



## TYPE EXAMINATION CERTIFICATE

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

Type Examination Certificate Number: **Baseefa06ATEX0039X**

Equipment: **Monarch II Luminaire**

Manufacturer: **Victor Lighting**

Address: **388 Hillington Road, Glasgow, G52 4BL**

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

Baseefa (2001) Ltd. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment of Category 3 intended for use in potentially explosive atmospheres given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential Report No.

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

**EN 60079-15:2003 EN 50281-1-1: 1998 + Amendment 1**

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

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

The marking of the equipment shall include the following :

**⊕ II 3GD EEx nAR T\* (Tamb = -45°C to +\*) \* see schedule**

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

Baseefa Customer Reference No. 5421

Project File No. 05/0697

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.

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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

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### Certificate Number Baseefa06ATEX0039X

#### 15 Description of Equipment

**Monarch II Luminaires** comprises a circular aluminium alloy enclosure with a hinged rear cover and an internal thread to which is attached one of a number of wellglass diffusers.

Silicone rubber gaskets are provided between the enclosure and cover and the enclosure and wellglass. Ignition protection is provided by the lampholder and diffuser forming a restricted breathing enclosure and the control gear enclosure is considered non-sparking.

The luminaires are intended to be vertically mounted at a maximum of 25 degrees from the vertical. Options include wall and stanchion mounting and enclosed, dome and angled reflectors, and a wire guard.

The types of lamp, wattage, temperature classification and ambient temperature range are indicated below.

#### Monarch II Luminaire with Globe Optics

Lamp	Wattage	Max. Ambient (°C)	Temperature Classification	Min. Ambient (°C)	Max. Surface Temperature (°C)
SON	400	45	T3	-45	160
MBI					
SON	250	50	T4		130
MBI					
SON	150	55			110
MBI					
SON	100	55			
MBI					
SON	70	55			
MBI					
SON	50				
MBFU <sup>1</sup>	400	35		T3	180
	250	50	135		
	125	45			
	80	45			

#### Monarch II Luminaire with Enclosed reflector

Lamp	Wattage	Temperature Classification	Max. Ambient (°C)	Min. Ambient (°C)	Max. Surface Temperature(°C)
SON	400	T3	45	-45	160
MBI					
SON	250		50		
MBI					
SON	150		55		
MBI					
SON	100				
MBI					
MBFU <sup>1</sup>	400	T3	40	180	
	250				



Cable entry devices must be able to withstand a 7J impact test and maintain the ingress protection rating of the enclosure.

**16 Report Number**

05(C)0697

**17 Special Conditions for Safe Use**

1. The wellglasses form a restricted breathing enclosure when fitted in accordance with the manufacturer's instructions. Silicone grease shall be applied to the base of the wellglass or the silicone seal and hand tightened, and then tightened a further 10 degrees.
2. The symmetrical refractor is suitable only for areas with a low risk of mechanical impact.

**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
D6045	1	-	19 Oct 2005	Monarch II Label Details
D2665*	1		29 Sept 2004	Notes and Marking Details
D2665*	2		29 Sept 2004	General Assembly
D2665*	3		1 Oct 2004	Alternative Reflectors

\* These drawings are also used on another certificate, and are held in Baseefa technical file Baseefa04ATEX0393X.