



1 **TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 00ATEX4117** Issue: **3**

4 Equipment: **VL 100 Floodlight**

5 Applicant: **Victor Lighting**

6 Address: 388 Hillington Road,  
Glasgow  
G52 4BL  
UK

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

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

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 of this certificate, has been assessed by reference to:

EN 60079-0:2009

EN 60079-15:2010

EN 60079-31:2009

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

12 The marking of the equipment shall include the following:



II 3 G D

Ex nR IIC T3 Gc IP66/67 or

Ex nA nR IIC T3 Gc IP66

Ex tc IIIC T200°C Dc

Ta = -30°C to +50 °C

Ta = -30°C to +40°C (Narrow beam version)

C Ellaby  
Deputy Certification Manager

Project Number 23938

This certificate and its schedules may only be reproduced in its entirety and without change.



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

Sira 00ATEX4117

Issue 3

#### 13 DESCRIPTION OF EQUIPMENT

##### Rating

220-250 V ac 50/60 Hz

Tungsten Halogen lamp types: 250 V max

SON	MBI	MBF	T/H
400W – T	400W – T	400W	Up to 500 W
400W – E	400W – E	250W	-
250W – T	250W – T	-	-
250W – E	250W – E	-	-
150W – T	-	-	-
150W – E	-	-	-

The VL 100 Floodlight has 5 beam patterns as follows:

Reflector Type	Lamp Type	T Class	Ambient
Narrow beam	Tubular	T3	-30°C to +40°C
Wide beam	Elliptical	T3	-30°C to +50°C
Wide beam	Tubular	T3	-30°C to +50°C
Double asymmetric beam	Tubular	T3	-30°C to +50°C
Narrow symmetric beam	Tubular	T3	-30°C to +50°C
Medium beam	Tubular	T3	-30°C to +50°C

The VL 100 Floodlight is an aluminium die-casting that houses a reflector, a lamp and the associated control gear to operate the lamp. It is designed as a restricted breathing enclosure.

##### Enclosure

The VL100 Floodlight consists of a single die cast alloy enclosure with hinged cover and window. The enclosure is split into two main compartments to house the lamp and to house the control gear. The lamp compartment is shaped to locate the lamp holder and lamp reflectors. The control gear compartment houses the supply connection terminals and lamp control gear such as the ballast and ignitor etc. The enclosure utilises a single die cast cover to hold the window that is hinged on the bottom of the control gear compartment. The cover is secured in place using four counter bored cap head fasteners. The window is sealed against the cover using silicone RTV sealant and is mechanically held in place with two steel bolted retaining strips.

To maintain the restricted breathing properties of the enclosure, suitably approved cable glands for use with Type n restricted breathing enclosures shall be used to provide the cable entries. There is also an option to mount the field wired terminals externally in an approved terminal box which is secured to the main enclosure.

##### Control Gear

**Lampholder** (Porcelain screw non-sparking lamp holder)

- E40 – BJB 29.048

This certificate and its schedules may only be reproduced in its entirety and without change.



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

Sira 00ATEX4117

Issue 3

#### Igniters

- Transtar Sealed igniters; types, T-60454400 and T-60454500, ATEX component certified under Baseefa 11ATEX0072U

#### Capacitors

- Power factor correction capacitors, dry Metallised Film construction to EN 61048 rated for continuous use in a -30°C to +95°C ambient conditions

#### Ballasts

- Ballasts are manufactured in accordance with EN 61347-1, EN 61347-2-9 & EN 60923 with minimum specifications:  
Tw = 140°C  
ΔT = 60°C  
Ballast may be fitted with thermal cut outs

**Variation 1** - This variation introduced the following changes:

- The option to replace the original lampholder with one of the following ceramic lampholders, as detailed on drawing LA358 was approved:-

Manufacturer	Type	Manufacturer's Ref.	Fixing Hole Centres	Fixing Screws
Vossloh-Schwabe	E27	102577	18 mm	M4
Vossloh-Schwabe	E40	107780	30 mm oblong holes	M5
		108375	56.5 mm bracket with slots	M5
BJB Lampholder	E40	29.408.3810.00	30 mm oblong holes	M5
		29.408.3811.00	56.5 mm bracket with slots	M4 or M5

