

Type Examination Certificate CML 21UKEX3504X Issue 1**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended)
- 2 Equipment **ARRAN H/O (LED FLOODLIGHT)**
- 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, 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 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 60079-0:2012+A11:2013 EN IEC 60079-7:2015+A11:2018 EN 60079-31:2014

10 The equipment shall be marked with the following:

 II 3 G D

Ex ec IIC T4 Gc

Ex tc IIIC T135°C Dc

Ta = -50°C to 40°C/+55°C





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11 Description

The ARRAN H/O (LED FLOODLIGHT) is an LED based luminaire. It comprises 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 (M20 x 1.5).

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

Variation 1

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	R14157I/00	Issue of Prime Certificate. CML 17ATEX4044X, Issue 4 is attached and shall be referred to in conjunction with this certificate.
1	17 Apr 2024	R17491A/00	Introduction of Variation 1

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

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.



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14 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 EN 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.

Certificate Annex

Certificate Number CML 21UKEX3504X
Equipment ARRAN H/O (LED FLOODLIGHT)
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

Drawing No	Sheets	Rev	Approved date	Title
H054684	1 of 1	0	25 June 2021	Certified Arran H/O Nameplate

Issue 1

None.