

UK Type Examination Certificate CML 22UKEX1474X Issue 0**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 **NeoX**
- 3 Manufacturer **Hubbell Ltd T/A Chalmit Lighting**
- 4 Address **388 Hillington Road,
Glasgow, G52 4BL,
United Kingdom**

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 43 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:

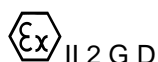
EN IEC 60079-0:2018

EN 60079-1:2014

EN IEC 60079-7:2015+A1:2018

EN 60079-31:2014

10 The equipment shall be marked with the following:



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





CML 22UKEX1474X
Issue 0

11 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 component approved to IECEx CML 21.0127U, CML 21ATEX11128U and CML 21UKEX11129U.

The LED driver (all models) and Inverter (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 | Ambient Range |
|----------------------|-----------|--------------|----------------------------|-------|----------|----------------|
| NOXB/01L/LE/** | 12 | 0.14- 0.09 | 110-277 Vac 127-250 Vdc | 50/60 | T6 | -55°C to +55°C |
| NOXB/02L/LE/** | 20 | 0.3 - 0.15 | 110-277 Vac 127-250 Vdc | 50/60 | T6 | -55°C to +55°C |
| NOXB/04L/LE/** | 35.5 | 0.4 – 0.30 | 110-277 Vac 127-250 Vdc | 50/60 | T5 | -55°C to +55°C |
| NOXB/01L/LE/EM | 14 | 0.14 – 0.073 | 220-240 Vac | 50/60 | T5 | -25°C to +55°C |
| NOXB/02L/LE/EM | 20.6 | 0.36 – 0.16 | 220-240 Vac | 50/60 | T5 | -25°C to +55°C |

12 Certificate history and evaluation reports

| Issue | Date | Associated report | Notes |
|-------|-------------|-------------------|-----------------------------------|
| 0 | 28 Oct 2022 | R14782A/00 | Introduction of Prime certificate |

Note: Drawings that describe the equipment are listed in the Annex.

13 Conditions of Manufacture

None.



CML 22UKEX1474X
Issue 0

14 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.

Certificate Annex

Certificate Number CML 22UKEX1474X
Equipment NeoX
Manufacturer Hubbell Ltd T/A Chalmit Lighting



The following documents describe the equipment defined in this certificate:

Issue 0

| Drawing No | Sheets | Rev | Approved date | Title |
|------------|--------|-----|---------------|----------------------------|
| H062159 | 1 to 3 | 0 | 28 Oct 2022 | NeoX Certification Drawing |