



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

C Ellaby
Deputy Certification Manager

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SCHEDULE

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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.



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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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Certificate Annexe

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



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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