

**[1] SUPPLEMENT N.1 EU-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

[3] Certificate Number: **EPT 16 ATEX 2405**

[4] Equipment: **LED Explosion Protected Luminaire**

Series: **LEL Series**

[5] Manufacturer: **COOPER ELECTRIC (CHANGZHOU) CO., LTD.**

[6] Address: No 189 Liuyanghe Road, Xinbei District, Changzhou, Jiangsu, China

[7] This equipment and its accepted variations are specified in the annex to this Certificate.

[8] Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th 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 of the Directive.

The examination and test results are recorded in the confidential Report N° EPT.16.REL.01/54508.

[9] Compliance with the essential health and safety is assured through the verification of them and by compliance with the standard:


**EN 60079-0:2012+A11:2013; EN 60079-1:2014; EN 60079-7:2007; EN 60079-18:2015;**

**EN 60079-31:2014; EN 60079-28:2015**

[10] If the sign "X" is placed after the Certificate number, it indicates that the equipment is subject to the special conditions for safe use specified in the annex to this Certificate.

[11] This EU -TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.

Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

[12] The equipment shall include the sign  and the following string:

**II 2 G Ex db e mb op is IIC T6 Gb**

**II 2 D Ex tb IIIC T80 °C Db IP66**

**Tamb: -40 °C ~+45 °C**

Place and date of issue:

**Torino, 2016-06-28**



Dionisio Bucchieri  
Directive Responsible

Paolo Trisoglio  
Managing Director



SGQ N° 133A

PRD N° 119B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC  
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This Certificate has 3 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



[13]

ANNEX

[14]

**SUPPLEMENT N.1 EU-TYPE EXAMINATION CERTIFICATE  
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[15] **Equipment description**

The LEL series LED explosion protected luminaire can be used in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas where IIC explosive gas or vapour are present with T6 classification, and combustible dust areas of IIC group with maximum surface temperature not exceeding 80°C

The luminaire consists of an "Ex m" lamp housing and an "Ex d" driver chamber with an "Ex e" terminal chamber on the side of the main housing. Inside the Lamp housing, the LED arrays are encapsulated by lens using sealing compound. The LED driver is installed inside the Driver housing while the Exe terminal block is installed inside the Exe chamber to provide the electrical connections. The material of the enclosure is casting aluminium alloy and the lighting lens are made of tempered glass. The electric power supply should be provided via certified cable glands. Unused entries should be sealed with suitable certified blanking element. The vertical positioning of the luminaire can be adjusted from 90° before vertical to 60° over vertical. The used gasket are made of Silicone (SE6035/SE6075) to guarantee the degree of protection IP66. The sizes of cable entry holes are listed in the instruction manual.

The equipment is intended for use in temporary fixed installations or as a portable product.

Model reference	LEL	-3L	-W			-1M	-S886	*	*	*	*	*
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)

- (1). LEL — Indicates basic catalog series designation.
- (2). Indicates Total Luminous Flux. 3L — 3000 Lm; -5L — 5000 Lm
- (3). Indicates LED color temperature. Default — 5700K; -W — 3000K
- (4). Indicates Optics type. Default — Type V optics standard
- (5). Indicates ballast voltage. Default — AC: 100-240V 50/60Hz, DC: 108~250V
- (6). Indicates entry type and size. -1M — M20; -2M — M25
- (7). Indicates entry quantity. Default — One entry; -S886 — Dual entry
- (8), (9), (10), (11), (12). Optional suffixes. The \* items are uninfluenced to hazardous products.

**Routine test**

The Manufacturer shall carry out the routine tests prescribed at:  
 - Clause 7.1 of EN 60079-7;  
 - Clause 9.1 of EN 60079-18.

[16] **Assessment Report n° EPT.16.REL.01/54508**

This EC-Type Examination Certificate is released after the positive result of the conformity assessment of the Directive 2014/34/EU and to harmonized technical standards EN 60079-0:2012+A11:2013; EN 60079-1:2014; EN 60079-7:2007; EN 60079-18:2015; EN 60079-31:2014; EN 60079-28:2015 performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.

[17] **Special condition for a safe use**

None.

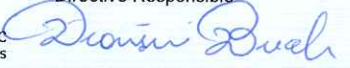
[18] **Essential Health and Safety Requirements**

Assured by the evaluation of each requirement and the compliance with EN 60079-0:2012+A11:2013; EN 60079-1:2014; EN 60079-7:2007; EN 60079-18:2015; EN 60079-31:2014; EN 60079-28:2015.



SGQ N° 133A  
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Dionisio Bucchieri  
 Directive Responsible





[13]

**ANNEX**

[14]

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**[19] Descriptive documents**

The instructions manual has been updated; the current document is

Document	Name	Rev.	Date	Scheduled
Operating instructions LEL Series LED Explosion Protected Luminaire	IM0217	Version 2	02/2016	✓

**[20] Terms and conditions**

No changes.

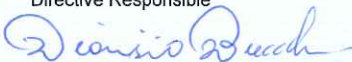
**[21] Certificate history**

This Supplement is at its first issue, it has been issued following the change in classification of installation and use as indicated in the Operating Instructions.


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End of Certificate

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