1 # EU-TYPE EXAMINATION CERTIFICATE

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

3 EU-Type Examination Certificate Number: **Sira 17ATEX1174X** Issue: **2**

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

5 Manufacturer: **Dialight Corporation**

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

7 This product 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., Notified Body No. 2813 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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 item 16.2.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012/A11:2013 EN 60079-1:2014 EN 60079-7:2015 EN 60079-31:2014

Where additional criteria beyond those given here have been used, they are listed in item 18 in the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed in item 17 of this certificate.

11 This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance with the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product, these are not covered by this certificate.

12 The marking of the product shall include the following (additional marking is provided in the Schedule as a part of item 15, if applicable):

Standard model, with an integral connecting cable

II 2GD
Ex db IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -40°C to +65°C.

II 2GD
Ex db IIC T5 Gb
Ex tb IIIC T100°C Db
Ta = -40°C to +42°C.

Single Wirebox model

II 2GD
Ex db eb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -40°C to +65°C.

II 2GD
Ex db eb IIC T5 Gb
Ex tb IIIC T100°C Db
Ta = -40°C to +42°C.

Signed: M Halliwell
Title: Senior Director of Operations
Date 27 March 2026

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13 # SCHEDULE

14 **EU-Type Examination Certificate Number:** **Sira 17ATEX1174X** Issue: **2**

15 **Description:**

The Safesite series LED Area Light comprises a cast aluminium body and frame with a 12mm thick soda lime toughened glass window, the window being clamped between the frame and main body by sixteen, M8 X 30 mm, stainless steel button-head or cap-head type screws with a minimum property class A2-70.

Internal construction comprises a potted power supply, reflector and up to 207 LEDs dissipating a maximum 0.3 W each.

In the base of the enclosure there is a single entry; this is drilled to a maximum diameter of 26mm and is fitted with a suitably certified and dimensioned cable entry device, coded Ex db IIC Gb / Ex tb 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.

Alternatively, the light can be supplied with a component certified increased safety enclosure fitted with component certified increased safety terminals. This enclosure is mounted to the base of the light and is connected to the flameproof enclosure via an equipment certified line bushing.

The previously certified equipment and components are listed below:

Component / Equipment	ATEX Certificate
WEIDMULLER KILPPON SRS	IBExU12ATEX1145X
Weidmuller Interface GmbH & Co Terminal Strips	SIRA 01ATEX3249U
Wago Kontakttechnik GmbH & Co Terminals	PTB 03ATEX1189U
Quintex GmbH Line bushing.	EPS 11ATEX1342X
Hummel AG Stopping Plug	DMT 03ATEXE049

Model Type	Model Number
Standard Type:	AL*7**2******N or HZA**2N
Single Wirebox Type:	AL*7**2***J**N or HZJA**2N

Type designation key: AL*7**2******N	
1st Asterisk: Certificate;	A: IECEx / ATEX
	G: IECEx / ATEX / UL844
2st Asterisk: Reflector;	A: 180
	B: 360
	W: Wide
3nd Asterisk: CCT & CRI;	C: 5000K Ra 80
	N: 4000K Ra 80
	W: 2700K Ra 80
4rd Asterisk: Typical lumen output;	3: 2,1-3K
	4: 3,1-4K
	5: 4,1-5K
	6: 5,1-6K
	7: 6,1-7K
	9: 8,1-9K
5th Asterisk: Controls;	N: No Options
	D: Continuous dimming down to 5% (for future purposes)
6th Asterisk: Mounting;	B: SS 316 Locking Bracket 0-90 Degrees
	D: 25° Stanchion Mount (S25)

