



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 22.0070X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2023-11-30\)](#)
[Issue 0 \(2022-10-28\)](#)
Date of Issue: 2024-04-25
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: **NeoX**
Optional accessory:
Type of Protection: **Flameproof Ex "d", Increased Safety Ex "e" and Dust Protection by Enclosure Ex "t"**
Marking: Ex db eb IIC T* Gb
Ex tb IIIC T76°C Db
Ta = -25/55°C to +55°C
* See product description for T class rating

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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Issue No: 2

Manufacturer: **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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Manufacturing locations: **Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar**
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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 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[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/ExTR22.0146/00](#)

[GB/CML/ExTR23.0226/00](#)

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

Quality Assessment Report:

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



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Date of issue: 2024-04-25

Issue No: 2

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Neo X is comprised of an aluminium enclosure which houses a flameproof driver and 15 flameproof 2x2 LED modules. There is also an optional emergency option which adds a battery stick and uses an additional flameproof enclosure for the emergency driver or there is factory fitted option with the same 3 cells which are fitted upon manufacturer and are non-replaceable.

Refer to Annex for full description.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Annex for specific conditions of use.



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Date of issue: 2024-04-25

Issue No: 2

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduced the following changes:

1. Update to the latest harmonized standards: IEC 60079-31:2022 Ed. 3.0.
2. To update the equipment marking to IIC from IIB+H₂.

Issue 2

This issue introduced the following change:

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

Annex:

[Certificate Annex IECEx CML 22.0070X, Issue 2.pdf](#)

Annexe to: IECEx CML 22.0070X Issue 2
Applicant: Hubbell Limited t/a Hawke International; GAI-Tronics; Chalmit Lighting, Victor Lighting and Transtar
Apparatus: Neo X

Description

The Neo X is comprised of an aluminium enclosure which houses a flameproof driver and 15 flameproof 2x2 LED modules. There is also an optional emergency option which adds a battery stick and uses an additional flameproof enclosure for the emergency driver or there is factory fitted option with the same 3 cells which are fitted upon manufacturer and are non-replaceable.

The battery stick is inserted into an opening on the luminaire and then a threaded plug that is mounted to it at one end is used as a stopping plug to seal the opening and provide the appropriate IP rating.

The flameproof 2x2 LED modules are equipment approved to IECEx CML 21.0127U, CML 21ATEX11128U and CML 21UKEX11129U.

The LED driver (all models) and Invertor (EM models only) are housed in a component certified flameproof enclosure under IECEx CML 20.0107U, CML 20ATEX1173U and CML 21UKEX1509U. The Battery Stick (EM models only) is component approved under IECEx CML 18.0169X, CML 18ATEX5360X and CML 21UKEX1508X.

The model numbers are as follows:

Chalmit Model Number	Power (W)	Current (A)	Volts	Hz	T Rating (Gas)	T Rating (Dust)	Ambient Range
NOXB/01L/LE/**	12	0.14-0.09	110-277 Vac 127-250 Vdc	50/60	T6	T76°C	-55°C to +55°C
NOXB/02L/LE/**	20	0.3 - 0.15	110-277 Vac 127-250 Vdc	50/60	T6	T76°C	-55°C to +55°C
NOXB/04L/LE/**	35.5	0.4 – 0.30	110-277 Vac 127-250 Vdc	50/60	T5	T76°C	-55°C to +55°C
NOXB/01L/LE/EM	14	0.14 – 0.073	220-240 Vac	50/60	T5	T76°C	-25°C to +55°C
NOXB/02L/LE/EM	20.6	0.36 – 0.16	220-240 Vac	50/60	T5	T76°C	-25°C to +55°C

Conditions of Manufacture

None.



Certificate Annex IECEx
 Version: 9.0 Approval: Approved

Eurofins E&E CML Limited
 Newport Business Park
 New Port Road
 Ellesmere Port
 CH65 4LZ

T +44 (0) 151 559 1160
 E info@cmlex.com

www.cmlex.com

Company Reg No. 8554022 VAT No. GB163023642



Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. Flameproof joints of battery stick connector (if fitted) and driver modules are not intended to be repaired.
- ii. When the battery stick assembly is removed from the Neo X enclosure, a replacement assembly shall be inserted immediately or a suitably approved stopping plug shall be put in its place in order to maintain the IP rating of the enclosure. Ensure no dust or debris can enter the entry.
- iii. Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces (e.g. steam generation, windblown dust, etc). In addition, the equipment shall only be cleaned with a damp cloth.

Components used which are covered by Ex Certificates issued to older editions of Standards

Certificate number	Standards (incl Ed)	Assessment result
IECEX CML 20.0107U IECEX CML 21.0127U	IEC 60079-0 Ed 6	No applicable technical differences Technical differences evaluated and found satisfactory. For detail see EXTR