



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 09ATEX1328** Issue: **0**

4 Equipment: **Type ML 102 Mining Luminaire**

5 Applicant: **Victor Products Limited**

6 Address: New York Way  
New York Industrial Estate  
Newcastle-upon-Tyne NE27 0QF  
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2006

EN 60079-1:2007

10 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.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



I M2

Ex I Mb IP65 (Ta = -20°C to +45°C)

C Ellaby  
Certification Officer

Project Number 51A20610  
C. Index 05

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## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

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Issue 0

#### 13 DESCRIPTION OF EQUIPMENT

The type ML 102 Mining Luminaire main body is made from gunmetal or bronze with an angled hinged cover which is fitted with a window that is cemented in position and secured by two steel plates. The hinged cover is secured by eight M8 x 25 mm long socket head screws grade 8.8. In the base of the enclosure there are two cable entries which are fitted with suitably certified and dimensioned cable entry devices or blanking plugs when not in use. The luminaire is suitable for operation with the following voltages:

Without transformer driver 12 V variant – 11 V to 18 V DC, 11 V to 14 V AC.

Without transformer driver 24 V variant – 23 V to 32 V DC, 22 V to 28 V AC.

With transformer driver 80 – 240 V AC/DC 50-60 Hz.

Maximum current for all variants is 1 AMP.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	23 December 2009	R51A20610A	The release of the prime certificate.

#### 15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

None

#### 16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

#### 17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

# Certificate Annexe

**Certificate Number:** Sira 09ATEX1328  
**Equipment:** Type ML 102 Mining Luminaire  
**Applicant:** Victor Products Limited



## Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
LA410	1 of 1	0	25 Nov 2009	Type ML 102 LED Luminaire

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