



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 17.0026X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 4 [Issue 3 \(2021-02-18\)](#)
Date of Issue: 2024-04-17 [Issue 2 \(2018-06-15\)](#)
[Issue 1 \(2017-11-08\)](#)
[Issue 0 \(2017-10-05\)](#)
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: **ARRAN H/O (LED FLOODLIGHT)**
Optional accessory:
Type of Protection: **Increased Safety Ex "ec", Dust Ignition Ex "tc"**
Marking: Ex ec IIC T4 Gc
Ex tc III C T135°C Dc
Ta = -50°C to +40°C / +55°C

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)

17 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





IECEX Certificate of Conformity

Certificate No.: **IECEX CML 17.0026X**

Page 2 of 4

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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 60079-0:2011](#) 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/ExTR16.0087/00](#)
[GB/CML/ExTR21.0022/00](#)

[GB/CML/ExTR17.0205/00](#)
[GB/CML/ExTR24.0070/00](#)

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

Quality Assessment Report:

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



IECEX Certificate of Conformity

Certificate No.: **IECEX CML 17.0026X**

Page 3 of 4

Date of issue: 2024-04-17

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The ARRAN H/O (LED FLOODLIGHT) is an LED based luminaire. It is comprised of an aluminium chassis onto which two arrangements of PCB mounted LEDs are attached.

Each of the two LED arrangements is covered by a frame and glass. An aluminium enclosure is mounted onto the back of the chassis and houses the two LED drivers, terminals and optional surge protector. Entry into the enclosure is via appropriately approved cable glands (M20x1.5).

See Annex for full description and conditions of manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

See Annex for specific conditions of use.



IECEX Certificate of Conformity

Certificate No.: **IECEX CML 17.0026X**

Page 4 of 4

Date of issue: 2024-04-17

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduced the following change:

1. Minor correction to equipment name

Issue 2

This issue introduced the following change:

1. To permit the use of an additional LED type.

Issue 3

This issue introduced the following changes:

1. To permit the use of an alternative LED Driver.
2. Change to Chalmit model numbers. The description has been updated accordingly.

Issue 4

This issue introduced the following changes:

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

Annex:

[Certificate Annex IECEx CML 17.0026X, Issue 4.pdf](#)

Annexe to: IECEx CML 17.0026X Issue 4
Applicant: Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar
Apparatus: ARRAN H/O (LED FLOODLIGHT)

Description

The ARRAN H/O (LED Floodlight) is an LED based luminaire. It is comprised of an aluminium chassis onto which two arrangements of PCB mounted LEDs are attached.

Each of the two LED arrangements is covered by a frame and glass. An aluminium enclosure is mounted onto the back of the chassis and houses the two LED drivers, terminals and optional surge protector. Entry into the enclosure is via appropriately approved cable glands (M20x1.5).

Model numbers are as follows:

CHALMIT MODEL No	Power (W)	Voltage (V)	Current (A)
ARHN**L/LE/*	390	120-277 Vac 140-273 Vdc	4.0 - 1.4
ARHN/**L/LE/*	265	120-277 Vac 140-273 Vdc	2.7 - 1.0
ARHN/**L/LE/*	172	120-277 Vac 140-273 Vdc	1.8- 0.7

*Options of M25 Entries

**Lumens (x1000) up to a maximum of 46

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.



Certificate Annex IECEx
Version: 9.0 Approval: Approved

Eurofins E&E CML Limited
Newport Business Park
New Port Road
Ellesmere Port
CH65 4LZ

T +44 (0) 151 559 1160
E info@cmlex.com

www.cmlex.com

Company Reg No. 8554022 VAT No. GB163023642



Specific Conditions of Use

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

- i. Due to internal transient protection devices, the luminaires do not meet die-electric strength test requirements specified by IEC 60079-7 Clause 6.1 this shall be considered during installation.
- ii. Connections to the field terminals shall not be performed outside a temperature of -10°C to $+80^{\circ}\text{C}$.