



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx CML 16.0108X

Issue No: 1

Certificate history:

Issue No. 1 (2017-09-22)

Issue No. 0 (2017-03-28)

Status: **Current**

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Date of Issue: **2017-09-22**

Applicant: **Chalmit Lighting (Hubbell Ltd)**  
388 Hillington Road  
Glasgow  
G52 4BL  
United Kingdom

Equipment: **Curie LED**

Optional accessory:

Type of Protection: **Ex d e q t o p i s m**

Marking:

Ex eb mb op is qb IIC T4 Gb  
Ex db eb mb op is 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:

H M Amos MIET

Position:

Technical Manager

Signature:  
(for printed version)

Date:

September 22, 2017

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Certification Management 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 location(s):

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 electrical apparatus 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-18 : 2014</b> Edition:4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
<b>IEC 60079-28 : 2015</b> Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-5 : 2015</b> Edition:4.0	Explosive atmospheres –Part 5: Equipment protection by powder filling "q"
<b>IEC 60079-7 : 2015</b> Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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 Report:

[GB/CML/ExTR16.0147/00](#)      [GB/CML/ExTR17.0179/00](#)

#### Quality Assessment Report:

[GB/BAS/QAR06.0027/06](#)



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## Schedule

### 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.

Refer to annex for complete description

### SPECIFIC CONDITIONS OF USE: YES as shown below:

1.	Connections to the terminals must not be made if the ambient temperature exceeds -10°C to +80°C.
2.	The Ex q driver, Ex mb LED strips, as well as the flameproof isolator and battery inverter/charger (when fitted) are separately certified modules and must not be opened or repaired without returning it to the manufacturer.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

**Issue 1**

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

**Annex:**

[Annex IECEx CML 16.0108X Issue 1 .pdf](#)

**Annexe to:** IECEx CML 16.0108X Issue 1  
**Applicant:** Chalmit Lighting (Hubbell Ltd)  
**Apparatus:** Curie LED



## Description

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

There are 4 variants as per the table below:

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

## Conditions of Manufacturer

The following are conditions of manufacture:

1. Where the product incorporates certified components and/or equipment the manufacturer shall ensure that any changes to those components do not affect the compliance of the certified product that is the subject of this certificate.
2. Each luminaire shall be subjected to a dielectric strength test as per IEC 60079-7 clause 7.1 of 1500V r.m.s.

## Conditions of Certification

1. Connections to the terminals must not be made if the ambient temperature exceeds -10°C to +80°C.
2. The Ex q driver is sealed and must not be opened without returning it to the manufacturer