**Variation 2** - This variation introduced the following changes:

- Following appropriate re-assessment to demonstrate compliance with the requirements of the EN 60079 series of standards, the documents previously listed in section 9, EN 50014:1997 (amendments A1 to A2), EN 50021:1999 and EN 50281-1-1:1998, were replaced by those currently listed, the markings in section 12 of the certificate were updated accordingly and the conditions of certification were amended to recognise the new standards. As part of this modification, the design of this equipment was reviewed and, where necessary, constituent parts were changed for more modern equivalents (the Description of Equipment was modified to replace the old parts with the latest version and the lower ambient temperature limit was raised from -50°C to -30°C).
- An optional, non-sparking terminal enclosure that is secured to the outside of the original enclosure was introduced: this enclosure allows the terminals to be field wired without opening the main luminaire enclosure. This version of the luminaire is marked: Ex nA nR IIC T3 Gc IP66.
- The Applicants name and address was approved to be changed from Victor Products Ltd, New York Way, New York Industrial Park, Newcastle Upon Tyne, NE27 0QF to that currently shown.

## 14 DESCRIPTIVE DOCUMENTS

### 14.1 Drawings

Refer to Certificate Annexe.

This certificate and its schedules may only be reproduced in its entirety and without change.

## Sira Certification Service

Rake Lane, Eccleston, Chester, CH4 9JN, England

Tel: +44 (0) 1244 670900

Fax: +44 (0) 1244 681330

Email: [info@siracertification.com](mailto:info@siracertification.com)

Web: [www.siracertification.com](http://www.siracertification.com)



**SCHEDULE**

**TYPE EXAMINATION CERTIFICATE**

**Sira 00ATEX4117  
Issue 3**

**14.2 Associated Sira Reports and Certificate History**

Issue	Date	Report number	Comment
0	08 September 2000	R53A6956A	The release of prime certificate.
1	05 December 2002	R53A6956A	Issued to correct a typographical error
2	06 December 2002	R53A9772A	The introduction of Variation 1.
3	11 October 2011	R23938A/00	This Issue covers the following changes: <ul style="list-style-type: none"><li>All previously issued certification was rationalised into a single certificate, Issue 3, Issues 0 to 2 referenced above are only intended to reflect the history of the previous certification and have not been issued as documents in this format.</li><li>The introduction of Variation 2.</li></ul>

**15 SPECIAL CONDITIONS FOR SAFE USE**

None

**16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)**

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed 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 Type Examination Certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 17.3 Each Enclosure shall be subject to a routine restricted breathing test by checking that the time taken for the internal pressure to change from 3 KPa to 2.7 KPa is greater than 14s, as required by clause 23.2.3.2.1.2 of EN60079-15:2010.
- 17.4 All luminaires to be subjected to a routine insulation resistance and electric strength test in accordance with IEC 60598-2, as required by clause 11.3.6 of EN60079-15:2010.
- 17.5 The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.

This certificate and its schedules may only be reproduced in its entirety and without change.

## Certificate Annexe

**Certificate Number:** Sira 00ATEX4117  
**Equipment:** VL 100 Floodlight  
**Applicant:** Victor Lighting



### Issues 0 and 1

Drawing No	Sheet	Rev	Date	Title
LA319	1 of 1	1	07 Jun 00	VL 100 - ZONE 2 FLOODLIGHT

### Issue 2

Drawing No	Sheet	Rev	Date	Title
LA319	1 of 1	2	27 Nov 02	VL100 – Zone 2 Floodlight
LA358	1 of 1	1	25 Nov 02	Alternative Lampholders

### Issue 3

Drawing No	Sheets	Rev.	Date (Sira Stamp)	Title
HO22404	1 to 3	0	07 Oct 11	VL100 Zone 2 Floodlight-IECEX
HO22405	1 of 1	0	07 Oct 11	Certification label

This certificate and its schedules may only be reproduced in its entirety and without change.



1 **TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 00ATEX4117** Issue: **4**

4 Equipment: **VL 100 Floodlight**

5 Applicant: **Victor Lighting**

6 Address: 388 Hillington Road,  
Glasgow  
G52 4BL  
UK

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

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

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 of this certificate, has been assessed by reference to:

EN 60079-0:2009

EN 60079-15:2010

EN 60079-31:2009

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

12 The marking of the equipment shall include the following:



II 3 G D

Ex nR IIC T3 Gc IP66/67 or

Ex nA nR IIC T3 Gc IP66

Ex tc IIIC T200°C Dc

Ta = -30°C to +50 °C

Ta = -30°C to +40°C (Narrow beam version)

C Ellaby  
Deputy Certification Manager

Project Number 26570

This certificate and its schedules may only be reproduced in its entirety and without change.



