

CESI**CERTIFICATE****ISMIES****IPH**
BERLIN**FGH**

CESI S.p.A.
Via Rubattino 54
I-20134 Milano - Italy
Tel: +39 02 21251
Fax: +39 02 21255440
e-mail: info@cesi.it
www.cesi.it

Schema di certificazione

CESI-ATEX**[1] EC-TYPE EXAMINATION CERTIFICATE**

**[2] Equipment or Protective System intended for use
in potentially explosive atmospheres
Directive 94/9/EC**

[3] EC-Type Examination Certificate number:

CESI 15 ATEX 037

[4] Equipment: Lighting fixtures VIXLU.. series

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

[6] Address: Via Aquileia 10, I-34070 Villesse (GO), Italy

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] CESI, notified body n. 0722 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in confidential report n. EX- B5012081

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0: 2012; EN 60079-7: 2007; EN 60079-18: 2009; EN 60079-31: 2014

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

**Ex II 2 GD
Ex e mb IIC T4 Gb
Ex tb IIC T70°C, Db
IP66**

This certificate may only be reproduced in its entirety and without any change, schedule included.

Date 29/06/2015

Translation issued the 29/06/2015

Prepared
Sergio Mezzetti

Verified
Mirko Balaz

Approved
Roberto Piccin

CESI S.p.A.

Testing & Certification Division
Business Area Certification

Il Responsabile

(Roberto Piccin)

ACCREDIA
ENTE ITALIANO DI ACCREDITAMENTO

PRD N. 018B
Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 15 ATEX 037**

[15] **Description of equipment**

The lighting fixtures series VIXLU.. are made by a metallic body in stainless steel and by a transparent part in tempered glass.

The lighting fixtures are assembled in an "Ex e" enclosure and are integrated with 1 or 2 fluorescent tubes.

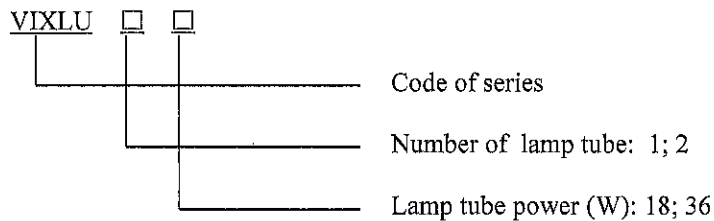
A silicone gasket between body and transparent part guarantees the IP 66 protection degree.

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

In particular:

- the lighting fixtures are equipped with an electronic ballast type EBV-1 "Ex e mb" (certificate CESI 13ATEX 034U); bi-pin lampholder type G-0598 "Ex e" (certificate CESI 15ATEX 036U); terminals CABUR type BPL4- TPL4 "Ex e" (certificate CESI 03ATEX 164U) or CABUR type DAS4, "Ex e" (certificate CESI 03ATEX162U).

The lighting fixtures are identified by the following code:



Electrical characteristics:

Nominal wattage of lamps:	1x18W, 1x36W, 2x18W or 2x36W
Nominal voltage:	110/230/240 Vac 110/230/240 V/dc
Voltage range:	99÷264Vac 99÷264Vdc
Frequency:	50/60Hz
Degree of protection:	IP 66
Ambient Temperature:	- 20 °C ÷ + 40 °C

Temperature class and maximum surface temperature:

The following table shows the Temperature Class and the Max. Surface Temperature, depending of the max ambient temperature admitted.

Lighting fixture	Ambient Temperature	temp. Class	Max.. Surface Temperature
With fluorescent lamp VIXLU -118 VIXLU -218 VIXLU -136 VIXLU -236	- 20°C ÷ +40°C	T4	T70 °C

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[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 15 ATEX 037**

Cable entries

The accessories used for cable entries and for closing unused openings shall be certified according to EN 60079-0, EN 60079-7 and EN 60079-31 standards.

A minimum degree of protection IP66 shall be guaranteed according to EN 60529 standard.

Warning label

“Do not open when energized”

[16] **Report n. EX- B5012081**

Routine tests

The dielectric test with applied voltage shall be performed on the lighting fixtures series VIXLU... at 1,5 KV between the terminals and earth. (according to clause 7.1 of the EN 60079-7)

Descriptive documents (prot. EX- B5012093)

- Technical Note Nr. A4-6315 (4 sheets)	Rev. 0	dated	19/01/2015
- Drawing n. A1-6316	Rev. 0	dated	19/01/2015
- Drawing n. A3-6317	Rev. 0	dated	19/01/2015
- Drawing n. A3-6319	Rev. 0	dated	19/01/2015
- Safety Instructions F 416 (7 sheets)	Rev. 0	dated	19/01/2015
- Fac-simile of CE declaration of Conformity 0191		dated	19/01/2015
- Data sheets of materials (11 sheets)			

One copy of all documents is kept in CESI files.

