

UK Type Examination Certificate CML 21UKEX1499X Issue 2

United Kingdom Conformity Assessment

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Curie LED Luminaire**
- 3 Manufacturer **Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar**
- 4 Address **Ashton Road
Bredbury Park Industrial Estate
Bredbury
Stockport SK6 2QN**


- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.

- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-5:2015
EN IEC 60079-7:2015+A1:2018 EN IEC 60079-18:2015+A1:2017 EN 60079-31:2014

- 10 The equipment shall be marked with the following:

 II 2 G D

Ex eb mb q IIC T4 Gb
Ex db eb mb q IIC T4 Gb
Ex tb IIIC T95°C Db IP65

Ta = -20°C to +55°C (Uninsulated)
Ta = -20°C to +45°C (Insulated)





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11 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	--

Variation 1

This variation introduced the following modifications:

- i. Assessment of Sealed Ni-Dc rechargeable batteries
- ii. To update standards to the latest harmonized version: EN IEC 60079-0: 2018, EN IEC 60079-7:2015+A1:2018 and EN IEC 60079-18:2015+A1:2017
- iii. The removal of "op is" from the coding and removal of EN 60079-28 from the certificate, as the equipment no longer falls within its scope.

Variation 2

This variation introduced the following modification:

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

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	25 June 2021	R14157D/00	Issue of the prime certificate. CML 16ATEX3335X, Issue 2 is attached and shall be referred to in conjunction with this certificate.
1	24 Feb 2023	R16027A/00	Introduction of Variation 1.
2	25 Apr 2024	R17491A/00	Introduction of Variation 2.

Note: Drawings that describe the equipment are listed in the Annex.



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13 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.

14 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.
- ii. The Ex q driver is sealed and must not be opened without returning it to the manufacturer.

Certificate Annex

Certificate Number CML 21UKEX1499X
Equipment Curie LED Luminaire
Manufacturer Hubbell Limited t/a Hawke International; GAI-Tronics;
Chalmit Lighting, Victor Lighting and Transtar



The following documents describe the equipment defined in this certificate:

Issue 0

For drawings describing the equipment, refer to attached certificate CML 16ATEX3335X , Issue 2. In addition to the drawings listed on CML 16ATEX3335X , Issue 2. the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
H054686	1 of 1	0	25 June 2021	Curie LED Certified Nameplate

Issue 1

Drawing No	Sheets	Rev	Approved date	Title
H036847	1 to 4	1	22 Feb 2023	CURIE LED CERTIFICATION DRAWING
H054686	1 of 1	1	22 Feb 2023	CERTIFIED CURIE LED NAMEPLATE

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None.