

[1]

EU-TYPE EXAMINATION CERTIFICATE



[2] **Equipment and Protective System intended for use in potentially explosive atmospheres
Directive 2014/34/EU – Annex III**

[3] Certificate Number: **EPT 18 ATEX 2969 X** Issue 0

[4] Equipment: **Luminaire**
Series: **LFED**

[5] Manufacturer: **CORTEM S.p.A.**

[6] Address: **Via Aquileia n° 10, 34070 Villesse (GO) - Italia**

[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 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 of the Directive.

The examination and test results are recorded in the confidential Report N° EPT.18.REL.01/56152

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

**EN 60079-0:2012+A11:2013, EN 60079-1:2014, 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 strings:

II 2GD

Ex db op is IIB+H2 T6 Gb

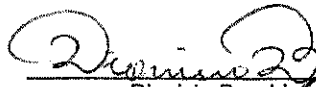
Ex tb op is IIIC T72°C Db

-60°C ≤ Ta ≤ +60°C or

**-40°C ≤ Ta ≤ +60°C (when signaling LED
with polycarbonate lens is used)**

Place and date of issue:
Torino, 2018-06-19




Dionisio Buccheri
Directive Responsible




Paolo Crisoglio
Managing Director



PRD N° 119B
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This Certificate has 3 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



[13]

ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 18 ATEX 2969 X

Issue 0

[15] Equipment description

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 version 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 IP 66.

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

Cable entries

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

Warning label

The flameproof joints are not to be repaired.
Do not open in presence of explosive atmosphere

Routine tests

The manufacturer must to perform the routine overpressure test on the flameproof enclosures with the static method (clause 15.2.3.2 of EN 60079-1) at the pressure of 14,4 bar.

[16] Assessment Report n° EPT.18.REL.01/56152

This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Directive 2014/34/EU and of the verification of compliance with the harmonized technical standards listed in this Certificate; 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

- Flameproof joints cannot be repaired
- Use screws with property class \geq A2-70

[18] Essential Health and Safety Requirements

Assured by compliance with harmonized standards.



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Directive Responsible



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ANNEX

[14]

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Issue 0

[19] Descriptive documents

The equipment object of this Certificate is described by the following documents.

Scheduled documents are indicated with the symbol "✓". They cannot be modified without the explicit authorization of the Notified Body.

Document	Name	Rev.	Date	Scheduled
Technical Note	A4-7169	0	2018-02-07	✓
Drawing: Enclosure	A3-7168	0	2017-07-02	✓
Safety and maintenance instructions	F-458	0	2018-02-07	✓

[20] Terms and conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the 2014/34/EU Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

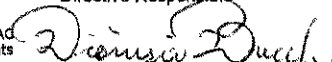
[21] Certificate History

This Certificate is at its first issue.



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End of Certificate