



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 CML 16.0044X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 6 [Issue 5 \(2019-07-23\)](#)
Date of Issue: 2020-10-02 [Issue 4 \(2019-02-19\)](#)
[Issue 3 \(2018-10-30\)](#)
[Issue 2 \(2018-09-06\)](#)
[Issue 1 \(2017-06-19\)](#)
[Issue 0 \(2016-07-21\)](#)
Applicant: **Chalmit Lighting (Hubbell Ltd)**
388 Hillington Road, Glasgow, G52 4BL
United Kingdom
Equipment: **Sterling II & III LED**
Optional accessory:
Type of Protection: **Increased Safety "ec", Dust Ignition "tc"**
Marking: ST2N:
Ex ec IIC T4 Gc
Ex tc IIIC T66°C Dc IP64
Ex tc IIIC T68°C Dc IP64 (Emergency version only)
Ta = -20°C to +45°C
ST3N:
Ex ec IIC T4 Gc
Ex tc IIIC T76°C Dc IP64
Ta = -20°C to +40/45°C/+50°C/+55°C

Approved for issue on behalf of the IECEx
Certification Body:

R C Marshall

Position:

Operations Manager

Signature:
(for printed version)

Date:

2020-10-02

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:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Manufacturer: **Hubbell Ltd T/A Chalmit Lighting**
388 Hillington Road, Glasgow, G52 4BL
United Kingdom

Additional
manufacturing
locations:

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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:

[GB/CML/ExTR16.0054/00](#)
[GB/CML/ExTR19.0008/00](#)

[GB/CML/ExTR18.0170/00](#)
[GB/CML/ExTR19.0138/00](#)

[GB/CML/ExTR18.0248/00](#)
[GB/CML/ExTR20.0199/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0027/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Sterling II & III LED are surface mounting luminaires that is constructed from a GRP or stainless-steel body and polycarbonate diffuser that house LEDs and an LED driver. There is also an option for a surge protector and an emergency version that includes a battery pack, a diffuser, an alternate driver that handles the battery management and a status LED. There is also an option for a health monitoring system.

Refer to Annex for full description and conditions of manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Annex for specific conditions of use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduced the following changes:

1. Permit the addition of an emergency version with optional internal diffuser.

Issue 2

This issue introduced the following changes:

1. Re-assessed to EN 60079-7:2015 and Ex code updated from Ex nA to Ex ec.
2. Amendment of the existing conditions for the assessment to EN 60079-7:2015.
3. To permit additional models under the Sterling III range (ST3N).

Issue 3

This issue introduced the following changes:

1. To permit the addition of the ST3N/09L/LE model to the LED luminaire range, the description has been updated in accordance with this modification and to show details of previous variations.

Issue 4

This issue introduced the following changes:

1. To permit the use of an alternative emergency driver. The product description has been amended to include the model numbers of the luminaires incorporating this alternative driver.

Issue 5

This issue introduced the following changes:

1. To permit the use of alternative drivers for dimming, the description has been updated to reflect this option.

Issue 6

This issue introduced the following changes:

1. The introduction of a monitoring module.
2. The introduction of an alternative Inverter.
3. The removal of IEC 60079-28 from the listed standards.

Annex:

[IECEx CML 16.0044X Iss. 6 Certificate Annex.pdf](#)

Annexe to: IECEx CML 16.0044X Issue 6
Applicant: Chalmit Lighting (Hubbell Ltd)
Apparatus: Sterling II & III LED



Product Description

The Sterling II & III LED are surface mounting luminaires that is constructed from a GRP or stainless-steel body and polycarbonate diffuser that house LEDs and an LED driver. There is also an option for a dimmable driver, surge protector and an emergency version (EM) that includes a battery pack, a diffuser, an alternate driver that handles the battery management and a status LED. There is also an option for a health monitoring system

Model	Lumens	Dimensions	Ambient
ST2N/03/LE/	3000	702 x 172 x 112 mm	-20°C to +45°C
ST2N/06L/LE/	6000	1312 x 172 x 112 mm	-20°C to +45°C
ST2N/09L/LE/	9000	1312 x 172 x 112 mm	-20°C to +45°C
ST2N/03/LE/EM	3000	702 x 172 x 112 mm	-20°C to +45°C
ST2N/06L/LE/EM	6000	1312 x 172 x 112 mm	-20°C to +45°C
ST2N/09L/LE/EM	9000	1312 x 172 x 112 mm	-20°C to +45°C
ST3N/03L/LE/	3000	702 x 172 x 112 mm	-20°C to +55°C
ST3N/06L/LE/	6000	1312 x 172 x 112 mm	-20°C to +50°C
ST3N/09L/LE/	9000	1312 x 172 x 112 mm	-20°C to +45°C
ST3N/03/LE/EM	3000	702 x 172 x 112 mm	-20°C to +45°C
ST3N/06L/LE/EM	6000	1312 x 172 x 112 mm	-20°C to +45°C
ST3N/09L/LE/EM	9000	1312 x 172 x 112 mm	-20°C to +45°C
ST3N/03/LE/JSVS	3000	702 x 172 x 112 mm	-15°C to +45°C
ST3N/06L/LE/JSVS	6000	1312 x 172 x 112 mm	-15°C to +45°C
ST3N/09L/LE/JSVS	9000	1312 x 172 x 112 mm	-15°C to +40°C
ST3N/03/LE/JSVT	3000	702 x 172 x 112 mm	-15°C to +45°C
ST3N/06L/LE/JSVT	6000	1312 x 172 x 112 mm	-15°C to +45°C
ST3N/09L/LE/JSVT	9000	1312 x 172 x 112 mm	-15°C to +40°C

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Conditions of Manufacture

The following are conditions of Manufacture:

- i. Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. Each unit manufactured shall be subjected to an electric strength test in accordance with IEC 60079-7 Clause 7.1 of 1500 Vac.

Specific Conditions of Use/Special Conditions for Safe Use

The following are Conditions of Safe Use/Installation:

- i. The Luminaire shall only be installed where there is a low risk of mechanical damage.
- ii. When refitting the diffuser, the fixing clamps shall be re-secured with the original or replacement self-tapping screws.
- iii. Fasteners through the enclosure used for mounting purpose shall be fitted with appropriate sealing washers to maintain the ingress protection rating of the enclosure.
- iv. The optional surge protector when fitted to the Sterling II LED, negates the dielectric strength test of IEC 60079-7 Clause 7.1, this shall be considered during installation.
- v. Connections to the terminals must not be made if the ambient temperature exceeds -10°C to +80°C.