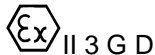




Type Examination Certificate **CML 17ATEX4044X Issue 5**

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 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 CML B.V., Chamber of Commerce No 67386717, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, 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 Annex II of Directive 2014/34/EU.
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 conditions of safe 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 or component. Further requirements of Directive 2014/34/EU Annex VIII apply to the manufacture of the equipment or component and are separately certified.
- 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 60079-7:2015 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



CML 17ATEX4044X
Issue 5

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 introduces the following modification:

- i Minor correction to equipment name

Variation 2

This variation introduces the following modification:

- i To permit the use of an additional LED type.

Variation 3

This variation introduces the following modification:

- i The transfer of the certificate from CML UK to CML B.V.

Variation 4

This variation introduces the following modifications:

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

Variation 5

This variation introduces the following modification:

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



CML 17ATEX4044X
Issue 5

12 Certificate history and evaluation reports

| Issue | Date | Associated report | Notes |
|-------|-------------|-------------------|-----------------------------|
| 0 | 05 Nov 2017 | R1280A/00 | Issue of Prime Certificate |
| 1 | 08 Nov 2017 | R11438A/00 | Introduction of Variation 1 |
| 2 | 15 Jun 2018 | R11810A/00 | Introduction of Variation 2 |
| 3 | 10 Apr 2019 | R12332A/00 | Introduction of Variation 3 |
| 4 | 18 Feb 2021 | R13454A/00 | Introduction of Variation 4 |
| 5 | 17 Apr 2024 | R17491A/00 | Introduction of Variation 5 |

Note: Drawings that describe the equipment or component 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.

14 Specific Conditions of Use (Special Conditions)

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 17ATEX4044X
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 or component defined in this certificate:

Issue 0

| Drawing No | Sheets | Rev | Approved date | Title |
|------------|--------|-----|---------------|---|
| H033772 | 1 to 2 | 0 | 05 Nov 2017 | ARRAN HIGH OUTPUT FLOODLIGHT ATEX & IECEX CERTIFICATION DETAILS |
| 25070 | 1 of 1 | A | 05 Nov 2017 | PCB, THERMAL FOLDBACK |

Issue 1

| Drawing No | Sheets | Rev | Approved date | Title |
|------------|--------|-----|---------------|---|
| H033772 | 1 to 2 | 1 | 08 Nov 2017 | ARRAN HIGH OUTPUT FLOODLIGHT ATEX & IECEX CERTIFICATION DETAILS |

Issue 2

| Drawing No | Sheets | Rev | Approved date | Title |
|------------|--------|-----|---------------|---|
| H033772 | 1 to 2 | 2 | 15 Jun 2018 | ARRAN HIGH OUTPUT FLOODLIGHT ATEX & IECEX CERTIFICATION DETAILS |

Issue 3

None.

Issue 4

| Drawing No | Sheets | Rev | Approved date | Title |
|------------|--------|-----|---------------|---|
| H033772 | 1 of 2 | 3 | 18 Feb 2021 | ARRAN HIGH OUTPUT FLOODLIGHT ATEX & IECEX CERTIFICATION DETAILS |

Issue 5

None.