



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

Certificate No.: IECEx SIR 09.0134 issue No.:0 Certificate history:.....

Status: **Current**

Date of Issue: **2009-12-23** Page 1 of 3

Applicant: **Victor Products Limited**
New York Way
New York Industrial Estate
Newcastle-upon-Tyne NE27 0QF
United Kingdom

Electrical Apparatus: **Type ML 102 Mining Luminaire**
Optional accessory:

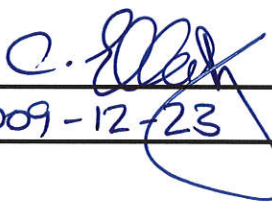
Type of Protection: **Flameproof**

Marking: **Ex I Mb IP65 (Ta = -20°C to +45°C)**

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Certification Officer

Signature:
(for printed version)



2009-12-23

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:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira
CERTIFICATION



IECEX Certificate of Conformity

Certificate No.: IECEX SIR 09.0134

Date of Issue: 2009-12-23

Issue No.: 0

Page 2 of 3

Manufacturer: **Victor Products Limited**
New York Way
New York Industrial Estate
Newcastle-upon-Tyne NE27 0QF
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 manufacturer'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:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

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/SIR/ExTR09.0208/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0055/00](#)



IECEX Certificate of Conformity

Certificate No.: IECEx SIR 09.0134

Date of Issue: 2009-12-23

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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.

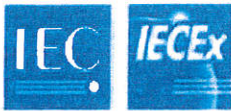
Without transformer driver 24 V variant – 23 V to 32 V DC, 22 V to 28 V AC.

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

Maximum current for all variants is 1 AMP.

CONDITIONS OF CERTIFICATION: NO

Empty box for conditions of certification.



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

Certificate No.: IECEx SIR 09.0134 issue No.:1
Status: Current
Date of Issue: 2010-03-26 Page 1 of 4

Certificate history:
Issue No. 1 (2010-3-26)
Issue No. 0 (2009-12-23)

Applicant: **Victor Products Limited**
New York Way
New York Industrial Estate
Newcastle-upon-Tyne NE27 0QF
United Kingdom

Electrical Apparatus: Type ML 102 Mining Luminaire
Optional accessory:

Type of Protection: Flameproof

Marking: Ex d I Mb IP65 (Ta = -20°C to +45°C)

Approved for issue on behalf of the IECEx Certification Body: D R Stubbings BA MIET

Position: Certification Manager

Signature:
(for printed version)

Date:

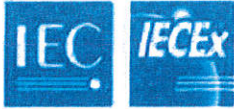
2010-03-26

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:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira
CERTIFICATION



IECEx Certificate of Conformity

Certificate No.: IECEx SIR 09.0134

Date of Issue: 2010-03-26

Issue No.: 1

Page 2 of 4

Manufacturer: **Victor Products Limited**
New York Way
New York Industrial Estate
Newcastle-upon-Tyne NE27 0QF
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 manufacturer'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:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

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/SIR/ExTR09.0208/01

Quality Assessment Report:

GB/SIR/QAR06.0055/00



IECEx Certificate of Conformity

Certificate No.: IECEx SIR 09.0134

Date of Issue: 2010-03-26

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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.

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx SIR 09.0134

Date of Issue: 2010-03-26

Issue No.: 1

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following change:	
1	Re-issued to allow GB/SIR/ExTR09.0208/00 to be replaced by GB/SIR/ExTR09.0208/01



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

Certificate No.: IECEx SIR 09.0134 Issue No: 2 Certificate history:
Status: **Current** Issue No. 2 (2017-09-18)
Date of Issue: **2017-09-18** Issue No. 1 (2010-03-26)
Page 1 of 4 Issue No. 0 (2009-12-23)

Applicant: **Victor Products Limited**
Unit 3A Tyne Dock East Side
Port of Tyne
South Shields NE33 5SQ
United Kingdom

Equipment: **Type ML 102 Mining Luminaire**
Optional accessory:

Type of Protection: **Flameproof**

Marking: Ex d I Mb IP65 (Ta = -20 °C to +45 °C)

Approved for issue on behalf of the IECEx
Certification Body:

A G Boyes

Position:

Certification Support Officer

Signature:
(for printed version)

Date:

2017-09-18

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:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom

sira
CERTIFICATION





IECEX Certificate of Conformity

Certificate No: IECEx SIR 09.0134 Issue No: 2
Date of Issue: 2017-09-18 Page 2 of 4
Manufacturer: **Victor Products Limited**
Unit 3A Tyne Dock East Side
Port of Tyne
South Shields NE33 5SQ
United Kingdom

Additional 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 manufacturer'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:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

*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/SIR/ExTR09.0208/01 GB/SIR/ExTR17.0134/00

Quality Assessment Report:

GB/SIR/QAR06.0055/00



IECEX Certificate of Conformity

Certificate No: IECEx SIR 09.0134

Issue No: 2

Date of Issue: 2017-09-18

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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.

