



EU Type Examination Certificate CML 17ATEX3248X Issue 1

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Z0264 Explosion-proof (Emergency) LED Light Fitting/Exit Sign Lighting Fittings**
- 3 Manufacturer **Index Elektro B.V.**
- 4 Address Harregatplein 15
3214VP
Zuidland
The Netherlands

- 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, 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.

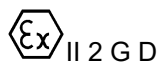
The examination and test results are recorded in the confidential reports listed in Section 12.

- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of 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 60079-0:2012+A11:2013	EN 60079-1:2014
EN 60079-5:2015	EN 60079-7:2015
EN 60079-11:2012	EN 60079-18:2009
EN 60079-28:2015	EN 60079-31:2014

- 10 The equipment shall be marked with the following:

Standard:



II 2 G D

Ex eb ib op is q IIC T4 Gb

Ex tb IIIC T80°C Db

Ta= -20°C to +55°C

When fitted with option extra:

Switch = Ex db eb ib op is q IIC T4 Gb

Fuse = Ex eb ib mb op is q IIC T4 Gb

Switch + Fuse = Ex db eb ib mb op is q IIC T4 Gb

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11 Description

The Z0264 Explosion-proof LED Light Fittings are designed for fixed location hazardous area and rated at 100 V to 250 V ac. It is available with a clear plastic lens or with additional emergency sign. It is installed to run from a cabled power supply but also includes a battery to allow operation in emergency situations where power is not operational.

The design comprises a plastic IP 66 rated enclosure (with optional emergency exit sign graphics), 30 diode LED light module, power module/control gear, battery, cable glands and terminals. In addition to this standard light fitting it may also be fitted with a separately certified Ex mb fuse (IECEX CQM 11.0009U) and/or Ex d switch (IECEX CQM 15.0034U).

The enclosure is made up of a transparent plastic cover and white plastic base. A silicone foam seal is located in a groove in the cover which is secured to the base by a hinge at one end and a tool secured lock at the other.

Fixed inside the base is the power module, rechargeable battery pack, terminal block and optional fuse and/or switch. Fixed inside the lid is the LED board, indication switch (3 coloured LEDs) and optional sign.

Variation 1:

This variation introduced the following modifications:

- i. The certification was transferred from CML UK to CML B.V.
- ii. Minor editorial changes to the certificate description.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	29 Sep 2017	R11354A/00	Issue of prime certificate
1	16 Mar 2021	R13951A/00	Introduction of Variation 1

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



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13 Conditions of Manufacture

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

- 13.1 Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- 13.2 All equipment and separate circuits shall satisfy the requirements of EN/IEC 60079-7 clause 7.1 Dielectric tests (Routine) in accordance with EN/IEC 60079-7 clause 6.1. Dielectric strength,
- at a test voltage of 1,500 V r.m.s. + 5%, -0 % where the working voltage exceeds 90 V Peak;
 - at a test voltage of 500 V r.m.s. + 5%, -0 % where the working voltage does not exceed 90 V; Peak
- and maintained for at least 60 s without dielectric breakdown occurring. Alternatively, a test shall be carried out at 1,2 times the test voltage, but maintained for at least 100 ms. without dielectric breakdown occurring.
- 13.3 The insulating properties of each lot of filling material shall satisfy the requirements of EN/IEC 60079-5 clause 5.22 Dielectric Strength Test of the Filling Material, prior to filling process.
- 13.4 All transformers shall satisfy the requirements of EN/IEC 60079-11 clause 11.2 Routine Tests for Infallible Transformers where $U = 250$ V. The test voltage shall be applied for a period of at least 60 s. Alternatively, the test may be carried out at 1,2 times the test voltage, but with reduced duration of at least 1 s. The applied voltage shall remain constant during the test. The current flowing during the test shall not increase above that which is expected from the design of the circuit and shall not exceed 5 mA r.m.s. at any time. During these tests, there shall be no breakdown of the insulation between windings or between any winding and the core or the screen.
- 13.5 Cable glands and stopping plugs when supplied shall be suitably rated and certified for use in Group II (Gas) and Group III (Dust) Explosive atmospheres in accordance with the equipment markings.

14 Specific Conditions of Use (Special Conditions)

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

- 14.1 Static hazard – Clean only with a damp cloth.
- 14.2 Do not open when energised.
- 14.3 Do not discharge or replace the battery in an explosive environment.

Certificate Annex

Certificate Number CML 17ATEX3248X
Equipment Z0264 Explosion-proof (Emergency) LED Light Fitting/Exit Sign Lighting Fitting
Manufacturer Index Elektro B.V.



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

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
8Z0264.015.000	1 of 1	-	29 Sep 2017	Type - Z0264 - Labels
8Z0264.015.Drive	1 of 1	-	29 Sep 2017	Label Drive Module

Issue 1

No drawings were introduced or revised under this issue.