



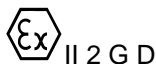
EU Type Examination Certificate CML 16ATEX1342X Issue 2

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **CZ086, CZ136 and CZ0264 Series Explosion-Proof (Emergency) LED Linear Light Fittings**
- 3 Manufacturer **CZ Electric Co., Ltd.**
- 4 Address **No. 1 Qixing Rd, Qixing Town, Nanghu District, Jiaxing, Zhejiang, P.R. China**
- 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, Hoogoorddreef 15, Amsterdam, 1101 BA, 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 60079-0:2012+A11:2013	EN 60079-1:2014*	EN 60079-5:2015
EN 60079-7:2015	EN 60079-18:2014	EN 60079-28:2015
EN 60079-31:2014		

**When the distance switch is not fitted, the equipment is not considered to be flameproof.*

- 10 The equipment shall be marked with the following:



II 2 G D

Ex db eb mb op is q IIC T6/T5/T4 Gb

Ex tb op is IIIC T80°C Db

Ta = -25°C to +40°C/+50°C/+55°C

** Refer to description for complete marking*

R C Marshall
Certification Officer



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11 Description

The CZ086 Series, CZ136 Series and CZ0264 Series Explosion-proof (Emergency) LED Linear Light Fittings are designed for fixed location hazardous areas and rated at 100V to 250V AC. They are installed to run from cabled power supplies but also include the option for emergency batteries.

The enclosures are IP66 rated and incorporate the use of the Explosion-proof LED Light Module CZ1618/11-LED__W_, the Explosion-proof LED Power Module CZ1618/57-_x LED__W, and the Explosion-proof LED Inverter Module CZ1618/58-_x LED__W which are approved under CML ATEX 3341U and IECEx CML 16.0115U.

There are also options for the CZ0819 Series Explosion-proof battery module, the CZ0207 series Explosion-proof isolation switch module which is certified under IECEx CQM 15.0034U and the CZ0804 series explosion-proof fuse module which is certified under IECEx CQM 11.0009U.

The models are marked as below:

CZ086 Series and CZ136 Series

Ex eb mb op is q IIC T5/T4 Gb	(standard without isolation switch)
Ex db eb mb op is q IIC T5/T4 Gb	(standard with isolation switch)
Ex eb mb op is q IIC T4 Gb	(emergency without isolation switch)
Ex db eb mb op is q IIC T4 Gb	(emergency with isolation switch)
Ex tb op is IIIC T80°C Db	

The T Class for the standard versions is dependant on the ambient:

Standard versions:

T5 at $-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

T4 at $-25^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

Emergency versions

T4 at $-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}/+50^{\circ}\text{C}$ (CZ0865)

T4 at $-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}/+55^{\circ}\text{C}$ (CZ0866 and CZ136)

CZ1363 Series

Ex eb mb op is q IIC T4 Gb

Ex tb op is IIIC T80°C Db

All versions:

T4 at $-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$



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CZ0264 Series

- Ex db eb mb op is q IIC T6/T5 Gb (with isolation switch)
 Ex eb mb op is qb IIC T6/T5 Gb (without isolation switch)
 Ex tb op is IIIC T80°C Db

The T Class/ maximum surface temperature is dependant on the ambient:

- T6 at $-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
 T5 at $-25^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

Variation 1

This issue introduced the following modifications:

- i. The introduction of two additional models to the CZ136 range.
- ii. The introduction of the CZ0264 range.
- iii. Clarification of the marking options available to the ranges covered.

Variation 2

This issue introduced the following modifications:

- i. Change of manufacturer's company name from CZ Explosion-proof Electric Appliances Co., Ltd. to CZ Electric Co., Ltd.
- ii. Correction of typographical errors.
- iii. Transfer of certificate from CML UK to CML BV.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	06 Mar 2017	R1554A/00	Issue of Prime Certificate
1	27 Feb 2018	R2081A/00	Introduction of Variation 1
2	04 Dec 2019	R12865A/00	Introduction of Variation 2

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

13 Conditions of Manufacture

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

- i. Where the equipment 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 component that is the subject of this certificate. A copy of the certification and/or instructions for the parts shall be provided as part of the luminaire document pack.
- ii. Each unit manufactured shall be subjected to an electric strength test in accordance with EN 60079-7:2015 clause 7.1. It shall be carried out at $1000\text{ V} + 2U$ for 60 seconds or at 1.2 times this test voltage for at least 100 ms.



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14 Special Conditions for Safe Use (Conditions of Certification)

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

- i. Due to the risk of static hazards of the CZ086 Series and CZ0264 Luminaire Ranges, the equipment in these ranges shall only be cleaned with a damp cloth.
- ii. The CZ1618 LED, Power, Inverter and fuse modules fitted inside the luminaire enclosure are supplied permanently sealed and therefore no attempt must be made to open or repair them.

Certificate Annex

Certificate Number CML 16ATEX1342X
Equipment CZ086, CZ136 and CZ0264 Series Explosion-Proof
(Emergency) LED Linear Light Fittings
Manufacturer CZ Electric Co., Ltd.



