



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

Certificate No.: IECEx SEV 18.0018X

Issue No: 0

Certificate history:

Issue No. 0 (2018-07-30)

Status: **Current**

Page 1 of 3

Date of Issue: **2018-07-30**

Applicant: **Cortem S.p.A.**
Via Aquileia, 10
34070 Villesse (Go)
Italy

Equipment: **Luminaire Type LFED**

Optional accessory:

Type of Protection: **"db", "tb", "op is"**

Marking:

Ex db op is IIB+H₂ T6 Gb
Ex tb op is IIIC T72°C Db

Approved for issue on behalf of the IECEx
Certification Body:

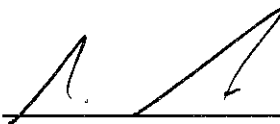
Jürg Rellstab

Position:

Manager Product Certification

Signature:
(for printed version)

Date:


2018-07-30

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.

Certificate issued by:

Eurofins Electrosuisse Product Testing AG
Luppenstrasse 3
CH-8320 FEHRALTORF
Switzerland



**Electrosuisse
Product Testing**



IECEX Certificate of Conformity

Certificate No: IECEX SEV 18.0018X Issue No: 0
Date of Issue: 2018-07-30 Page 2 of 3
Manufacturer: **Cortem S.p.A.**
Via Aquileia, 10
34070 Villesse (Go)
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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
IEC 60079-31 : 2013 Edition:2	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:

CH/SEV/ExTR18.0020/00

Quality Assessment Report:

IT/CES/QAR06.0002/12



IECEX Certificate of Conformity

Certificate No: IECEX SEV 18.0018X

Issue No: 0

Date of Issue: 2018-07-30

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Luminaires Type LFED

The equipment is made up of flame proof enclosure composed by one body and one cover containing the glass window; the two parts of the enclosure are coupled by a flanged joint with screws.

There are three different versions of the lamp; for only normal service, for only emergency service and for normal + emergency service. Inside the enclosure there are the led tube, the terminals and, in case of emergency service also the inverter and rechargeable batteries.

The enclosure is protected against the ingress of the dust with IP degree IP66. The equipment has also the type of protection "Ex op is". The equipment are suitable for gas group IIB+H₂ and - dust group IIIC.

Classification of installation and use:	stationary
Ingress protection:	IP66
Rated ambient temperature range:	-60 °C ≤ Tamb ≤ +60 °C; or -40 °C ≤ Tamb ≤ +60 °C when a signaling LED with polycarbonate lens is used

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Flameproof joints cannot be repaired.
- Use screws with property class ≥ A2-70

Annex:

IECEX SEV 18.0018 Annexe Issue 0.pdf

Annexe to: IECEx SEV 18.0018

Issue No.: 0
page 1 of 1

Applicant Name: Cortem S.p.A.

Electrical Apparatus: Luminaires

General product information:

The equipment is made up of flame proof enclosure composed by one body and one cover containing the glass window; the two parts of the enclosure are coupled by a flanged joint with screws.

There are three different versions of the lamp; for only normal service, for only emergency service and for normal + emergency service. Inside the enclosure there are the led tube, the terminals and, in case of emergency service also the inverter and rechargeable batteries.

The enclosure is protected against the ingress of the dust with Ip degree IP66.

The equipment has also the type of protection "Ex op is".

The equipment are suitable for gas group IIB+H₂ and - dust group IIIC.

Identification and characteristics:

MODEL	POWER	VOLTAGE	Service
LFED-112E..	12 W	110-240 V ac-dc	Emergency
LFED-112N..	12 W	110-230-240 V ac-dc	Normal + Emergency
LFED-112..	12 W	110-277 V ac-dc	Normal

LFED-112 .../...

I	Tube
12	Watt
Blank	Only normal service
E	Only emergency service
N	Normal + emergency service
OTHERS PARTICULARS DESCRIPTIONS (if required)	

Cable entries

The accessories used for cable entries and for unused holes have to be subjected to a separate suitable IECEx certification.

Warning label

The flameproof joint are not to be repaired
Do not open when an atmosphere explosive can be present