



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 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2022-10-28		
Applicant:	Hubbell Ltd T/A Chalmit Lighting 388 Hillington Road Glasgow G52 4BL United Kingdom		
Equipment:	NeoX		
Optional accessory:			
Type of Protection:	Flameproof "db", Increased Safety "eb", Dust Ignition "tb"		
Marking:	Ex db eb IIB+H2 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:

R C Marshall

Position:

Operations Manager

Signature:
(for printed version)

Date:
(for printed version)

2022-10-28

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.

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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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Manufacturer: **Hubbell Ltd T/A Chalmit Lighting**
388 Hillington Road
Glasgow
G52 4BL
United Kingdom

Manufacturing locations: **Hubbell Ltd T/A Chalmit Lighting**
388 Hillington Road
Glasgow
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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 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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

[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 Report:

[GB/CML/ExTR22.0146/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0027/10](#)



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Certificate No.: **IECEx CML 22.0070X**

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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.

Annex:

[IECEx CML 22.0070X Iss. 0 Certificate Annex.pdf](#)

Annexe to: IECEx CML 22.0070X Issue 0
Applicant: Hubbell Ltd T/A Chalmit Lighting
Apparatus: NeoX

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

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Specific Conditions of Use

The following relate to the installation and/or safe use of the equipment/component:

- 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 covered by Ex Certificates issued to older editions of Standards

Certificate numbers	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