



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 11ATEX1357** 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 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 Article 9 of Directive 94/9/EC of 23 March 1994, 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 60079-31:2009

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 EC 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:

Either:  II 2 G D
Ex d IIC T4 Gb (Ta = -20°C to +65°C)
Ex d IIC T5 Gb (Ta = -20°C to +42°C)
Ex t IIIC T135°C Db IP 6X (Ta = -20°C to +65°C)
Ex t IIIC T100°C Db IP 6X (Ta = -20°C to +42°C)

Or:  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 t IIIC T135°C Db IP 6X (Ta = -40°C to +65°C)
Ex t IIIC T100°C Db IP 6X (Ta = -40°C to +42°C)

Project Number 25567

C Ellaby
Deputy Certification Manager

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

**Sira 11ATEX1357
Issue 0**

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.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	9 February 2012	R25567A/00	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE 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 CERTIFICATION

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

17.2 Holders of EC 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 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 IEC/EN 60079-1. There shall be no permanent deformation or damage to the enclosure.

Certificate Annexe

Certificate Number: Sira 11ATEX1357
Equipment: Safesite Series LED Area Light
Applicant: Dialight Europe PLC



Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
DLC001329	1 to 2	A	08 Feb 12	Safesite Series Led Area Light

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