



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 16.0108X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2023-02-24\)](#)
Date of Issue: 2024-04-25 [Issue 1 \(2017-09-22\)](#)
[Issue 0 \(2017-03-28\)](#)
Applicant: **Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar**
Ashton Road
Bredbury Park Industrial Estate
Bredbury
Stockport SK6 2QN
United Kingdom
Equipment: **Curie LED**
Optional accessory:
Type of Protection: **Flameproof "db", Increased Safety "eb", Encapsulation "mb", Powder Filling "qb", Dust Ignition Protection "tb"**
Marking: Ex eb mb qb IIC T4 Gb
Ex db eb mb qb IIC T4 Gb
Ex tb III C T95°C Db IP65
Ta = -20°C to +55°C Uninsulated
Ta = -20°C to +45°C Insulated

Approved for issue on behalf of the IECEx
Certification Body:

L A Brisk

Position:

Assistant Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

25 Apr 2024

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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Manufacturing locations: **Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar**
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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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-5:2015](#) Explosive atmospheres -Part 5: Equipment protection by powder filling "q"
Edition:4.0

[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:

[GB/CML/ExTR16.0147/00](#)
[GB/CML/ExTR24.0070/00](#)

[GB/CML/ExTR17.0179/00](#)

[GB/CML/ExTR23.0049/00](#)

Quality Assessment Report:

[GB/SGS/QAR24.0002/00](#)



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Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Curie LED is comprised of 6 LED strips that are encapsulated, a powder filled driver, a flameproof switch (when fitted) and are all component approved. There is also an optional battery pack for emergency use. These parts are all contained within an increased safety enclosure.

The increased safety enclosure is manufactured from steel and has a polycarbonate diffuser. It is intended to be ceiling mounted and entry is via plain holes using appropriately approved glands.

See Annex for full description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

See Annex for Specific Conditions of Use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduces the following changes:

1. To permit the addition of an optional, secondary stainless-steel cover.

Issue 2

This issue introduces the following changes:

1. To permit the use of alternative cells
2. To update standards to the latest harmonized version: IEC 60079-0, IEC 60079-7 and IEC 60079-18
3. The removal of "op is" from the coding and removal of IEC 60079-28 from the certificate, as the equipment no longer falls within its scope.
4. Update to IECEx Applicant and Manufacturer Name

Issue 3

This issue introduces the following change:

1. To recognize a change to the applicant's and manufacturer's name and address.

Annex:

[Certificate Annex IECEx CML 16.0108X, Issue 3_1.pdf](#)

Annexe to: IECEx CML 16.0108X Issue 3
Applicant: Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar
Apparatus: Curie LED

Description

The Curie LED Luminaire comprises 6 LED strips that are encapsulated, a powder filled driver, a flameproof switch (when fitted) and are all component approved. There is also an optional battery pack for emergency use. The parts are all contained within an increased safety enclosure. The increased safety enclosure is manufactured from steel and has a polycarbonate diffuser. It is intended to be ceiling mounted and entry is via plain holes using appropriately approved glands.

There are 4 variants as per the table below:

Model No	Supply voltage	Emergency duration
CUEE/03L/LE	220-254 Vac 50/60 Hz	--
CUEE/03L/LE/EM	220-254 Vac 50/60 Hz	90 MINS MIN @ 3.25 A or 3 HRS MIN @ 1.75 A
CUEE/03L/LE/120	110-130 Vac 50/60 Hz	90 MINS MIN @ 3.25 A or 3 HRS MIN @ 1.75 A
CUEE/03L/LE/EM/120	110-130 Vac 50/60 Hz	--

Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components, the manufacturer of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.
- ii. Each luminaire shall be subjected to a dielectric strength test as per EN 60079-7 clause 7.1 of 1,500V r.m.s.

Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. Connections to the terminals must not be made if the ambient temperature exceeds -10°C to +80°C.

