



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 ITS 15.0008 Issue No: 0 Certificate history:
Issue No. 0 (2015-06-19)

Status: **Current** Page 1 of 3

Date of Issue: **2015-06-19**

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

Electrical Apparatus: **LED Luminaire EVML-50**
Optional accessory:

Type of Protection: **Ex e mb tb**

Marking:
Ex e mb IIC Tx Gb
Ex tb IIIC Tx Db IP66
-40°C ≤ t_{amb} ≤ +60°C

*Approved for issue on behalf of the IECEx
Certification Body:*

V K Varma

Position:

Certification Officer

*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](#).

Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SB
United Kingdom





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Manufacturer: **Cortem S.p.A.**
Via Aquileia, 10
34070 Villesse (Go)
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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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-18 : 2009 Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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:

[GB/ITS/ExTR15.0009/00](#)

Quality Assessment Report:

[IT/CES/QAR06.0002/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Lighting fixture EVML-50 is composed by an encapsulated led board and a terminal box in Ex e protection. The housing is made in aluminium alloy (or stainless steel) and it has fins for the dissipation of the heat. The cover glass is a temperate plate, it is fixed by means of a stainless steel disk and screws. The glass is been subjected to a special treatment for the UV protection.

Inside the Ex e enclosure is present a set of Ex e terminals:

Cabur TR.2 (Atex: CESI03ATEX022U, IECEx: IECEx CES11.004U)

Cabur RN.2 (Atex: CESI03ATEX073U, IECEx: IECEx CES11.009U)

	EVML-50			EVML-50/110		
Tamb	+40°C	+55°C	+60°C	+40°C	+55°C	+60°C
Gas	T6	T6	T5	T6	T6	T5
Dust	+60°C	+75°C	+80°C	+60°C	+75°C	+80°C
	220-240V ac, 19W			110V ac/dc, 12W		

Routine test:

Visual routine inspection: Each piece of "m" equipment shall be subjected to a visual inspection. No damage shall be evident, such as cracks in the compound, exposure of the encapsulated parts, flaking, inadmissible shrinkage, swelling, decomposition, failure of adhesion or softening.

Dielectric strenght test has to be performed at 1500V r.m.s. for 60 second

CONDITIONS OF CERTIFICATION: NO

Annex:

[Annex to CoC_IECEx ITS 15.0008.pdf](#)



ANNEX TO IECEX CERTIFICATE OF CONFORMITY IECEX ITS 15.0008 issue No.:0

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