**SCHEDULE**

**TYPE EXAMINATION CERTIFICATE**

**Sira 00ATEX4117  
Issue 4**

**13 DESCRIPTION OF EQUIPMENT**

**Rating**

220-250 V ac 50/60 Hz  
Tungsten Halogen lamp types: 250 V max

SON	MBI	MBF	T/H
400W – T	400W – T	400W	Up to 500 W
400W – E	400W – E	250W	-
250W – T	250W – T	-	-
250W – E	250W – E	-	-
150W – T	-	-	-
150W – E	-	-	-

The VL 100 Floodlight has 5 beam patterns as follows:

Reflector Type	Lamp Type	T Class	Ambient
Narrow beam	Tubular	T3	-30°C to +40°C
Wide beam	Elliptical	T3	-30°C to +50°C
Wide beam	Tubular	T3	-30°C to +50°C
Double asymmetric beam	Tubular	T3	-30°C to +50°C
Narrow symmetric beam	Tubular	T3	-30°C to +50°C
Medium beam	Tubular	T3	-30°C to +50°C

The VL 100 Floodlight is an aluminium die-casting that houses a reflector, a lamp and the associated control gear to operate the lamp. It is designed as a restricted breathing enclosure.

**Enclosure**

The VL100 Floodlight consists of a single die cast alloy enclosure with hinged cover and window. The enclosure is split into two main compartments to house the lamp and to house the control gear. The lamp compartment is shaped to locate the lamp holder and lamp reflectors. The control gear compartment houses the supply connection terminals and lamp control gear such as the ballast and ignitor etc. The enclosure utilises a single die cast cover to hold the window that is hinged on the bottom of the control gear compartment. The cover is secured in place using four counter bored cap head fasteners. The window is sealed against the cover using silicone RTV sealant and is mechanically held in place with two steel bolted retaining strips.

To maintain the restricted breathing properties of the enclosure, suitably approved cable glands for use with Type n restricted breathing enclosures shall be used to provide the cable entries. There is also an option to mount the field wired terminals externally in an approved terminal box which is secured to the main enclosure.

**Control Gear**

**Lampholder** (Porcelain screw non-sparking lamp holder)

- E40 – BJB 29.048

This certificate and its schedules may only be reproduced in its entirety and without change.



**SCHEDULE**

**TYPE EXAMINATION CERTIFICATE**

**Sira 00ATEX4117  
Issue 4**

**Igniters**

- Transtar Sealed igniters; types, T-60454400 and T-60454500, ATEX component certified under Baseefa 11ATEX0072U

**Capacitors**

- Power factor correction capacitors, dry Metallised Film construction to EN 61048 rated for continuous use in a -30°C to +95°C ambient conditions

**Ballasts**

- Ballasts are manufactured in accordance with EN 61347-1, EN 61347-2-9 & EN 60923 with minimum specifications:  
Tw = 140°C  
ΔT = 60°C  
Ballast may be fitted with thermal cut outs

**Variation 1** - This variation introduced the following changes:

- The option to replace the original lampholder with one of the following ceramic lampholders, as detailed on drawing LA358 was approved:-

Manufacturer	Type	Manufacturer's Ref.	Fixing Hole Centres	Fixing Screws
Vossloh-Schwabe	E27	102577	18 mm	M4
Vossloh-Schwabe	E40	107780	30 mm oblong holes	M5
		108375	56.5 mm bracket with slots	M5
BJB Lampholder	E40	29.408.3810.00	30 mm oblong holes	M5
		29.408.3811.00	56.5 mm bracket with slots	M4 or M5

