

CESI

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Capitale sociale 8 550 000 €
interamente versato
Codice fiscale e numero
iscrizione CCIAA 00793580150

Registro Imprese di Milano
Sezione Ordinaria
N. R.E.A. 429222
P.I. IT00793580150

Schema di certificazione

CESI-ATEX

Il CESI è stato autorizzato dal governo italiano ad operare quale organismo di certificazione di apparecchi e sistemi destinati a essere utilizzati in atmosfera potenzialmente esplosiva con D.M. 1/3/1983, D.M. 19/6/1990, D.M. 20/7/1998, D.M. 27/9/2000 e D.M. 02/02/2006

CERTIFICATE



EC-TYPE EXAMINATION CERTIFICATE

- [1] **Equipment or Protective System intended for use in potentially explosive atmospheres Directive 94/9/EC**
- [2] EC-Type Examination Certificate number:
CESI 09 ATEX 024X
- [4] Equipment: Fluorescent lighting fitting, series AVND
- [5] Manufacturer: **COR.TEM S.p.A.**
- [6] Address: Via Aquileia 10, I-34070 Villesse (Gorizia), 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-A9013214.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 61241-0:2006 EN 61241-1:2004
- [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:

II 2D Ex tD A21 IP 65 T65°C ÷ T80°C

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

Date 06 May 2009 - Translation issued the 06 May 2009

Prepared
Mirko Balaz

Approved
Fiorenzo Bregani

CESI S.p.A.
Divisione Energia
"Area Tecnica Certificazione"
Responsabile

[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 09 ATEX 024X**

[15] **Description of equipment**

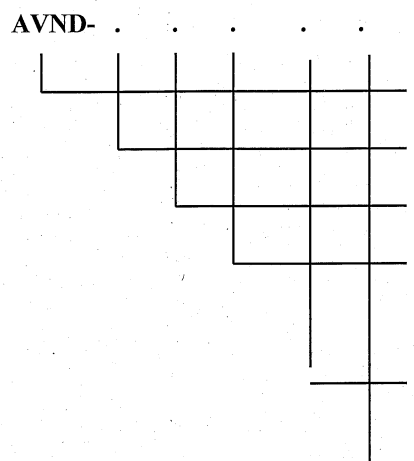
The fluorescent lighting fitting series AVND are made by a body in polyester resin reinforced by glass fibre and by a transparent part in polycarbonate.

The fluorescent lighting fittings are made in two versions:

- for normal service
- for normal service and/or emergency service

The luminaries series AVND are suitable for use of tubular fluorescent lamps with bi-pin cap G13.

The luminaries series AVND are identified by a code as follows:



code of the series

1, 2 (number of lamps)

18, 36, 58 (lamp power [W])

Blank (luminaries for normal service)

EF (luminaries for normal + emergency service)

EE (luminaries for emergency service only)

4, 7 (capacity of the battery in Ah)

S added only for spesila voltage 110/230V

Electrical characteristics

Standard version:

Rated power 18 W; 36 W; 58W; 2x18 W; 2x36 W; 2x58 W

Rated voltage: 230V ac/dc

Working voltage: 198÷264 Vac; 198÷254 Vdc

Rated frequency (ac) 50/60 Hz

Alternative version (on request)

Rated power 18 W; 36 W; 2x18 W; 2x36 W

Rated voltage: 110/230V

Working voltage: 100÷264Vac; 110÷264 Vdc

Rated frequency (ac) 50/60 Hz

Degree of protection IP 66 (EN 60529)

Ambient temperature -25 ÷ +40 °C

-25 ÷ +50 °C

Ni-Cd battery:

- rated voltage 6 V

- capacity 4 or 7 Ah

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[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE n. CESI 09 ATEX 024X**

[15] **Description of equipment (follows)**

The maximum surface temperature of luminaries is in the function of the ambient temperature.

For all sizes of lighting fitting, AVND-; AVND-..EF.. and AVND-..EE..

Max. surface temperature	Ambient temperature
T 65 °C	- 25 °C ÷ + 40 °C
T 80 °C	- 25 °C ÷ + 50 °C

Cable entries

The accessories used for cable entries and for unused holes shall be subject to separate certification in compliance to the following Standards EN 61241-0 and EN 61241-1 and shall guarantee a minimum degree of protection IP65.

Warning label

For all types:

“Do not open when energized.”

Warning label – refer to emergency lighting

“DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT”

[16] **Report n. EX-A9013214**

Routine tests

The manufacturer shall carry out the routine tests prescribed at paragraph 24 of the EN 61241-0 Standards.

Descriptive documents (prot. EX-A9013217)

- n° A4-5270 Rev. 0	(3 pg.)	dated	06.04.2009
- n° A1-5276 Rev. 0	(1 sheets)	dated	06.04.2009
- n° A4-5277 Rev. 0		dated	06.04.2009
- Safety instructions F-332 Rev.0	(6 pg.)	dated	06.04.2009
- EC declaration of conformity CE n° 0073		dated	06.04.2009

One copy of all documents is kept in CESI files.

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

The fluorescent lighting fitting series AVND must be installed in such a way as to avoid the high risk of mechanical danger.

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

Assured by compliance to the Standards.