated outputs of 2 x 18 W or 1 x 18 W for the VL114S version and 1 x 11 W for the VL114E version. The electrical supply for the VL114S luminaire may be 110 V to 130 V 50/60 Hz, ac/dc, 220 to 277 V, 50 or 60 Hz ac and 220 to 254V, 50 or 60 Hz ac for the VL114E luminaire. Luminaires may be looped together subject to the maximum current permitted by the terminals.

The VL114E luminaire only operates the lamp for a limited period when the mains power to the luminaire fails. The lamp does not illuminate when mains powered.

The luminaires comprise a rectangular enclosure with two parts, a main body and a clear diffuser, both manufactured from polycarbonate. The control gear is located in the bottom of the main enclosure, separated from the lamp(s) by means of the reflector plate. The luminaires have two cable entry positions situated on the main body, which are suitable for looping supply cables through cable glands up to size M25.

The emergency version (VL114E) is fitted with inverter, battery pack, encapsulated fuse and an 11 W compact fluorescent lamp. The emergency lid assembly has an IP20 rating when removed from the luminaire.

**CONDITIONS OF CERTIFICATION: NO**



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### EQUIPMENT(continued):

The luminaires have an ingress protection rating of IP67 and IP68 and the following marking is applicable:

**VL114S (2 x 18 W and 1 x 18 W):**  
Ex em II T4 (Ta = -45°C to +30°C)  
Ex em II T3 (Ta = -45°C to +40°C)

**VL114E (1 x 11 W, Note: the min. ambient is -15°C due to battery operation reasons):**  
Ex em II T4 (Ta = -15°C to +60°C)  
Ex em II T5 (Ta = -15°C to +40°C)  
Ex em II T6 (Ta = -15°C to +25°C)

**Option 1 - An alternative ballast, the VL136; this ballast may be used with a single 11 W lamp on a 220 V to 254 V ac supply. . The following marking is applicable for this option:**

**VL114S (1 x 11 W):**  
Ex em II T3 (Ta = -45°C to +40°C)

The luminaires have an ingress protection rating of IP67 and IP68 and...

**VL114E (1 x 11 W):**  
Ex em II T3 (Ta = -15°C to +40°C)



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

The luminaires have an ingress protection rating of IP67 and IP68 and...

<http://www.schneider-electric.com/webcontent/034777969>

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