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Type designation key: AL*7**2******N	
	S: 45° Stanchion Mount (S45)
	U: Universal Mounting Adapter
	V: Standard Wall Mount (W01)
	W: 45° Wall Mount (W45)
	Y: Conveyor Mount (CV34)
7th Asterisk: Hardware/Cable Accessories;	J: Junction Box
	N: No Option
	T: 1.5′ (0.5 meter) Power Cable
	U: 3′ (1 meter) Power Cable
	V: 6′ (1.8 meter) Power Cable
	W: 10′ (3 meter) Power Cable
8th Asterisk: Electrical Accessories;	A: Armoured Cable and Cable Gland.
	N: No Option/Standard
	T: Weidmuller 5 Position Terminal Block
	U: Wago 5 Position Terminal Block
9th Asterisk: Coatings;	G: Gray (RAL 7040)
	K: ACP Black (RAL 9017)
	O: Orange (RAL 2001)
	W: White (RAL 9010)
	Y: Yellow (RAL 1018)
	Z: Bronze (RAL 7022)

Variation 1 - This variation introduced the following changes:

i. Add alternate material for lens ring and foam gasket.
ii. Alternate housing
iii. Alternate driver design
iv. Revise wording for label material
v. Revised drawing 8854HZA0001EX
vi. Alternate Junction box with existing approvals
vii. Alternate light engine
viii. Add HZA and HZJ Series model nomenclature. The same construction documented in this certificate is also in IECEx SIR 11.0156, under a different model scheme. This scheme is to be added to this report.
ix. Removal of op is based on IEC 60079-28:2015/ISH1:2019

16 Drawings and documents:

16.1 Technical documents:

Refer to Certificate Annex.

16.2 Associated reports and certificate history:

Issue	Date	Report number	Comment
0	27 October 2017	R70107140A	The release of the prime certificate.
1	15th October 2019	0722	Transfer of certificate Sira 17ATEX1174X from Sira Certification Service to CSA Group Netherlands B.V..
2	27 March 2026	R80218642A	The introduction of Variation 1.

17 **Specific conditions of use** (denoted by "X" after the certificate number):

17.1 When the equipment is coated with a paint finish, the enclosure is non-conducting and may generate an ignition capable level of electrostatic charge under certain extreme conditions. The user shall ensure that the equipment is not installed in a location where it might be subjected to external conditions that might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment shall be done only with a damp cloth.

17.2 External fasteners used for securing flameproof joints shall have a yield strength which is equal to or exceeding 450 N/mm^2.

17.3 When supplied with a component certified enclosure, the end user shall install a suitably certified gland with a seal or gasket, to maintain the IP rating of the equipment. The seal or gasket shall be suitable for a minimum service temperature range of -40°C to +78°C.

17.4 The equipment has flamepaths which differ from those in EN 60079-1 and are not intended for repair.

17.5 The equipment shall be installed such that the supply cable is protected from mechanical damage. The cable shall not be subjected to tension or torque. If the cable is to be terminated within an explosive atmosphere then the free end shall be terminated in a suitably certified termination facility.

18 **Essential health and safety requirements of Annex II** (EHSRs):

The relevant EHSRs that are not addressed by the standards listed in item 9 of this certificate have been identified and conformity of the product demonstrated in the reports listed in item 16.2.

19 **Remarks and additional information:**

The use of this certificate is subject to the regulations applicable to holders of CSA Group Netherlands B.V. certificates.

Compliance of the product with the applicable safety requirements of the relevant industrial standards has not been verified and is not covered by this certificate.

19.1 **Conditions of manufacture:**

19.1.1 Each enclosure shall be subjected to a routine overpressure test of 22.82 bar/331 psi 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.

19.1.2 When supplied with an Increased Safety enclosure, the manufacturer shall conduct a routine dielectric strength test of 1865V r.m.s between Live and Neutral and Live and Neutral to Earth for at least 100 ms, in accordance with clause 7.1 of EN 60079-7. There shall be no breakdown.

19.1.3 The equipment covered by this certificate incorporates 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 explosive safety design of their products.

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Certificate Annexe

Document History

Issue – 0

Documents Introduced or Revised

Drawing	Sheets	Rev.	Date (Stamp)	Title
8854HZA0001EX	1 of 6	14	10 Oct 17	Safesite Series LED Area Light

Issue – 1 – No drawings added.

Issue – 2

Documents Introduced or Revised

Drawing	Sheets	Rev.	Date (Stamp)	Title
8854-EAL-4001-Ex	1 to 9	A	23 Mar 26	EAL AREA LIGHT ZONE 1

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