



# 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 07.0052 issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2007-10-26** Page 1 of 3

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

Electrical Apparatus: **Type VL64 Equal Plus Luminaire**  
Optional accessory:

Type of Protection: **Ex de, Ex tD**

Marking: **Ex de IIB T\* (-20°C ≤ Tamb ≤ + °C)**  
**Ex tD A21 IP66 T\* (-20°C ≤ Tamb ≤ + °C)**  
\* See apparatus description

Approved for issue on behalf of the IECEx  
Certification Body:

R S Sinclair *PP DBREARLEY*

Position:

Managing Director

Signature:  
(for printed version)

*DBrearley*  
21/10/07

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:

Baseefa (2001) Ltd.  
Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





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Page 2 of 3

Manufacturer: **Victor Lighting**  
388 Hillington Road,  
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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 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<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/ExTR07.0100/00

#### Quality Assessment Report:

GB/BAS/QAR06.0026/00



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Page 3 of 3

## Schedule

### EQUIPMENT:

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

The Type VL64 Equal Plus Luminaire comprises a rectangular lamp and control gear housing with an integral increased safety terminal enclosure at one side, all cast in either aluminium alloy, gunmetal or brass.

The partition wall between the enclosures is fitted with a line bush manufactured by Chalmit Lighting to IECEx BAS 07.0076U coded Ex d IIC.

Cemented into a recess in the lamp housing cover is a glass window which is secured with a plate at each corner, and the cover is secured to the housing with twelve captive stainless steel socket head screws of grade A2-70

The lamp enclosure can be fitted with a ballast, ignitor and capacitor mounted behind a baffle plate which is in turn behind the lamp.

The increased safety enclosure is fitted with either a 6 way or 4 way MK6 terminal strip to IECEx SIR05.0037U, coded Ex e II.

The luminaire is rated up to 260V 500W and can be fitted with tungsten halogen, SON/T or MBI/T lamps.

The lamp type, temperature classification, cable temperature rise and ambient temperature range are indicated below, and the delay before opening time after de-energisation is 10 minutes.

Lamp Type	Wattage	Voltage(V a.c.)	Temperature Classification	Delay before opening (Minutes)	Maximum Temperature for Dust Atmospheres	Ambient Temperature Range
Tungsten Halogen	Up to 500W	100-277	T3	10	175°C	-20°C to +55°C
SON/T	400W	200-27750/60Hz	T3		175°C	-20°C to +55°C
	250W		T4		128°C	-20°C to +55°C
			T3		145°C	-20°C to +70°C
	150W		T4		128°C	-20°C to +70°C
MBI (MBI/T)	400W		T3		160°C	-20°C to +55°C
	250W		T4		128°C	-20°C to +55°C
			T3		145°C	-20°C to +70°C
	150W		T4		128°C	-20°C to +70°C

CONDITIONS OF CERTIFICATION: NO