

# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx EPS 14.0036 Issue No: 0 Certificate history:  
Status: Current Page 1 of 3 Issue No. 0 (2014-09-16)  
Date of Issue: 2014-09-16  
Applicant: COELBO S.r.l.  
V. Santa Margherita, 83  
20861 Brugherio (MB)  
Italy  
Electrical Apparatus: LED lighting fitting type EVL  
*Optional accessory:*  
Type of Protection: "d", "tb"  
Marking: Ex d IIC T6-T4 Gb  
Ex tb IIIC T85°C-T135°C Db IP66/67  
Ex d I Mb

Approved for issue on behalf of the IECEx  
Certification Body:

Dieter Zitzmann

Position:

Certification manager

Signature:  
(for printed version)

Date:



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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: COELBO S.r.l.  
V. Santa Margherita, 83  
20861 Brugherio (MB)  
Italy

Additional Manufacturing  
location(s):

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 electrical apparatus 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 : 2011<br>Edition:6.0  | Explosive atmospheres - Part 0: General requirements                                 |
| IEC 60079-1 : 2007-04<br>Edition:6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"    |
| IEC 60079-31 : 2008<br>Edition:1   | Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't' |

*This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

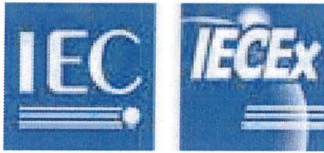
*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

#### Test Report:

[DE/EPS/ExTR14.0039/00](#)

#### Quality Assessment Report:

[IT/CES/QAR10.0009/03](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The lighting fitting series EVL is for dimensions and form suitable to be placed under low ceiling, underground passages and in any other place where available space doesn't allow installation of traditional lighting fittings. The apparatus provide installation of LED boards up to 30 W and it's possible to choose between two different height of covers. On the other hand (only for high cover configuration), an emergency version of lamp is available which allows to enlight the LED light source in case of blackout, by the use of an emergency converter powered by rechargeable battery pack.

Maximum ambient temperature range is from  $-50^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ .

Temperature class in relation to ambient temperature and wattage is as follows:

| Installed bulb type/power | Temperature class |        | Max ambient temp.           |
|---------------------------|-------------------|--------|-----------------------------|
|                           | Gas               | Dust   |                             |
| LED up to 30W             | T6                | T85°C  | up to $+50^{\circ}\text{C}$ |
|                           | T5                | T100°C | up to $+60^{\circ}\text{C}$ |
|                           | T4                | T135°C | up to $+80^{\circ}\text{C}$ |

For external connection of lighting fitting EVL only certified Ex d cable gland or conduit entries shall be used. Unused openings shall be closed.

CONDITIONS OF CERTIFICATION: NO