



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 21.0008X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2021-01-28)

Status: **Current** Issue No: 1

Date of Issue: 2022-01-07

Applicant: **Chalmit Lighting (Hubbell Ltd)**
388 Hillington Road
Glasgow
G52 4BL
United Kingdom

Equipment: **Protecta III**

Optional accessory:

Type of Protection: **Increased Safety Ex "ec", Dust Protection Ex "tc"**

Marking: Ex ec IIC T4 Gc
Ex tc IIIC T75°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

S. Roubedakis

Position:

Technical Manager

Signature:
(for printed version)

Date:

2022-01-07

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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Certificate No.: **IECEX CML 21.0008X**

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Date of issue: 2022-01-07

Issue No: 1

Manufacturer: **Chalmit Lighting (Hubbell Ltd)**
388 Hillington Road
Glasgow
G52 4BL
United Kingdom

Additional
manufacturing
locations:

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 60079-31:2013](#) 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 Reports:

[GB/CML/ExTR21.0008/00](#)

[GB/CML/ExTR21.0255/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0027/09](#)



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Date of issue: 2022-01-07

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Protecta III LED is an Ex ec Luminaire which uses a reinforced Plastic body, a polycarbonate diffuser and silicone gaskets, the enclosures incorporate 4 x M20 entries. This enclosure houses a White coated Zintec tray, to which up to two Ex 'ec' Conformally coated LED strips are mounted (One on the 02L versions). A driver is mounted to the rear of the tray to power the LED strips. The fitting is available in 2ft and 4ft versions. The device may optionally be supplied with an emergency model (/EM suffix) which is supplied with a battery pack

For full product description and model numbers, and Conditions of Manufacturer, refer to Certificate Annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Certificate Annex.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) **Issue 1**

This issue introduced the following changes:

1. To permit two additional electronic Emergency converter drivers. The temperature class, assigned maximum surface temperature and ambient temperature range for this option are as detailed on the certificate.
2. To permit the use of an alternative battery pack specifically for the 02L EM model.
3. Inclusion of previously omitted information, in the certificate (product) description.

Annex:

[Certificate Annex IECEx CML 21.0008X Iss. 1_1.pdf](#)

Annexe to: IECEx CML 21.0008X Issue 1
Applicant: Hubbell Ltd T/A Chalmit Lighting
Apparatus: Protecta III Luminaire

Description

The Protecta III LED is an Ex ec Luminaire which uses a reinforced Plastic body, a polycarbonate diffuser and silicone gaskets, the enclosures incorporate 4 x M20 entries. This enclosure houses a White coated Zintec tray, to which up to two Ex 'ec' Conformally coated LED strips are mounted (One on the 02L versions). A driver is mounted to the rear of the tray to power the LED strips. The fitting is available in 2ft and 4ft versions. The device may optionally be supplied with an emergency model (/EM suffix) which is supplied with a battery pack.

| Model | Lumens | Dimensions (mm) | Ambient | Power (W) Max. | Voltage (V) |
|------------------|--------|------------------|----------------|----------------|--------------------------------|
| PR3C/02L/LE | 2000 | 742 x 209 x 147 | -40°C to +55°C | 15 | 110-277V 50-60Hz 127-250Vdc |
| PR3C/04L/LE | 4000 | 1352 x 209 x 147 | -40°C to +55°C | 24 | 110-277V 50-60Hz 127-300Vdc |
| PR3C/07L/LE | 7000 | 1352 x 209 x 147 | -40°C to +55°C | 44 | 110-277V 50-60Hz 127-300Vdc |
| PR3C/02L/EM | 2000 | 742 x 209 x 147 | -25°C to +50°C | 20 | 220-240V 50-60Hz |
| PR3C/04L/EM | 4000 | 1352 x 209 x 147 | -25°C to +50°C | 27 | 220-240V 50-60Hz |
| PR3C/07L/EM | 7000 | 1352 x 209 x 147 | -25°C to +50°C | 49 | 220-240V 50-60Hz |
| PR3C/04L/EM/DM | 4000 | 1352 x 209 x 147 | -25°C to +50°C | 26 | 220-240V 50-60Hz |
| PR3C/07L/EM/DM | 7000 | 1352 x 209 x 147 | -25°C to +50°C | 29 | 220-240V 50-60Hz |
| PR3C/02L/LE/JSVT | 2000 | 742 x 209 x 147 | -15°C to +50°C | 17 | 230Vac 50-60Hz 176-264 Vdc |
| PR3C/04L/LE/JSVT | 4000 | 1352 x 209 x 147 | -15°C to +50°C | 24 | 230Vac 50-60Hz 176-264 Vdc |
| PR3C/07L/LE/JSVT | 7000 | 1352 x 209 x 147 | -15°C to +50°C | 53 | 230Vac 50-60Hz 176-264 Vdc |
| PR3C/02L/LEJSVS | 2000 | 742 x 209 x 147 | -15°C to +50°C | 18 | 230Vac 50-60Hz 176-264 Vdc |
| PR3C/04L/LEJSVS | 4000 | 1352 x 209 x 147 | -15°C to +50°C | 25 | 230Vac 50-60Hz 176-264 Vdc |
| PR3C/07L/LEJSVS | 7000 | 1352 x 209 x 147 | -15°C to +50°C | 54 | 230Vac 50-60Hz 176-264 Vdc |

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Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Each unit manufactured shall be subjected to a routine functional test and flash test of $(1000+2U) * 1.2$ to be applied for a minimum of 100ms in accordance with IEC 60079-7.

Specific Conditions of Use

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

- i. 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, such as fast-moving streams of dry air, steam, 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 number | Standards (incl Ed) | Assessment result |
|--------------------|--------------------------------------|--|
| IECEX PTB 04.0004U | IEC 60079-0 Ed 6 IEC 60079-7 Ed 5 | No applicable technical differences. For detail see ExTR |