

TYPE-EXAMINATION CERTIFICATE

1. Type-examination Certificate (Module A)
2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)



3. Type examination certificate Nr **ITS 13 ATEX 47874 R.2**

4. **Product:** LED Luminaire (StreetSENSE Models)

5. **Manufacturer:** Dialight Corporation

Applicant: Dialight Corporation

6. **Address:** 1501 Route 34 South
Farmingdale, New Jersey 07727
United States of America

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7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.
8. INTERTEK ITALIA S.p.A., certifies that the equipment or protective system has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 100941610CRT-009b through 100941610CRT-009f, dated September 19th, 2013 and Intertek Report 102965295CRT-002b dated March 31, 2017 and 104114090CRT-002a Dated: 25-October-2019 and 104755758CRT-002 Dated: 13 August 2021.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018 and EN IEC 60079-7:2015/A1:2018... except in respect of those requirements referred to at item 16 of the Schedule
10. If the sign X is placed after the certificate number, it indicates that the product 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 and construction of the specified product. 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:



II 3 G
Ex ec IIC T3 Gc
Tamb: -40°C ≤ Ta ≤ +74°C

14 January 2022

Certificate issue date



Todd L. Relyea
Certification Officer/Manager ATEX
Intertek Italia S.p.A.

This certificate has been issued by Intertek Italia S.p.A. on transfer from Intertek Testing & Certification Ltd. using the same issued original certificate number.



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy

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SCHEDULE

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13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

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.

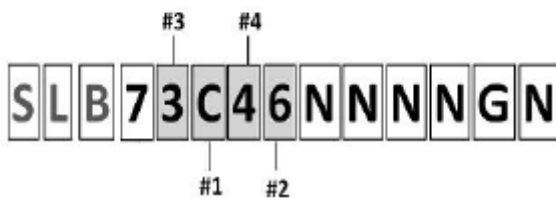
The equipment uses permanently connected wiring with no plugs, sockets or normally make/break electrical connections. The cable entry to the terminal chamber shall be sealed with an ATEX approved cable gland that is suitable for the cable type used so that the minimum ingress protection level of IP54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

The model number for the equipment follows the nomenclature below:

LEGACY PART NUMBER STRUCTURE



UNIVERSAL PART NUMBER STRUCTURE



CODE ‡	PRINT	LEGACY CODE #	UNIVERSAL CODE ‡	PRINT
# 1 COLOR TEMP		# 2 WATTAGE		
			LUMENS	
C	CW	B	---	43 W
D	CW	C	5	6-7K
N	WW	D	6	7-8K
W	WW	H	A	12-13K
		I	B	15-16K
		R	C	18-19K
		S	D	20-23K
		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			

Production Sites:



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1. Dialight de México S. de R.L. de C.V. - C. Lirios S/N, Col. Carlos Pacheco, Ensenada, Baja California 22830, México.
2. Dialight Corporation Penang Sdn Bhd - No 1666, Lorong Perusahaan Maju 8, 13600, Perai Pulau Pinang, Malaysia.

14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	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.*

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.

15. SPECIAL CONDITIONS FOR SAFE USE

None

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 100941610CRT-009b through 100941610CRT-009f, dated September 19th, 2013 and Intertek Report 102965295CRT-002b dated March 31, 2017 and 104114090CRT-002a Dated: 25-October-2019 and 104755758CRT-002.

17. ROUTINE (FACTORY) TESTS

A dielectric withstand test as per Clause 7.1 of EN 60079-7: 2015+A1:2018 is to be conducted on each completed unit. The test voltage is to be:

- I. Mains to earth: (2 U + 1 000 V) rms, or 1 500 V rms, whichever is the greater.
- II. Secondary to earth: 500Vrms



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18. DETAIL OF CERTIFICATE CHANGES

R.1 (07-02-2020):

1. Update Manufacturer Locations (Revised Entered Above)
2. Update Model Number Sequence By Adding New Universal Sequence (See General product information Above)

R.2 (14 January 2022)

1. Updating standard EN 60079-0:2012/A11:2013 to EN IEC 60079-0:2018
2. Removing standard EN 60079-15:2010
3. Adding standard EN IEC 60079-7:2015/A1:2018
4. Change method of protection from Ex nA to Ex ec
5. Updated model nomenclature
6. Updated Drawing 9100-HSL-0002-00 from Revision Level F to G and Revision Date from 1/28/21 to 10/28/21.
7. Updated Drawing 9100127149899 from Revision Level D to E and Revision Date from December 2015 to October 2021.
8. Updated Routine Tests to reference Clause 7.1 of EN 60079-7: 2015+A1:2018