



Type Examination Certificate **CML 21ATEX3109X Issue 0**

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Protecta III**
- 3 Manufacturer **Hubbell Ltd T/As 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 CML B.V., Chamber of Commerce No 6738671, Koopvaardijweg 32, 4906CV Oosterhout The Netherlands, 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 of Directive 2014/34/EU.

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 Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Annex VIII 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 60079-7:2015 +A1:2018

EN 60079-31:2014

- 10 The equipment shall be marked with the following:



II 3 G D

Ex ec IIC T4 Gc

Ex tc IIIC T75°C Dc

LED Control Gear Non-emergency:

Ta = -40°C to +55°C

LED Control Gear Inotec module Non-emergency:

Ta = -15°C to +50°C

Emergency:

Ta = -25°C to +50°C



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11 Description

The Protecta III LED is an Ex ec Luminaire which uses a reinforced Plastic body and polycarbonate diffuser. This enclosure houses a White coated Zintec tray, to which two Ex 'ec' Conformally coated LED strips are mounted (One on the 02L). 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	Ambient
PR3C/02L/LE	2000	742 x 209 x 147 mm	-40°C to +55°C
PR3C/04L/LE	4000	1352 x 209 x 147 mm	-40°C to +55°C
PR3C/07L/LE	7000	1352 x 209 x 147 mm	-40°C to +55°C
PR3C/02L/EM	2000	742 x 209 x 147 mm	-25°C to +50°C
PR3C/04L/EM	4000	1352 x 209 x 147 mm	-25°C to +50°C
PR3C/07L/EM	7000	1352 x 209 x 147 mm	-25°C to +50°C
PR3C/04L/EM/DM	4000	1352 x 209 x 147 mm	-25°C to +50°C
PR3C/07L/EM/DM	7000	1352 x 209 x 147 mm	-25°C to +50°C
PR3C/02L/LE/JSVT	2000	742 x 209 x 147 mm	-15°C to +50°C
PR3C/04L/LE/JSVT	4000	1352 x 209 x 147 mm	-15°C to +50°C
PR3C/07L/LE/JSVT	7000	1352 x 209 x 147 mm	-15°C to +50°C
PR3C/02L/LEJSVS	2000	742 x 209 x 147 mm	-15°C to +50°C
PR3C/04L/LEJSVS	4000	1352 x 209 x 147 mm	-15°C to +50°C
PR3C/07L/LEJSVS	7000	1352 x 209 x 147 mm	-15°C to +50°C

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	28-01-2021	R13765A/00	Issue of prime certificate

13 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.

14 Specific Conditions of Use (Special Conditions)

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

- i. Electrostatic Charging hazard- Clean Only with a damp cloth.

Certificate Annex

Certificate Number CML 21ATEX3109X
Equipment Protecta III
Manufacturer Hubbell Ltd T/As Chalmit Lighting



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

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
H049664	4	0	2021-01-28	Protecta III LED Certification Drawing