IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx SIR 14.0042X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2014-09-11**	Page 1 of 4

Applicant: **Dialight Europe PLC**
Exning Road
Newmarket
Suffolk CB8 0AX
United Kingdom

Electrical Apparatus: **SafeSite Series LED Area Light**
Optional accessory:

Type of Protection: **Type 'n' and Dust by Enclosure**

Marking: Ex nA nC IIC T4 Gc
Ex tc IIIC T130°C Dc
Tamb = -40°C to +65°C

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Deputy Certification Manager

Signature:
(for printed version)

Date: 2014-09-11

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:
SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira CERTIFICATION

CSA Group

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Manufacturer: **Dialight Europe PLC**
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Additional Manufacturing location (s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-31 : 2013 Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
GB/SIR/ExTR14.0216/00

Quality Assessment Report:

GB/BAS/QAR10.0009/03

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

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.

CONDITIONS OF CERTIFICATION: YES as shown below:

The user/installer shall comply with the following:

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.
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.

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EQUIPMENT(continued):

Conditions of manufacture

The Manufacturer shall comply with the following:

1. Each Area Light shall be subjected to an electric strength test between the circuit and earth for 60 s in accordance with IEC 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.
2. 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.