



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 11ATEX1357** Issue: **4**

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 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007 EN 60079-31:2009

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 identified in the schedule to this certificate.

11 This EU-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:



II 2 G D

Ex d \* IIC T4 Gb (Ta = -40°C to +65°C)

Ex d \* IIC T5 Gb (Ta = -40°C to +42°C)

Ex tb IIIC T135°C Db IP 6X (Ta = -40°C to +65°C)

Ex tb IIIC T100°C Db IP 6X (Ta = -40°C to +42°C)

\* When these Lights are fitted with an increased safety enclosure and terminals, this marking becomes 'd e'.

Project Number 70090513

  
N Jones  
Certification Manager

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



## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

**Sira 11ATEX1357**  
**Issue 4**

#### 13 DESCRIPTION OF EQUIPMENT

The SafeSite LED Area Light comprises a cast aluminium body with a hinged aluminium frame and a 19 mm thick soda lime toughened glass window; held together by sixteen, M8 x 35 mm, stainless steel, button head type screws with a property class A2-70 or A4-80 minimum or better. 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 1.2 W each), a reflector and a potted power supply.

In the base of the enclosure there is one entry; this is drilled to a maximum diameter of 26 mm and is fitted with suitably certified and dimensioned cable entry device, coded Ex d IIC Gb/Ex t IIIC Db, accommodating a permanently attached cable that is supplied in various lengths to suit customer requirements. An aluminium, steel or stainless steel bracket for mounting purposes is fixed via the rear of the enclosure.

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

- i. The option to fit a component approved, increased safety enclosure (PTB 98ATEX3101U) was approved, increased safety terminals (PTB 03ATEX1189U) are installed inside this enclosure which is then mounted to the rear of the Safesite LED Area Light using a flameproof, line bushing (EPS 08ATEX1105X). The manufacturer provides the cable entries with glands/stoppers/blanking plugs that are suitable for the application. The marking was modified to recognise that the Light may incorporate increased safety products and a new Condition of Certification associated with the previously certified devices was applied.
- ii. The option to connect together multiple units was recognised.

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

- i. The introduction of an alternative rated potted power supply; 24 Vdc to 48 Vdc model. The power supply remains within the Ex d enclosure.
- ii. The introduction of an optional mounting frame to allow for 'temporary lighting installations'.
- iii. Acknowledgement of the silicone foam gasket used between the frame and main housing.
- iv. The removal of the mounting bracket from the drawings.

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

- i. The introduction of a gasket fitted between the glass and rear enclosure.
- ii. The removal of the -20°C ambient temperature, all models will now be marked with -40°C as standard, the marking in Section 12 being amended accordingly.
- iii. The self adhesive label option was removed, only the existing alternative stainless steel option secured with two stainless steel rivets is now used.

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

- i. Modifications to the marking as follows:
  - dust type of protection is amended from "t" to "tb" to bring it in line with IEC 60079-0:2007 Ed 5;
  - notified body number becomes 0518;
  - manufacturer's name and address has been changed from Dialight Europe PLC, Exning Road, Newmarket, Suffolk, CB8 0AX, UK to Dialight Corporation, 1501 Route 34 South, Farmingdale New Jersey 07727, USA.

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



## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

**Sira 11ATEX1357  
Issue 4**

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

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

Issue	Date	Report number	Comment
0	9 February 2012	R25567A/00	The release of the prime certificate.
1	01 August 2012	R28036A/00	The introduction of Variation 1.
2	07 January 2014	R29155A/00	The introduction of Variation 2.
3	29 September 2014	R70010560A	The introduction of Variation 3.
4	14 November 2016	R70090513A	This Issue covers the following changes: <ul style="list-style-type: none"><li>• EC 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, EC 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 EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i></li><li>• The introduction of Variation 4.</li></ul>

#### 15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 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 MANUFACTURE

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

17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

17.3 Each enclosure marked for use at -40°C, shall be subjected to a routine overpressure test of 19.3 bar for at least 10 seconds as required by Clause 16.1 of EN 60079-1. There shall be no permanent deformation or damage to the enclosure.

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.

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

### Sira Certification Service

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

Tel: +44 (0) 1244 670900  
Fax: +44 (0) 1244 681330  
Email: [ukinfo@csagroup.org](mailto:ukinfo@csagroup.org)  
Web: [www.csagroupuk.org](http://www.csagroupuk.org)

# Certificate Annexe



**Certificate Number:** Sira 11ATEX1357  
**Equipment:** Safesite Series LED Area Light  
**Applicant:** Dialight Corporation

---

## Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
DLC001329	1 to 2	A	08 Feb 12	Safesite Series Led Area Light

## Issue 1

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Title
DLC001329	1 to 3	B	27 Jul 12	Safesite Series LED Area Light

## Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC001329	1 to 5	C	10 Dec 13	Safesite Series LED Area Light

## Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC001329	1 to 6	D	19 Sep 14	Safesite Series LED Area Light

## Issue 4

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
DLC0001329	1 to 6	F	25 Oct 16	Safesite Series LED Area Light

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

## Sira Certification Service

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

Tel: +44 (0) 1244 670900  
Fax: +44 (0) 1244 681330  
Email: [ukinfo@csagroup.org](mailto:ukinfo@csagroup.org)  
Web: [www.csagroupuk.org](http://www.csagroupuk.org)