**Variation 2** - This variation introduced the following changes:

- Following appropriate re-assessment to demonstrate compliance with the requirements of the EN 60079 series of standards, the documents previously listed in section 9, EN 50014:1997 (amendments A1 to A2), EN 50021:1999 and EN 50281-1-1:1998, were replaced by those currently listed, the markings in section 12 of the certificate were updated accordingly and the conditions of certification were amended to recognise the new standards. As part of this modification, the design of this equipment was reviewed and, where necessary, constituent parts were changed for more modern equivalents (the Description of Equipment was modified to replace the old parts with the latest version and the lower ambient temperature limit was raised from -50°C to -30°C).
- An optional, non-sparking terminal enclosure that is secured to the outside of the original enclosure was introduced: this enclosure allows the terminals to be field wired without opening the main luminaire enclosure. This version of the luminaire is marked: Ex nA nR IIC T3 Gc IP66.
- The Applicants name and address was approved to be changed from Victor Products Ltd, New York Way, New York Industrial Park, Newcastle Upon Tyne, NE27 0QF to that currently shown.

**Variation 3** - This variation introduced the following changes:

- Minor change to the drawings, to list the latest applicable standards and recognise the amended label (dust marking) required for the new associated ATEX certificate (Sira 11ATEX9375).

This certificate and its schedules may only be reproduced in its entirety and without change.





**SCHEDULE**

**TYPE EXAMINATION CERTIFICATE**

**Sira 00ATEX4117  
Issue 4**

**14 DESCRIPTIVE DOCUMENTS**

**14.1 Drawings**

Refer to Certificate Annexe.

**14.2 Associated Sira Reports and Certificate History**

Issue	Date	Report no.	Comment
0	08 September 2000	R53A6956A	The release of prime certificate.
1	05 December 2002	R53A6956A	Issued to correct a typographical error
2	06 December 2002	R53A9772A	The introduction of Variation 1.
3	11 October 2011	R23938A/00	This Issue covers the following changes: <ul style="list-style-type: none"><li>All previously issued certification was rationalised into a single certificate, Issue 3, Issues 0 to 2 referenced above are only intended to reflect the history of the previous certification and have not been issued as documents in this format.</li><li>The introduction of Variation 2.</li></ul>
4	1 February 2012	R26570A/00	The introduction of Variation 2

**15 SPECIAL CONDITIONS FOR SAFE USE**

None

**16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)**

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed 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 Type Examination Certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 Each Enclosure shall be subject to a routine restricted breathing test by checking that the time taken for the internal pressure to change from 3 KPa to 2.7 KPa is greater than 14s, as required by clause 23.2.3.2.1.2 of EN60079-15:2010.

17.4 All luminaires to be subjected to a routine insulation resistance and electric strength test in accordance with IEC 60598-2, as required by clause 11.3.6 of EN60079-15:2010.

17.5 The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.

This certificate and its schedules may only be reproduced in its entirety and without change.

## Certificate Annexe

**Certificate Number:** Sira 00ATEX4117  
**Equipment:** VL 100 Floodlight  
**Applicant:** Victor Lighting



### Issues 0 and 1

Drawing No	Sheet	Rev	Date	Title
LA319	1 of 1	1	07 Jun 00	VL 100 - ZONE 2 FLOODLIGHT

### Issue 2

Drawing No	Sheet	Rev	Date	Title
LA319	1 of 1	2	27 Nov 02	VL100 – Zone 2 Floodlight
LA358	1 of 1	1	25 Nov 02	Alternative Lampholders

### Issue 3

Drawing No	Sheets	Rev.	Date (Sira Stamp)	Title
H022404	1 to 3	0	07 Oct 11	VL100 Zone 2 Floodlight-IECEX
H022405	1 of 1	0	07 Oct 11	Certification label

### Issue 4

Drawing No	Sheets	Rev.	Date (Sira stamp)	Title
H022404	1 to 3	1	16 Dec 11	VL100 – zone 2 Floodlight - IECEX
H022405	1 of 1	1	13 Jan 12	Certification Label

This certificate and its schedules may only be reproduced in its entirety and without change.



1 **TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 00ATEX4117** Issue: **5**

4 Equipment: **VL 100 Floodlight**

5 Applicant: **Victor Lighting**

6 Address: 388 Hillington Road,  
Glasgow G52 4BL  
UK

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

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

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 of this certificate, has been assessed by reference to:

EN 60079-0:2009

EN 60079-15:2010

EN 60079-31:2009

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

12 The marking of the equipment shall include the following:



II 3 G D

Ex nR IIC T3 Gc IP66/67 or

Ex nA nR IIC T3 Gc IP66

Ex tc IIIC T200°C Dc

Ta = -30°C to +50 °C

Ta = -30°C to +40°C (Narrow beam version)

Project Number 32491

C Ellaby  
Deputy Certification Manager

This certificate and its schedules may only be reproduced in its entirety and without change.



