



# 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 BAS 08.0038X issue No.:1

Status: **Current**

Certificate history:  
Issue No. 1 (2011-3-4)  
Issue No. 0 (2008-8-29)

Date of Issue: **2011-03-04** Page 1 of 4

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

Electrical Apparatus: **VANGUARD VL34 Helideck & VL35 Non-Emergency and Emergency LED Bulkhead  
Luminaires**

Optional accessory:

Type of Protection: **e, ib, mb, tb**

Marking: **Ex e ib mb IIC T4 Gb  
Ex tb IIIC T100°C Db IP66/67  
Tamb (see schedule)**

Approved for issue on behalf of the IECEx  
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:  
(for printed version)

Date:

4-3-11

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:

**Baseefa**  
**Rockhead Business Park**  
**Staden Lane**  
**Buxton**  
**Derbyshire**  
**SK17 9RZ**  
**United Kingdom**





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Manufacturer: **Victor Lighting**  
388 Hillington Road  
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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 manufacturer'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 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-11 : 2006</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-18 : 2004</b> Edition: 2.0	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/BAS/ExTR08.0080/00  
GB/BAS/ExTR09.0040/00

Quality Assessment Report:

GB/BAS/QAR06.0026/00



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## Schedule

### EQUIPMENT:

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

The VL34 Helideck and VL35 LED Non-Emergency and Emergency Bulkhead luminaire are rated for 110V-254Vac/dc / 50-60Hz / 8W. The bulkhead luminaires comprises of an enclosure made up of a die cast or shell moulded aluminium or gunmetal base and clamp ring with a raised glass diffuser fitted with internal control gear. The diffuser is fixed in place by the clamp ring which is fixed with four screws to the base. Ingress protection is provided by solid silicone or solid EPDM rubber gasket clamped between the base and glass diffuser which achieves IP66/67.

Refer to the Annex to this certificate for the full equipment description.

### CONDITIONS OF CERTIFICATION: YES as shown below:

1. All unused cable entries shall be fitted with a blanking element. The permitted blanking elements for the VL34 and VL35 luminaires are listed in the annex to this certificate.
2. The end user must ensure that a minimum ingress protection of IP66/67 is achieved at each entry to the enclosure by use of a suitable certified blanking element or cable entry device.
3. The ambient temperature range for the luminaires may be limited by the service temperature range of the O-ring material used with the alternative blanking elements introduced at Issue 1 of this certificate. Details of the permitted O-rings for these additional blanking elements are shown at Variation 1.1.



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

### Variation 1.1

To permit the use of the following additional types of blanking element.

The range of PD-E-4 blanking elements is certified for an operating temperature range of -20°C to +40°C or -5°C to +40°C when using the Viton seals.

The PD-U series of blanking elements is certified for use with the following O-ring seals. The information shown below is taken directly from the certificate IECEx SIR 05.0042U Issue4.

O-ring material	Limiting temperature
Nitrile	-20°C to +80°C
EPDM	-30°C to +125°C
Neoprene	-20°C to +100°C
Viton	-5°C to +180°C
Silicone	-30°C to +180°C
Fluorosilicone	-50°C to +150°C

### Variation 1.2

Addition of Special Condition of Safe Use. No. 3.

ExTR: GB/BAS/ExTR09.0040/00

File Reference: 09/0126