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

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
2CZ0865LED.001.000	1 of 1	AA	06 Mar 2017	CZ0865/1 x LED 30W Structure Diagram
2CZ0865LED.002.000	1 of 1	AA	06 Mar 2017	CZ0865/1 x LED 30W-YJ Structure Diagram
2CZ0866LED.001.000	1 of 1	AA	06 Mar 2017	CZ0866/2 x LED 30W Structure Diagram
2CZ0866LED.002.000	1 of 1	AA	06 Mar 2017	CZ0866/2 x LED 30W-YJ Structure Diagram
2CZ1361LED.001.000	1 of 1	AA	06 Mar 2017	CZ1361/-1 x LED 30W Structure Diagram
2CZ1361LED.002.000	1 of 1	AA	06 Mar 2017	CZ1361/-1 x LED 30W-YJ Structure Diagram
2CZ1362LED.001.000	1 of 1	AA	06 Mar 2017	CZ1361/-2 x LED 30W Structure Diagram
2CZ1362LED.002.000	1 of 1	AA	06 Mar 2017	CZ1361/-2 x LED 30W-YJ Structure Diagram
8CZ0865LED.000.001	1 of 1	AA	06 Mar 2017	CZ0865/LED Nameplate 3M-7875
8CZ0866LED.000.001	1 of 1	AA	06 Mar 2017	CZ0866/LED Nameplate 3M-7875
8CZ1361LED.000.001	1 of 1	AA	06 Mar 2017	CZ1361/LED Nameplate 3M-7875
8CZ1362LED.000.001	1 of 1	AA	06 Mar 2017	CZ1362/LED Nameplate 3M-7875

Issue 1

Drawing No	Sheets	Rev	Approved date	Title
2CZ0264LED.000.026~027	1 to 2	AA	27 Feb 2018	CZ0264/31-LED16W Structure Diagram
2CZ0865LED.001.000	1 of 1	AB	27 Feb 2018	CZ0865/1 x LED 30W Structure Diagram
2CZ0865LED.002.000	1 of 1	AB	27 Feb 2018	CZ0865/1 x LED 30W-YJ Structure Diagram
2CZ0866LED.001.000	1 of 1	AB	27 Feb 2018	CZ0866/2 x LED 30W Structure Diagram
2CZ0866LED.002.000	1 of 1	AB	27 Feb 2018	CZ0866/2 x LED 30W-YJ Structure Diagram
2CZ1361LED.001.000	1 of 1	AB	27 Feb 2018	CZ1361/1 x LED 30W Structure Diagram
2CZ1361LED.002.000	1 of 1	AB	27 Feb 2018	CZ1361/1 x LED 30W-YJ Structure Diagram

Certificate Annex

Certificate Number CML 16ATEX1342X

Equipment CZ086, CZ136 and CZ0264 Series Explosion-Proof
(Emergency) LED Linear Light Fittings

Manufacturer CZ Electric Co., Ltd.



Drawing No	Sheets	Rev	Approved date	Title
2CZ1362LED.001.000	1 of 1	AB	27 Feb 2018	CZ1361/2 x LED 30W Structure Diagram
2CZ1362LED.002.000	1 of 1	AB	27 Feb 2018	CZ1361/2 x LED 30W-YJ Structure Diagram
2CZ1363LED.000.001~006	1 to 2	AA	27 Feb 2018	CZ1363/2 x LED 30W Structure Diagram
2CZ1363LED.000.007~012	1 to 2	AA	27 Feb 2018	CZ1363/2 x LED 30W Structure Diagram
2CZ0819.011.000	1 of 1	AA	27 Feb 2018	CZ0819/1.0Ah 7.2 V Structure Diagram
5CZ0264LED.000.015	1 of 1	AA	27 Feb 2018	CZ0264/31 Structure Diagram
5CZ0865LED.001.000	1 of 1	AB	27 Feb 2018	CZ0865 Structure Diagram
5CZ0866LED.001.000	1 of 1	AB	27 Feb 2018	CZ0866 Structure Diagram
5CZ1363LED.000.011~013	1 of 1	AA	27 Feb 2018	CZ1363/3 Structure Diagram
5CZ1363LED.000.014~016	1 of 1	AA	27 Feb 2018	CZ1363/4 Structure Diagram
8CZ0264LED.043.000	1 of 1	AA	27 Feb 2018	Nameplate
8CZ0865LED.000.001	1 of 1	AB	27 Feb 2018	CZ0865/LED Nameplate
8CZ0866LED.000.001	1 of 1	AB	27 Feb 2018	CZ0866/LED Nameplate
8CZ1361LED.000.001	1 of 1	AB	27 Feb 2018	CZ1361/LED Nameplate
8CZ1362LED.000.001	1 of 1	AB	27 Feb 2018	CZ1362/LED Nameplate
8CZ1363LED.000.033	1 of 1	AA	27 Feb 2018	CZ1363/3LED Nameplate
8CZ1363LED.000.034	1 of 1	AA	27 Feb 2018	CZ1363/4LED Nameplate

Issue 2

Drawing No.	Sheets	Rev	Approved date	Title
8CZ0264LED.043.00	1 of 1	AB	04 Dec 2019	Nameplate
8CZ0865LED.000.001	1 to 2	AC	04 Dec 2019	Cz0865/LED Nameplate
8CZ1361LED.000.001	1 to 2	AC	04 Dec 2019	CZ1361/LED Nameplate
8CZ1363LED.000.001	1 of 1	AC	04 Dec 2019	CZ1363/LED Nameplate