



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 16.0043X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2023-02-24)
Date of Issue:	2024-04-25		Issue 1 (2022-04-20)
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:	Acclaim LED		
Optional accessory:			
Type of Protection:	Flameproof Ex "db", Increased Safety Ex "eb", Encapsulation Ex "mb", Powder Filling Ex "q", Dust Ignition Protection Ex "tb"		
Marking:	Ex eb mb q IIC T4 Gb (No isolating switch) Ex db eb mb q IIC T4 Gb (With isolating switch) Ex tb III C T95°C Db IP65 Tamb: -40°C to +45°C Insulated Tamb: -40°C to +55°C Uninsulated		

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)

25 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





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Date of issue: 2024-04-25

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Manufacturer: **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

Manufacturing locations: **Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar**
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Bredbury Park Industrial Estate
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Stockport SK6 2QN
United Kingdom

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-5:2015](#) Explosive atmospheres -Part 5: Equipment protection by powder filling "q"
Edition:4.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/ExTR16.0053/00](#)
[GB/CML/ExTR24.0070/00](#)

[GB/CML/ExTR22.0032/00](#)

[GB/CML/ExTR23.0048/00](#)

Quality Assessment Report:

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



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Date of issue: 2024-04-25

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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

Refer to Certificate Annex for full description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Certificate Annex for Conditions of Certification



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Date of issue: 2024-04-25

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduces the following changes:

1. Addition of alternative Acclaim gear tray.
2. The removal of "op is" from the coding and removal of IEC 60079-28 from the certificate, as the equipment no longer falls within its scope.
3. Update to harmonised standards.
4. Update Applicant Name.

Issue 2

This issue introduces the following changes:

1. To permit the use of alternative cells

Issue 3

This issue introduces the following changes:

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

Annex:

[Certificate Annex IECEx CML 16.0043X, Issue 3.pdf](#)

Annexe to: IECEx CML 16.0043X Issue 3
Applicant: Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar
Apparatus: Acclaim LED

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)



Certificate Annex IECEx
 Version: 9.0 Approval: Approved

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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.

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.

Components covered by Ex Certificates issued to older editions of Standards

None.