



## EU Type Examination Certificate CML 22ATEX1473X Issue 2

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **NeoX**
- 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 CML B.V., Chamber of Commerce No 67386717, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.  
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 conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 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:

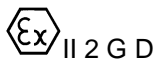
EN IEC 60079-0:2018

EN 60079-1:2014

EN IEC 60079-7:2015+A1:2018

**IEC 60079-31:2022**

- 10 The equipment shall be marked with the following:



II 2 G D

Ex db eb IIC T\* Gb

Ex tb IIIC T76°C Db

Ta= -25/55°C to +55°C





CML 22ATEX1473X  
Issue 2

## 11 Description

The NeoX 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 either 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 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 equipment 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

The screw that retains the pins in the flameproof connector is stainless steel grade A2



CML 22ATEX1473X  
Issue 2

### Variation 1

This variation assesses the following modifications:

- i. Update to the latest harmonized standards: IEC 60079-31:2022 Ed. 3.0.
- ii. To update the equipment marking to IIC from IIB+H<sub>2</sub>.

### Variation 2

This variation assesses the following modification:

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

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	28 Oct 2022	R14782A/00	Introduction of Prime certificate
1	30 Nov 2023	R16978A/00	Issue of variation 1
2	25 Apr 2024	R17491A/00	Issue of variation 2

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

## 13 Conditions of Manufacture

None.

## 14 Specific Conditions of Use (Special Conditions)

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 22ATEX1473X  
**Equipment** NeoX  
**Manufacturer** Hubbell Limited t/a Hawke International; GAI-Tronics;  
Chalmit Lighting, Victor Lighting and Transtar



The following documents describe the equipment or component defined in this certificate:

### Issue 0

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

### Issue 1

Drawing No	Sheets	Rev	Approved date	Title
H062159	1 to 3	1	30 Nov 2023	NeoX Certification Drawing ATEX and IECEX

### Issue 2

None.