



1 **TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 14ATEX4097X** Issue: **0**

4 Equipment: **SafeSite Series LED Area Light**

5 Applicant: **Dialight Europe PLC**

6 Address: Exning Road  
Newmarket  
Suffolk CB8 0AX  
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 60079-0:2012

EN 60079-15:2010

IEC 60079-31:2013 Ed 2

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

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 nA nC IIC T4 Gc

Ex tc IIIC T130°C Dc

Tamb = -40°C to +65°C

Project Number 70004701

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C Ellaby  
Deputy Certification Manager



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

**Sira 14ATEX4097X**

**Issue 0**

#### 13 DESCRIPTION OF EQUIPMENT

The SafeSite Series LED Area Light comprises a cast aluminium body with a hinged aluminium frame and a glass window; held together by sixteen, M8 x 25 mm, stainless steel, socket head type screws. The window is secured within the enclosure by the compression of the cast ring/frame to the main body. Internally, the following may be fitted: up to 51 LEDs (dissipating a maximum of 1.5 W each), a reflector, a terminal block, pluggable connector and a sealed power supply. An aluminium, steel or stainless steel bracket for mounting purposes is fixed via the rear of the enclosure.

The equipment utilises one threaded entry in the rear of the main LED enclosure for the use of suitably approved Ex e IIC Gb, Ex nA IIC Gc or Ex tc IIIC Dc cable entry devices or blanking elements.

The SafeSite Series LED Area Light may optionally be fitted with an additional 'Ex e' certified enclosure, fitted with certified terminals. The terminal box is fitted to the rear of the main body of the LED Area Light via a silicone gasket and four M4 screws. The 'Ex e' enclosure may utilise up to two, M20 entries in the side wall and up to five, M20 entries on the front wall, for the use of suitably approved, Ex e IIC Gb or Ex tb IIIC Db cable entry devices or blanking elements.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

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

Issue	Date	Report number	Comment
0	11 September 2014	R70004701A	The release of the prime certificate.

#### 15 SPECIAL CONDITIONS FOR SAFE USE

15.1 Parts of the enclosure may be non-conducting and may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external influences, which might cause a build-up of electrostatic charge on non-conducting surfaces.

15.2 The threaded entry in the rear of the main LED enclosure must be fitted with suitably approved Ex e IIC Gb, Ex nA IIC Gc or Ex tc IIIC Dc (minimum) cable entry device or blanking element. The optional Ex e enclosure must be fitted with suitably approved Ex e IIC Gb or Ex tb IIIC Db cable entry devices or blanking elements.

#### 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.



## **SCHEDULE**

### **TYPE EXAMINATION CERTIFICATE**

**Sira 14ATEX4097X**

**Issue 0**

#### **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 Area Light shall be subjected to an electric strength test between the circuit and earth for 60 s in accordance with EN 60079-15:2010, Clause 23.2.1. Alternatively, a test voltage of 1.2 times the test voltage may be applied for 100 ms. There shall be no evidence of flashover or breakdown.
- 17.4 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

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### **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)

## Certificate Annexe

**Certificate Number:** Sira 14ATEX4097X  
**Equipment:** SafeSite Series LED Area Light  
**Applicant:** Dialight Europe PLC

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### Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
HZBXXXX	1 to 6	A	27 Aug 14	Zone 2, Areal Light W/Wire Box

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### Sira Certification Service

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



1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres 2014/34/EU

3 Certificate Number: **Sira 14ATEX4097X** Issue: **1**

4 Equipment: **SafeSite Series LED Area Light**

5 Applicant: **Dialight Corporation**

6 Address: 1501 Route 34 South  
Farmingdale  
New Jersey 07727  
USA

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 2 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 2014/34/EU of the European Parliament and of the Council, 26 February 2014.

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 60079-0:2012

EN 60079-15:2010

IEC 60079-31:2013 Ed 2

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of 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 nA nC IIC T4 Gc

Ex tc IIIC T130°C Dc

Tamb = -40°C to +65°C

Project Number 70091175

  
A G Boyes  
Certification Support Officer

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## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

**Sira 14ATEX4097X**

**Issue 1**

#### 13 DESCRIPTION OF EQUIPMENT

The SafeSite Series LED Area Light comprises a cast aluminium body with a hinged aluminium frame and a glass window; held together by sixteen, M8 x 25 mm, stainless steel, socket head type screws. The window is secured within the enclosure by the compression of the cast ring/frame to the main body. Internally, the following may be fitted: up to 51 LEDs (dissipating a maximum of 1.5 W each), a reflector, a terminal block, pluggable connector and a sealed power supply. An aluminium, steel or stainless steel bracket for mounting purposes is fixed via the rear of the enclosure.

The equipment utilises one threaded entry in the rear of the main LED enclosure for the use of suitably approved Ex e IIC Gb, Ex nA IIC Gc or Ex tc IIIC Dc cable entry devices or blanking elements.

The SafeSite Series LED Area Light may optionally be fitted with an additional 'Ex e' certified enclosure, fitted with certified terminals. The terminal box is fitted to the rear of the main body of the LED Area Light via a silicone gasket and four M4 screws. The 'Ex e' enclosure may utilise up to two, M20 entries in the side wall and up to five, M20 entries on the front wall, for the use of suitably approved, Ex e IIC Gb or Ex tb IIIC Db cable entry devices or blanking elements.