**SCHEDULE**

**TYPE EXAMINATION CERTIFICATE**

**Sira 00ATEX4117  
Issue 5**

**13 DESCRIPTION OF EQUIPMENT**

**Rating**

220-250 V ac 50/60 Hz  
Tungsten Halogen lamp types: 250 V max

SON	MBI	MBF	T/H
400W – T	400W – T	400W	Up to 500 W
400W – E	400W – E	250W	-
250W – T	250W – T	-	-
250W – E	250W – E	-	-
150W – T	-	-	-
150W – E	-	-	-

The VL 100 Floodlight has 5 beam patterns as follows:

Reflector Type	Lamp Type	T Class	Ambient
Narrow beam	Tubular	T3	-30°C to +40°C
Wide beam	Elliptical	T3	-30°C to +50°C
Wide beam	Tubular	T3	-30°C to +50°C
Double asymmetric beam	Tubular	T3	-30°C to +50°C
Narrow symmetric beam	Tubular	T3	-30°C to +50°C
Medium beam	Tubular	T3	-30°C to +50°C

The VL 100 Floodlight is an aluminium die-casting that houses a reflector, a lamp and the associated control gear to operate the lamp. It is designed as a restricted breathing enclosure.

**Enclosure**

The VL100 Floodlight consists of a single die cast alloy enclosure with hinged cover and window. The enclosure is split into two main compartments to house the lamp and to house the control gear. The lamp compartment is shaped to locate the lamp holder and lamp reflectors. The control gear compartment houses the supply connection terminals and lamp control gear such as the ballast and ignitor etc. The enclosure utilises a single die cast cover to hold the window that is hinged on the bottom of the control gear compartment. The cover is secured in place using four counter bored cap head fasteners. The window is sealed against the cover using silicone RTV sealant and is mechanically held in place with two steel bolted retaining strips.

To maintain the restricted breathing properties of the enclosure, suitably approved cable glands for use with Type n restricted breathing enclosures shall be used to provide the cable entries. There is also an option to mount the field wired terminals externally in an approved terminal box which is secured to the main enclosure.

**Control Gear**

**Lampholder** (Porcelain screw non-sparking lamp holder)

- E40 – BJB 29.048



**SCHEDULE**

**TYPE EXAMINATION CERTIFICATE**

**Sira 00ATEX4117  
Issue 5**

**Igniters**

- Transtar Sealed igniters; types, T-60454400 and T-60454500, ATEX component certified under Baseefa 11ATEX0072U

**Capacitors**

- Power factor correction capacitors, dry Metallised Film construction to EN 61048 rated for continuous use in a -30°C to +95°C ambient conditions

**Ballasts**

- Ballasts are manufactured in accordance with EN 61347-1, EN 61347-2-9 & EN 60923 with minimum specifications:  
Tw = 140°C  
ΔT = 60°C  
Ballast may be fitted with thermal cut outs

**Variation 1** - This variation introduced the following changes:

- i. The option to replace the original lampholder with one of the following ceramic lampholders, as detailed on drawing LA358 was approved:-

Manufacturer	Type	Manufacturer's Ref.	Fixing Hole Centres	Fixing Screws
Vossloh-Schwabe	E27	102577	18 mm	M4
Vossloh-Schwabe	E40	107780	30 mm oblong holes	M5
		108375	56.5 mm bracket with slots	M5
BJB Lampholder	E40	29.408.3810.00	30 mm oblong holes	M5
		29.408.3811.00	56.5 mm bracket with slots	M4 or M5

**Variation 2** - This variation introduced the following changes:

- i. Following appropriate re-assessment to demonstrate compliance with the requirements of the EN 60079 series of standards, the documents previously listed in section 9, EN 50014:1997 (amendments A1 to A2), EN 50021:1999 and EN 50281-1-1:1998, were replaced by those currently listed, the markings in section 12 of the certificate were updated accordingly and the conditions of certification were amended to recognise the new standards. As part of this modification, the design of this equipment was reviewed and, where necessary, constituent parts were changed for more modern equivalents (the Description of Equipment was modified to replace the old parts with the latest version and the lower ambient temperature limit was raised from -50°C to -30°C).
- ii. An optional, non-sparking terminal enclosure that is secured to the outside of the original enclosure was introduced: this enclosure allows the terminals to be field wired without opening the main luminaire enclosure. This version of the luminaire is marked: Ex nA nR IIC T3 Gc IP66.
- iii. The Applicant's name and address was changed from Victor Products Ltd, New York Way, New York Industrial Park, Newcastle Upon Tyne, NE27 0QF to that currently shown.

