



# 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](http://www.iecex.com)

Certificate No.: **IECEx CML 17.0026X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 3 [Issue 2 \(2018-06-15\)](#)  
Date of Issue: 2021-02-18 [Issue 1 \(2017-11-08\)](#)  
[Issue 0 \(2017-10-05\)](#)  
Applicant: **Hubbell Ltd T/As Chalmit Lighting**  
388 Hillington Road  
Glasgow  
G52 4BL  
United Kingdom  
Equipment: **ARRAN H/O (LED FLOODLIGHT)**  
Optional accessory:  
Type of Protection: **Increased Safety "ec", Dust Ignition "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:

**R C Marshall**

Position:

**Operations Manager**

Signature:  
(for printed version)

Date:

2021-02-08

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](http://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/As 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/ExTR16.0087/00](#)  
[GB/CML/ExTR21.0022/00](#)

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

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

Quality Assessment Report:

[GB/BAS/QAR06.0027/09](#)



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**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).

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 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.

### Annex:

[IECEx CML 17.0026X Iss. 3 Certificate Annex.pdf](#)

**Annex to:** IECEx CML 17.0026X Iss. 3  
**Applicant:** Hubbell Ltd T/As Chalmit Lighting  
**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)
ARRHN**L/LE/*	390	120-277 Vac 140-273 Vdc	4.0 - 1.4
ARRHN**L/LE/*	265	120-277 Vac 140-273 Vdc	2.7 - 1.0
ARRHN**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 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.

## 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°C.

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