

UK Type Examination Certificate CML 21UKEX1503X Issue 3

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 **Acclaim 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 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 (No isolating switch)
Ex db eb mb q IIC T4 Gb (With isolating switch)
Ex tb IIIC T95°C Db IP65
Ta = -40°C to +45°C (Insulated)
Ta = -40°C to +55°C (Uninsulated)





CML 21UKEX1503X
Issue 3

11 Description

The Acclaim LED Luminaire comprises a steel increased safety enclosure with plastic diffuser that contains encapsulated LED strips and powder filled LED driver.

The emergency version contains a battery pack. The luminaire may optionally contain an isolation switch to de-energise it when the cover is removed, there are two switch options, one for -20°C and the other for -40°C.

There are two sizes of enclosure 775 x 315 x 162 mm and 1,390 x 315 x 162 mm that contain 2 x 600 mm LED strips or 2 x 1,200mm LED strips respectively.

Model Number	Light source	Voltage	Emergency Duration
AC**/02L/LE	2 x 600 mm LED STRIP	220-254 Vac 50/60 Hz	N/A
AC**/04L/LE	2 x 1,200 mm LED STRIP	220-254 Vac 50/60 Hz	N/A
AC**/02L/LE/120	2 x 600 mm LED STRIP	110-130 Vac 50/60 Hz	N/A
AC**/04L/LE/120	2 x 1,200 mm LED STRIP	110-130 Vac 50/60 Hz	N/A
AC**/02L/LE/EM	2 x 600 mm LED STRIP	220-254 Vac 50/60 Hz	90 MINS MIN @ 1.75 A or 3 HRS MIN @ 1 A
AC**/04L/LE/EM	2 x 1,200 mm LED STRIP	220-254 VAC 50/60 Hz	90 MINS MIN @ 3.25 A or 3 HRS MIN @ 1.75 A
AC**/02L/LE/EM/120	2 x 600 mm LED STRIP	110-130 Vac 50/60 Hz	90 MINS MIN @ 1.75 A or 3 HRS MIN @ 1 A
AC**/04L/LE/EM/120	2 x 1,200 mm LED STRIP	110-130 Vac 50/60 Hz	90 MINS MIN @ 3.25 A or 3 HRS MIN @ 1.75 A

Note 1: AC** relates to the gear tray arrangement (ACLE or ACRE)

Variation 1

This variation introduces the following modifications:

- i. Addition of alternative Acclaim gear tray.
- ii. 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.
- iii. Update to harmonised standards.

Variation 2

This variation introduces the following modification:

- i. Assessment of Sealed Ni-Dc rechargeable batteries.

Variation 3

This variation introduces the following modifications:

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



CML 21UKEX1503X
Issue 3

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	25 Jun 2021	R14157H/00	Issue of the prime certificate. CML 16ATEX3095X, Issue 1 is attached and shall be referred to in conjunction with this certificate.
1	20 Apr 2022	R14949A/00	Introduction of Variation 1.
2	24 Feb 2023	R16027A/00	Introduction of Variation 2.
3	25 Apr 2024	R17491A/00	Introduction of Variation 3.

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.
- ii. Each luminaire shall be subjected to a dielectric strength test as per EN 60079-7 clause 7.1 of 1,500 V r.m.s.
- iii. If the Bartec isolation switch, Type 07-1541 is fitted the lower ambient temperature shall be limited to -20°C.

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.

Certificate Annex

Certificate Number CML 21UKEX1503X
Equipment Acclaim 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 16ATEX3095X. In addition to the drawings listed on CML 16ATEX3095X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
H054711	1 of 1	0	25 June 2021	Acclaim LED Certified Nameplates

Issue 1

Drawing No	Sheets	Rev	Approved date	Title
H060284	1 to 2	0	20 Apr 2022	ACCLAIM EX e LED RETROFIT
H034896	1 to 5	1	20 Apr 2022	ACCLAIM EX e LED Cert Drawing

Issue 2

Drawing No	Sheets	Rev	Approved date	Title
H034896	1 to 5	2	22 Feb 2023	ACCLAIM Ex e LED CERT DRAWING
H054711	1 of 1	1	22 Feb 2023	ACCLAIM LED CERTIFIED NAMEPLATES

Issue 3

None.