



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: **Baseefa05ATEX0236**

4 Equipment or Protective System: **Type VL77C and VL78C Range of Luminaires**

5 This certificate is held by: **Victor Lighting**

6 Address: **388 Hillington Road, 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. **05(C)0690**

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

EN 50014: 1997 + Amendments 1 & 2

EN 50019: 2000

EN 50017: 1998

EN 50028: 1987 + Amendment 1

EN50281-1-1: 1998

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 :

$\text{\textcircled{Ex}}$ II 2G EEx eqm II T4 ($T_{amb} = -40^{\circ}\text{C}$ to $+45^{\circ}\text{C}$) $\text{\textcircled{Ex}}$ II 2D T95 $^{\circ}\text{C}$ or
 $\text{\textcircled{Ex}}$ II 2G EEx eqm II T4 ($T_{amb} = -40^{\circ}\text{C}$ to $+55^{\circ}\text{C}$) $\text{\textcircled{Ex}}$ II 2D T95 $^{\circ}\text{C}$

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

Baseefa Customer Reference No. **5421**

Project File No. **05/0690**

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.

13

Schedule

14

Certificate Number Baseefa05ATEX0236

15 Description of Equipment or Protective System

Type VL77C and VL78C Range of Luminaires comprises single or twin bi-pin fluorescent lamp units up to 20W and 40W in emergency (Type VL77C) and non-emergency (Type VL78C) variants. The luminaire body is fabricated steel with a polycarbonate diffuser. Ingress protection of at least IP65 is maintained by a closed cell silicone sponge gasket between the cover and the body, and a RTV silicone sealant between the diffuser and the cover. The gasket is either self adhesive or adhered to one surface with RTV silicone sealant. The cover is kept closed by means of tool operated screws and is fitted with a de-energising sensor.

Four M8 drop rods or four adjustable arms are provided for ceiling mounting within insulated and non-insulated recesses.

The following models, lamp type etc. are indicated below.

Lamp Type	Model	Lamps	Maximum Voltage	T _{amb} (°C) Insulated	T _{amb} (°C) Non Insulated	T Class	Max Surface temperature
Bi-pin	Non-emergency	2 x 18W	254	-40 to +45	-40 to +55	T4	95°C
		1 x 36W					
		2 x 36W					
		1 x 18W	120				
		1 x 36W					
		2 x 36W					
	Emergency	2 x 18W	254				
		2 x 36W					
		2 x 18W	120				
		2 x 36W					

The electronic control gear is ATEX approved by certificate KEMA00ATEX2121U. It is located above a white painted gear tray within the luminaire body. Component certificate KEMA00ATEX2121U covers the series circuit ballast type LEVA and the parallel circuit ballast type ILB. The same certificate covers CNEVA electronic control gear incorporating an inverter for use on emergency models. Emergency models have a 6 volt battery made up of 5 Nickel-cadmium batteries connected in series rated at either 4 or 7 Ah.

The CNEVA control gear controls the charging and discharging of the battery providing under-voltage and over-voltage protection and preventing reverse polarity charging of the cells.

ATEX EEx e approved terminals covered by certificates BAS99ATEX2123U or PTB98ATEX3125U are provided for the connection of the external supply using cables with up to 6 mm² conductors.

Internal wiring and through-going wiring is by 0.75mm² conductors and 2.5mm² conductors respectively, with PVC or ZYRAD insulation.

The enclosure is provided with cable entry holes which must be fitted with ATEX EEx e approved cable glands which maintain the ingress protection of the enclosure. Unused entries must be fitted with ATEX EEx e approved stopping plugs.



16 Report Number

05(C)0690

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
B1745	-	-	14/10/2005	Label Details
Baseefa04ATEX0286	-	-	25/8/2004	The Acclaim III Range of Luminaires Certificate