



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX ETL 13.0017**

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Certificate history:

Status: **Current**

Issue No: 4

Issue 3 (2019-10-30)

Issue 2 (2017-03-31)

Issue 1 (2016-10-28)

Issue 0 (2013-09-20)

Date of Issue: 2021-11-29

Applicant: **Dialight Corporation**
1501 Route 34 South
Farmingdale
New Jersey 07727
United States of America

Equipment: **A family of LED Street Lights - Refer to Annex 1 for model nomenclature.**

Optional accessory:

Type of Protection: **Ex ec increased safety**

Marking: Ex ec IIC T3 Gc
Tamb -40C - +74C
IECEX CERT: IECEX ETL13.0017

Approved for issue on behalf of the IECEx
Certification Body:

Todd L. Relyea

Position:

Certification Officer

Signature:
(for printed version)

Date:

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America





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Manufacturer: **Dialight Corporation**
1501 Route 34 South
Farmingdale
New Jersey 07727
United States of America

Additional manufacturing locations: **Dialight de México S. de R.L. de C.V. Dialight Corporation Penang Sdn Bhd**
C. Lirios S/N, Col. Carlos Pacheco (Plant 1) No 1666, Lorong Perusahaan Maju 8
Ensenada 13600, Perai Pulau Pinang
Baja California 22830 **Malaysia**
Mexico

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[US/ETL/ExTR13.0017/00](#)
[US/ETL/ExTR13.0017/03](#)

[US/ETL/ExTR13.0017/01](#)
[US/ETL/ExTR13.0017/04](#)

[US/ETL/ExTR13.0017/02](#)

Quality Assessment Report:

[GB/SIR/QAR11.0014/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The StreetSENSE is an outdoor LED luminaire intended for roadway and area illumination. The luminaire is intended to be permanently connected to the electrical supply source and installed in a permanently fixed location.

The luminaire has a cast aluminium enclosure, with modular lighting units where either 1, 2 or 3 lighting modules are provided.

The equipment uses permanently connected wiring with no plugs, sockets or normally make/break electrical connections. The cable entry to the terminal chamber shall be sealed with an IECEx approved cable gland that is suitable for the cable type used so that the minimum ingress protection level of IP54 is maintained.

See Annex 1 for manufacturer's documentation and model nomenclature.

SPECIFIC CONDITIONS OF USE: NO



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Equipment (continued):

The StreetSENSE is an outdoor LED luminaire intended for roadway and area illumination. The luminaire is intended to be permanently connected to the electrical supply source and installed in a permanently fixed location.

The luminaire has a cast aluminium enclosure, with modular lighting units where either 1, 2 or 3 lighting modules are provided.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue: 04

1. Updating standard IEC 60079-0:2011 to IEC 60079-0:2017
2. Removed standard IEC 60079-15:2010
3. Added standard IEC 60079-7:2017
4. Change method of protection from Ex nA to Ex ec
5. Updated model nomenclature
6. Updated routine test to reference IEC 60079-7:2017 requirements
7. Updated Drawing 9100-HSL-0002-00 from Revision Level F to G and Revision Date from 1/28/21 to 10/28/21
8. Updated Drawing 9100127149899 from Revision Level D to E and Revision Date from December 2015 to October 2021



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Additional information:

A dielectric withstand test as per Section 7.1 of IEC 60079-7 Ed. 5.1 b:2017 is to be conducted on each completed unit. The test voltage is to be: $(2 U + 1\,000\text{ V})$ rms, or 1 500 V rms, whichever is the greater.

Annex:

[SFT-IECEx-OP-19f - Annex for IECEx Certificate of Conformity - Final Clean \(6\).pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEx ETL 13.0017	Issue No. 4
Annex No. 2		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
STREETLIGHT SERIES	SLAxxxx	C	12-21-18
*PRODUCT ID LABEL	9100-HSL-0002-00	G	10/28/21
*HAZARDOUS LOCATION STREET LIGHT "SLA" SERIES INSTALLATION INSTRUCTIONS	9100127149899	E	October 2021

Note: An * is included before the title of documents that are new or revised.

Certificate issued by:

intertek
Total Quality. Assured.

Intertek Testing Services NA, Inc.
3933 US Route 11 South
Cortland, NY 13045 USA

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SFT-IECEx-OP-19f (26 October 2018)



Annex to IECEx Certificate of Conformity

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Annex No. 2		

General Product Information:

The StreetSENSE is an outdoor LED luminaire intended for roadway and area illumination. The luminaire is intended to be permanently connected to the electrical supply source and installed in a permanently fixed location.

The luminaire has a cast aluminium enclosure, with modular lighting units where either 1, 2 or 3 lighting modules are provided.

The equipment uses permanently connected wiring with no plugs, sockets or normally make/break electrical connections. The cable entry to the terminal chamber shall be sealed with an IECEx approved cable gland that is suitable for the cable type used so that the minimum ingress protection level of IP54 is maintained.

The model number for the equipment follows the nomenclature below:

LEGACY === PART NUMBER STRUTCURE

1

3

5

7

S

L

A

3

N

4

H

G

2

4

6

8

1-2-3

4

5

6

7

8

SERIES

LIGHT PATTERN

LED COLOR

VOLTAGE /SURGE

WATTAGE

CASTING COLOR

UNIVERSAL === PART NUMBER STRUTCURE

1

3

5

7

9

11

13

S

L

B

7

3

C

4

6

N

N

N

N

G

N

2

4

6

8

10

12

14

1-2

3

4

5

6

7

8

9

10

11

12

13

14

SERIES

B = HAZ.LOC.

LENS

LIGHT PATTERN

LED COLOR

VOLTAGE /SURGE

LUMENS

N = NO OPTION

N = NO OPTION

N = NO OPTION

N = NO OPTION

N = NO OPTION

N = NO OPTION

Ratings:

LEGACY PART NUMBER STRUCTURE

#1	#2
S	L
A	3
N	4
H	G
#3	#4

UNIVERSAL PART NUMBER STRUCTURE

#3	#4
S	L
B	7
3	C
4	6
N	N
N	N
N	G
N	N
#1	#2

CODE #	PRINT	LEGACY CODE #	UNIVERSAL CODE #	PRINT
# 1 COLOR TEMP		# 2 WATTAGE		
C	CW			
D	CW	B	---	43 W
N	WW	C	5	65 W
W	WW	D	6	83 W
		H	A	10 - 11K
		I	B	12 - 15K
		R	C	16 - 18K
		S	D	19 - 22K
		Z	---	83 W
# 3 ILLUMINATION TYPE		# 4 VOLTAGE		
2	T2	4		100 - 277 VAC 50/60 Hz
3	T3	5		100 - 277 VAC 50/60 Hz
4	T4	7		347 - 480 VAC 50/60 Hz
5	T5			

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