



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 CES 15.0019 Issue No.: 0 Certificate history:

Status: **Current**

Date of Issue: 2016-04-28 Page 1 of 3

Applicant: **CORTEM S.p.A.**
Via Aquileia 10
I - 34070 Villesse (GO)
Italy

Equipment: **Lighting fixtures, series VIXLU..**
Optional accessory:

Type of Protection: **Increased safety 'e'; Encapsulation 'm'; Dust ignition protection 't'**

Marking: **Ex e mb IIC T4 Gb
Ex tb IIIC T70°C Db
IP66**


Approved for issue on behalf of the IECEx
Certification Body:

Mirko Balaz

Position:

Head of IECEx CB

Signature:
(for printed version)


28-4-2016

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:

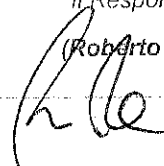
CESI
Centro Elettrotecnico
Sperimentale Italiano S.p.A.
Via Rubattino 54
20134 Milano
Italy

CESI

CESI S.p.A.

Testing & Certification Division
Business Area Certification
Il Responsabile

(Roberto Piccin)





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Manufacturer: **CORTEM S.p.A.**
Via Aquileia 10
I - 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 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:

IT/CES/ExTR15.0022/00

Quality Assessment Report:

IT/CES/QAR06.0002/09



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The lighting fixtures series VIXLU.. are made by a metallic body in stainless steel, galvanized or painted steel and by a transparent part in tempered glass. The lighting fixtures are assembled in an "Ex e" enclosure and are suitable for using 1 or 2 fluorescent tubes with bi-pin cap type G13. A silicone gasket between body and transparent part guarantees the IP 66 protection degree.

The electrical and electronic apparatus are assembled within the metallic body.

In particular the lighting fixtures are equipped with:

- metallic reflector
- bi-pin lamp holders (G-0598 "Ex e")
- electronic ballast (EBV-1 "Ex e mb")
- Ex e terminals

All components are covered with IECEx certificates.

See annex for further description.

CONDITIONS OF CERTIFICATION: NO



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Prot: B6019517

Annex to certificate:

IECEX CES 15.0019 Issue No.:0 of 2016-04-28

Applicant:

CORTEM S.p.A.

Via Aquileia 10, I - 34070 Villesse (GO), Italy

Electrical Apparatus:

Lighting fixtures, series VIXLU..

General product information:

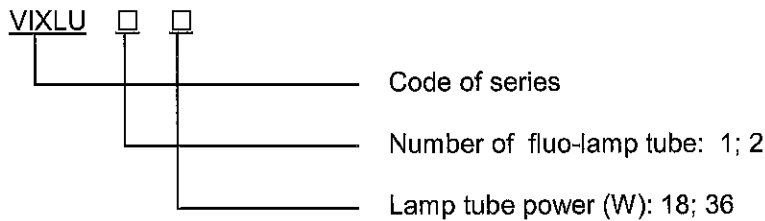
Lighting fixture series VIXLU... is assembled in one increased safety housing composed by a transparent part hinged and locked in the two long sides to the body. One silicon gasket between body and transparent part guarantees the IP66 protection degree.

The lighting fixture contain the electrical and electronic apparatus that are mounted on internal metal frame/reflector. The metal frame/reflector is locked at the body by means of stainless steel screws. On the metal frame/reflector are mounted the lamp-holders.

The Lighting fixture series VIXLU.. is suitable for use of tubular fluorescent lamps with bi-pin cap G13.

Model Identification:

The lighting fixtures are identified by the following code:



PAD B6019517 (2276743) - USO RISERVATO

Electrical characteristics:

Nominal wattage of lamps:	1x18W, 1x36W, 2x18W or 2x36W	
Nominal voltage:	110/230/240 Vac	110/230/240 Vdc
Voltage range:	99+264Vac	99+264 Vdc
Frequency:	50/60 Hz	
Degree of protection:	IP 66	
Ambient Temperature:	- 20°C + +55°C (for galvanized or painted steel body)	
	- 40°C + +55°C (for stainless steel body)	

Temperature class and maximum surface temperature

With the admitted ambient temperature range the following Temperature Class and Max. Surface Temperature are assigned to VIXLU lighting fixtures

Lighting fixture	Temperature Class	Max.. Surface Temperature
VIXLU -118 VIXLU -218 VIXLU -136 VIXLU -236	T4	T70 °C

Minimum installation temperature -40°C; CORTEM guarantees the operations at a minimum temperature of -25°C.

Installation conditions:

The accessories used for cable entries and for closing unused openings shall be certified according to IEC 60079-0, IEC 60079-7 and IEC 60079-31 standards. A minimum degree of protection IP66 shall be guaranteed according to IEC 60529 standard.

Warning label:

"Warning - Do not open when energized."