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

- i. The Applicant's name and address was changed:

From:  
Dialight Europe PLC  
Exning Road  
Newmarket  
Suffolk CB8 0AX  
UK

To:  
Dialight Corporation  
1501 Route 34 South  
Farmingdale  
New Jersey 07727  
USA

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

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

Issue	Date	Report number	Comment
0	11 September 2014	R70004701A	The release of the prime certificate.
1	14 November 2016	R70091175A	<p>This Issue covers the following changes:</p> <ul style="list-style-type: none"><li>Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i></li><li>The introduction of Variation 1.</li></ul>

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## Sira Certification Service

Unit 6 Hawarden Industrial Park,  
Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 670900  
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Web: [www.csagroupuk.org](http://www.csagroupuk.org)



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

**Sira 14ATEX4097X**  
**Issue 1**

#### 15 SPECIFIC CONDITIONS OF USE

- 15.1 Parts of the enclosure may be non-conducting and may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external influences, which might cause a build-up of electrostatic charge on non-conducting surfaces.
- 15.2 The threaded entry in the rear of the main LED enclosure must be fitted with suitably approved Ex e IIC Gb, Ex nA IIC Gc or Ex tc IIIC Dc (minimum) cable entry device or blanking element. The optional Ex e enclosure must be fitted with suitably approved Ex e IIC Gb or Ex tb IIIC Db cable entry devices or blanking elements.

#### 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 reports listed in Section 14.2.

#### 17 CONDITIONS OF MANUFACTURE

- 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 13 of Directive 2014/34/EU.
- 17.3 Each Area Light shall be subjected to an electric strength test between the circuit and earth for 60 s in accordance with EN 60079-15:2010, Clause 23.2.1. Alternatively, a test voltage of 1.2 times the test voltage may be applied for 100 ms. There shall be no evidence of flashover or breakdown.
- 17.4 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

### Sira Certification Service

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Email: [ukinfo@csagroup.org](mailto:ukinfo@csagroup.org)  
Web: [www.csagroupuk.org](http://www.csagroupuk.org)

## Certificate Annexe

**Certificate Number:** Sira 16ATEX1234  
**Equipment:** SafeSite Series LED Area Light  
**Applicant:** Dialight Corporation

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### Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
HZBXXXX	1 to 6	A	27 Aug 14	Zone 2, Areal Light W/Wire Box

### Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
HZBXXXX	1 to 6	B	02 Nov 16	Zone 2, Area Light

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Email: [ukinfo@csagroup.org](mailto:ukinfo@csagroup.org)  
Web: [www.csagroupuk.org](http://www.csagroupuk.org)





1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 14ATEX4097X** Issue: **2**

4 Equipment: **SafeSite Series LED Area Light**

5 Applicant: **Dialight Corporation**

6 Address: 1501 Route 34 South  
Farmingdale  
New Jersey 07727  
USA

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

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 2 3 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 60079-0:2012

EN 60079-15:2010

IEC 60079-31:2013 Ed 2

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified 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. 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:



II 3 G D

Ex nA nC IIC T4 Gc

Ex tc IIIC T130°C Dc

Tamb = -40°C to +65°C

Project Number 1120

Signed: 

Title: Director of Operations

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**CSA Group Netherlands B.V.**  
Utrechtseweg 310,  
6812 AR, Arnhem,  
Netherlands



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

**Sira 14ATEX4097X**  
**Issue 2**

#### 13 DESCRIPTION OF EQUIPMENT

The SafeSite Series LED Area Light comprises a cast aluminium body with a hinged aluminium frame and a glass window; held together by sixteen, M8 x 25 mm, stainless steel, socket head type screws. The window is secured within the enclosure by the compression of the cast ring/frame to the main body. Internally, the following may be fitted: up to 51 LEDs (dissipating a maximum of 1.5 W each), a reflector, a terminal block, pluggable connector and a sealed power supply. An aluminium, steel or stainless steel bracket for mounting purposes is fixed via the rear of the enclosure.

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

i. The Applicant's name and address was changed:

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Dialight Europe PLC  
Exning Road  
Newmarket  
Suffolk CB8 0AX  
UK

To:  
Dialight Corporation  
1501 Route 34 South  
Farmingdale  
New Jersey 07727  
USA

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

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

Issue	Date	Report number	Comment
0	11 September 2014	R70004701A	The release of the prime certificate.
1	14 November 2016	R70091175A	This Issue covers the following changes: <ul style="list-style-type: none"><li>Type Examination Certificate in accordance with 94/9/EC updated to Type Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i></li><li>The introduction of Variation 1.</li></ul>

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**CSA Group Netherlands B.V.**  
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6812 AR, Arnhem,  
Netherlands



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

**Sira 14ATEX4097X**  
**Issue 2**

Issue	Date	Report number	Comment
2	15 October 2019	1120	Transfer of certificate <b>Sira 14ATEX4097X</b> from Sira Certification Service to CSA Group Netherlands B.V..

#### 15 SPECIFIC CONDITIONS OF USE

- 15.1 Parts of the enclosure may be non-conducting and may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external influences, which might cause a build-up of electrostatic charge on non-conducting surfaces.
- 15.2 The threaded entry in the rear of the main LED enclosure must be fitted with suitably approved Ex e IIC Gb, Ex nA IIC Gc or Ex tc IIIC Dc (minimum) cable entry device or blanking element. The optional Ex e enclosure must be fitted with suitably approved Ex e IIC Gb or Ex tb IIIC Db cable entry devices or blanking elements.

#### 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 reports listed in Section 14.2.

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**CSA Group Netherlands B.V.**  
Utrechtseweg 310,  
6812 AR, Arnhem,  
Netherlands

## Certificate Annexe



**Certificate Number:** Sira 14ATEX4097X  
**Equipment:** SafeSite Series LED Area Light  
**Applicant:** Dialight Corporation

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### Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
HZBXXXX	1 to 6	A	27 Aug 14	Zone 2, Areal Light W/Wire Box

### Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
HZBXXXX	1 to 6	B	02 Nov 16	Zone 2, Area Light

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6812 AR, Arnhem,  
Netherlands