[17] **Special conditions for safe use**

None

[18] **Essential Health and Safety Requirements**

Covered by compliance to the following standards:

- EN 60079-0: 2012 - Electrical apparatus for explosive gas atmospheres: General requirements
- EN 60079-0/A11: 2013 Electrical apparatus for explosive gas atmospheres: General requirements
- EN 60079-7: 2007- Explosive atmospheres: increased safety “e”
- EN 60079-18: 2009- Explosive atmospheres: protection by encapsulation “m”
- EN 60079-31: 2014- Equipment dust ignition protection by enclosure “t”




EXTENSION n. 01/16

to EC-Type Examination Certificate CESI 15ATEX037

Equipment: Lighting fixtures series VIXLU..

Manufacturer: CORTEM S.p.A.

Address: Via Aquileia 10, Villesse (Gorizia) - Italy

Admitted variation

- New Ambient Temperature $T_a = -20^\circ\text{C} \div +55^\circ\text{C}$ (for galvanized or painted steel body)
- New Ambient Temperature $T_a = -40^\circ\text{C} \div +55^\circ\text{C}$ (for stainless steel body)
- New fixing dimension

Equipment description

Lighting fixtures series VIXLU.. shall include the following marking:



II 2GD
Ex e mb IIC T4 Gb
Ex tb IIIC T70°C, Db
IP66

Electrical characteristics

- Ambient Temperature $-20^\circ\text{C} \div +55^\circ\text{C}$ (for galvanized or painted steel body)
 - Ambient Temperature $-40^\circ\text{C} \div +55^\circ\text{C}$ (for stainless steel body)
- Unchanged the other characteristics

This extension and annexed descriptive documents must be annexed to the EC-Type Examination Certificate CESI 15ATEX037

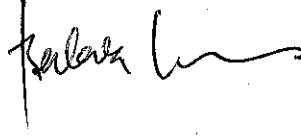
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Date 25/01/2016 - Translation issued the 25/01/2016

Prepared
Sergio Mezzetti



Verified
Mirko Balaz



Approved
Roberto Piccin

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Capitale sociale € 8.550.000 interamente versato
C.F. e numero iscrizione Reg. Imprese di Milano 00793580150
P.I. IT00793580150
N. R.E.A. 429222

EXTENSION n. 01/16

to EC-Type Examination Certificate CESI 15ATEX037

Cable entries

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

Temperature class and maximum surface temperature:

The following table shows the Temperature Class and the Max. Surface Temperature, depending of the max ambient temperature admitted.

Lighting fixture	Ambient Temperature	temp. Class	Max.. Surface Temperature
With fluorescent lamp VIXLU -118 VIXLU -218 VIXLU -136 VIXLU -236	- 20°C ÷ +55°C (for galvanized or painted steel body) - 40°C ÷ +55°C (for stainless steel body)	T4	T70 °C

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

Warning label

unchanged

Report n. EX- B6001667

Routine tests

The dielectric test with applied voltage shall be performed on the lighting fixtures series VIXLU... at 1,5 KV between the terminals and earth. (according to clause 7.1 of the EN 60079-7)

Descriptive documents (prot. EX- B6001668)

- Technical Note Nr. A4-6315 (2 sheets)	Rev. 1	dated	30/07/2015
- Drawing n. A1-6316	Rev. 1	dated	30/07/2015
- Drawing n. A3-6319	Rev. 1	dated	30/07/2015
- Safety Instruction F 416 (7 sheets)	Rev. 1	dated	30/07/2015
- Fac-simile Declaration of Conformity 0191		dated	30/07/2015

One copy of all documents is kept in CESI files.

Special conditions for safe use

None

Essential Health and Safety Requirements

Covered by compliance to the following standards:

EN 60079-0: 2012	Electrical apparatus for explosive gas atmospheres: General requirements
EN 60079-0/A11: 2013	Electrical apparatus for explosive gas atmospheres: General requirements
EN 60079-7: 2007	Explosive atmospheres: increased safety "e"
EN 60079-18: 2009	Explosive atmospheres: protection by encapsulation "m"
EN 60079-31: 2014	Equipment dust ignition protection by enclosure "t"

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