



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa05ATEX0228**

4 Equipment or Protective System: **VL64 Equal Plus Luminaire**

5 Manufacturer: **Victor Lighting**

6 Address: **Glasgow, G52 4BL**

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

8 Baseefa (2001) Ltd., Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. 04(C)0797

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0: 2004 EN 60079-1: 2004 EN 60079-7: 2003 prEN 61241-0:2004 EN 60241-1:2004

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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 or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

Ex II 2 GD
Ex de IIB T* (-20°C ≤ T_{amb} ≤ + °C)
Ex tD A21 IP67 T* (-20°C ≤ T_{amb} ≤ + °C)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. 5421

Project File No. 05/0713

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa (2001) Ltd
Registered in England No. 4305578 at the above address

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.

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Schedule

14

Certificate Number Baseefa05ATEX0107

15 Description of Equipment or Protective System

The **VL64 Equal Plus Luminaire** comprises a rectangular lamp and control gear housing with an integral increased safety terminal enclosure at one side. The partition wall between the enclosures is fitted with a line bush either manufactured by Bartec to PTB97ATEX1047U coded (Ex) II 2 G EEx d II or by Chalmit Lighting to Baseefa04ATEX0317U coded (Ex) II 2 G EEx 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 captive socket head screws

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 SIRA01ATEX3249U, coded (Ex) II 2GD EEx e II.

The luminaire is rated up to 277V 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.

Lamp Type	Wattage	Voltage (V a.c.)	Temperature Classification	Delay before opening (Minutes)	Maximum Temperature for Dust Atmospheres	Ambient Temperature Range	Cable Temperature Rise (K)
Tungsten Halogen	Up to 500W	100-277	T3	10	175°C	-20°C to +55°C	30
SON/T	400W	200-277 50/60Hz	T3		175°C	-20°C to +55°C	40
	250W		T4		128°C	-20°C to +55°C	20
	150W		T3		145°C	-20°C to +70°C	20
MBI (MBI/T)	400W		T4		128°C	-20°C to +70°C	15
	250W		T3		160°C	-20°C to +55°C	35
			T4		128°C	-20°C to +55°C	20
	150W		T3		145°C	-20°C to +70°C	20
			T4		128°C	-20°C to +70°C	15

16 Report Number

Baseefa Certification Report 04(C)0797, held with Baseefa05ATEX0107.

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
D6040	1	-	10.11.05	General Assembly – Equal Plus Luminaire
D6040	2	-	10.11.05	General Assembly – Equal Plus Luminaire
D6040	3	-	10.11.05	General Assembly – Equal Plus Luminaire
D2062	1	3	14.10.05	Glazing data



1 **SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary Type Examination Certificate Number: **Baseefa05ATEX0228/1**

4 Equipment: **VL64 Equal Plus Luminaire**

5 Manufacturer: **Victor Lighting**

6 Address: **Glasgow, G52 4BL**

7 This supplementary certificate extends Type Examination Certificate No. Baseefa05ATEX0228 to apply to equipment designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

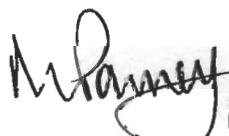
Baseefa Customer Reference No. **5421**

Project File No. **07/0101**

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Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
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R S SINCLAIR
DIRECTOR
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Schedule

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Certificate Number Baseefa05ATEX0228/1

15 **Description of the variation to the Equipment**

Variation 1.1

Redesign of the internal mounting plate with the subsequent reduction in reference pressure and over pressure test figures.

16 **Report Number**

None

17 **Special Conditions for Safe Use**

None

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
D6040	1 to 3	02	30/01/07	VL64 Equal Plus Floodlight Ex de



1 **SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary Type Examination Certificate Number: **Baseefa05ATEX0228/2**

4 Equipment: **VL64 Equal Plus Luminaire**

5 Manufacturer: **Victor Lighting**

6 Address: **Glasgow, G52 4BL**

7 This supplementary certificate extends Type Examination Certificate No. Baseefa05ATEX0228 to apply to equipment designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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Baseefa Customer Reference No. **5421**

Project File No. **07/0401**

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Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
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R S SINCLAIR PP DBREARLEY
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Schedule

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Certificate Number Baseefa05ATEX0228/2

15 Description of the variation to the Equipment

Variation 2.1

Miscellaneous minor changes to align with the latest issues of the standards, together with associated changes to the label details.

To confirm that the luminaire as described in the drawing listed below has been reviewed against the requirements of EN60079-0: 2006, EN 60079-1: 2004, EN 60079-7: 2007, EN61241-0: 2004 and EN61241-1: 2004 and found to be compliant.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR 07.0100/00 held with IECEx BAS 07.0052

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
D6040 Sheets 1 to 3	02	11.05.07	General Assembly - Equal Plus Luminaire

These drawing are common to IECEx BAS 07.0052 and are held with that certificate