**Variation 3** - This variation introduced the following changes:

- i. Minor change to the drawings, to list the latest applicable standards and recognise the amended label (dust marking) required for the new associated ATEX certificate (Sira 11ATEX9375).

**Variation 4** - This variation introduced the following changes:

- i. The recognition of an alternative mounting orientation of the optional, non-sparking terminal enclosure used on the Ex nA nR IIC T3 Gc IP66 version of the luminaire.

This certificate and its schedules may only be reproduced in its entirety and without change.

**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England

Tel: +44 (0) 1244 670900  
Fax: +44 (0) 1244 681330  
Email: [info@siracertification.com](mailto:info@siracertification.com)  
Web: [www.siracertification.com](http://www.siracertification.com)



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

Sira 00ATEX4117  
Issue 5

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

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

Issue	Date	Report no.	Comment
0	08 September 2000	R53A6956A	The release of prime certificate.
1	05 December 2002	R53A6956A	Issued to correct a typographical error
2	06 December 2002	R53A9772A	The introduction of Variation 1.
3	11 October 2011	R23938A/00	This Issue covers the following changes: <ul style="list-style-type: none"><li>All previously issued certification was rationalised into a single certificate, Issue 3, Issues 0 to 2 referenced above are only intended to reflect the history of the previous certification and have not been issued as documents in this format.</li><li>The introduction of Variation 2.</li></ul>
4	1 February 2012	R26570A/00	The introduction of Variation 3.
5	12 December 2013	R32491A/00	The introduction of Variation 4.

#### 15 SPECIAL CONDITIONS FOR SAFE USE

None

#### 16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed 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 Type Examination Certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 Each Enclosure shall be subject to a routine restricted breathing test by checking that the time taken for the internal pressure to change from 3 KPa to 2.7 KPa is greater than 14s, as required by clause 23.2.3.2.1.2 of EN60079-15:2010.

17.4 All luminaires to be subjected to a routine insulation resistance and electric strength test in accordance with IEC 60598-2, as required by clause 11.3.6 of EN60079-15:2010.

17.5 The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.

This certificate and its schedules may only be reproduced in its entirety and without change.

# Certificate Annexe

**Certificate Number:** Sira 00ATEX4117  
**Equipment:** VL 100 Floodlight  
**Applicant:** Victor Lighting



## Issues 0 and 1

Drawing No	Sheet	Rev	Date	Title
LA319	1 of 1	1	07 Jun 00	VL 100 - ZONE 2 FLOODLIGHT

## Issue 2

Drawing No	Sheet	Rev	Date	Title
LA319	1 of 1	2	27 Nov 02	VL100 – Zone 2 Floodlight
LA358	1 of 1	1	25 Nov 02	Alternative Lampholders

## Issue 3

Drawing No	Sheets	Rev.	Date (Sira Stamp)	Title
H022404	1 to 3	0	07 Oct 11	VL100 Zone 2 Floodlight-IECEX
H022405	1 of 1	0	07 Oct 11	Certification label

## Issue 4

Drawing No	Sheets	Rev.	Date (Sira stamp)	Title
H022404	1 to 3	1	16 Dec 11	VL100 – zone 2 Floodlight - IECEX
H022405	1 of 1	1	13 Jan 12	Certification Label

## Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
H022404	1 to 4	2	10 Dec 13	VL100 – zone 2 Floodlight - IECEX

This certificate and its schedules may only be reproduced in its entirety and without change.

## Sira Certification Service

Rake Lane, Eccleston, Chester, CH4 9JN, England

Tel: +44 (0) 1244 670900  
Fax: +44 (0) 1244 681330  
Email: [info@siracertification.com](mailto:info@siracertification.com)  
Web: [www.siracertification.com](http://www.siracertification.com)