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No: IECEx SIR 09.0134

Issue No: 2

Date of Issue: 2017-09-18

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Refer to the Annexe for the full certificate change history

Annex:

[IECEX SIR 09.0134 Issue 2 Annexe.pdf](#)

Annexe to: **IECEX SIR 09.0134 Issue 2**
Applicant: **Victor Products Ltd**
Apparatus: **Type ML 102 Mining Luminaire**



Full certificate change history

Issue 1 – this Issue introduced the following change:

- 1 Re-issued to allow GB/SIR/ExTR09.0208/00 to be replaced by GB/SIR/ExTR09.0208/01

Issue 2 – this Issue introduced the following change:

- 1 The Applicant's and Certificate holders address was changed:

From:	To:
Victor Products Ltd.	Victor Products Ltd.
New York Way	Unit 3A Tyne Dock East Side
New York Industrial Estate	Port of Tyne
Newcastle Upon Tyne NE27 0QF	South Shields NE33 5SQ
United Kingdom	United Kingdom



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX SIR 09.0134	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2017-09-18)
Date of Issue:	2022-05-26		Issue 1 (2010-03-26)
			Issue 0 (2009-12-23)
Applicant:	Victor Products Limited Unit 3A Tyne Dock East Side Port of Tyne South Shields NE33 5SQ United Kingdom		
Equipment:	Type ML 102 Mining Luminaire		
Optional accessory:			
Type of Protection:	Flameproof		
Marking:	Ex db I Mb IP65 (Ta = -20°C to +45°C)		

Approved for issue on behalf of the IECEx
Certification Body:

Michelle Halliwell

Position:

Director Operations, UK & Industrial Europe

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 09.0134**

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Date of issue: 2022-05-26

Issue No: 3

Manufacturer: **Victor Products Limited**
Unit 3A Tyne Dock East Side
Port of Tyne
South Shields NE33 5SQ
United Kingdom

Manufacturing locations: **Victor Products Limited**
Unit 3A Tyne Dock East Side
Port of Tyne
South Shields NE33 5SQ
United Kingdom

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 manufacturer'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 equipment 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

IEC 60079-0:2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5

IEC 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

This Certificate **does not** indicate compliance with 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 Reports:

GB/SIR/ExTR09.0208/01

GB/SIR/ExTR17.0134/00

GB/SIR/ExTR22.0041/00

Quality Assessment Report:

GB/SIR/QAR06.0055/09



IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 09.0134**

Page 3 of 4

Date of issue: 2022-05-26

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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. The enclosure incorporates up to two cable entry points, designed to accommodate 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.

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 09.0134**

Page 4 of 4

Date of issue: 2022-05-26

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This issue, Issue 3, recognises the following changes; refer to the certificate annex to view a comprehensive history:

1. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0:2007 Ed 5 was replaced by IEC 60079-0:2017 Ed 7 and IEC 60079-1:2007 Ed 6 was replaced by IEC 60079-1:2014 Ed 7
2. Update of the product description, which was brought inline with that of certificate no. Sira 09ATEX1328 Issue 03.

Annex:

IECEX SIR 09.0134 Issue 3 Annexe.pdf

Annexe to: IECEx SIR 09.0134 Issue 3

Applicant: Victor Products Ltd

Apparatus: Type ML 102 Mining Luminaire



Full certificate change history

Issue 1 – this Issue introduced the following change:

1. Re-issued to allow GB/SIR/ExTR09.0208/00 to be replaced by GB/SIR/ExTR09.0208/01

Issue 2 – this Issue introduced the following change:

1. The Applicant's and Certificate holders address was changed:

From:	To:
Victor Products Ltd.	Victor Products Ltd.
New York Way	Unit 3A Tyne Dock East Side
New York Industrial Estate	Port of Tyne
Newcastle Upon Tyne NE27 0QF	South Shields NE33 5SQ
United Kingdom	United Kingdom

Issue 3 – this Issue introduced the following change:

1. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0:2007 Ed 5 was replaced by IEC 60079-0:2017 Ed 7 and IEC 60079-1:2007 Ed 6 was replaced by IEC 60079-1:2014 Ed 7;
2. Update of the product description, which was brought inline with that of certificate no. Sira 09ATEX1328 Issue 03.