



EU-TYPE EXAMINATION CERTIFICATE

- 1)
- 2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU
- 3) EU-Type Examination Certificate Number : **SCA19ATEX015X/Rev.01** (for revision detail see cl.20)
- 4) Equipment or Protective System : **Tubular Lamp** TYPE: **ZNF.X Series**
- 5) Manufacturer : ZONE Elektrik Mak. Müh. İmalat San. Tic. Ltd. Şti.
- 6) Manufacturer Address : Şekerpınar Mahallesi, Anadolu Cad. NO:8/A Çayırova-Kocaeli/TURKEY
- 7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents therein referred to.
- 8) SCA Belgelendirme ve Özel Egt. Hizm. Ltd. Sti. Notified Body number 2336 in accordance with the Council Directive 2014/34/EU, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in 2014/34/EU.

* The examination and test results are recorded in the confidential report **B/2020-09-130/Rp.03**
- 9) Essential Health and Safety Requirements is made about reference standards.

EN IEC 60079-0:2018, EN 60079-1:2014, 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 of safe use specified in the schedule to this certificate.
- 11) This EU-Type examination certificate relates only to the design and construction of the specified equipment or protective equipment in the scope of 2014/34/EU. Future requirements of the Directive applies to the production process and the provision of equipment or protective system. These are not discussed in this certificate.
- 12) Marking of the equipment or protective system must include the following :



II 2G Ex db IIB T6 Gb
II 2D Ex tb IIIC T85°C Db

The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU



Date of Approval : 12.01.2021



13) SCHEDULE

14) EU-Type Examination Certificate: SCA19ATEX015X/Rev.01

15) Description of Equipment and/or Protective System:

ZNF.X SERIES type tubular lamp comprises a lamp tube assembly with two end caps. The housing consists of a transparent polycarbonate tube with aluminium end caps. The electronics are located within the flameproof enclosure. Tube and end caps sealed with cemented joint. Both end caps connected together by two 6 mm diameter tie bars, therefore compressing the tube and cemented joints between caps.

The equipment is intended for fixed installation.

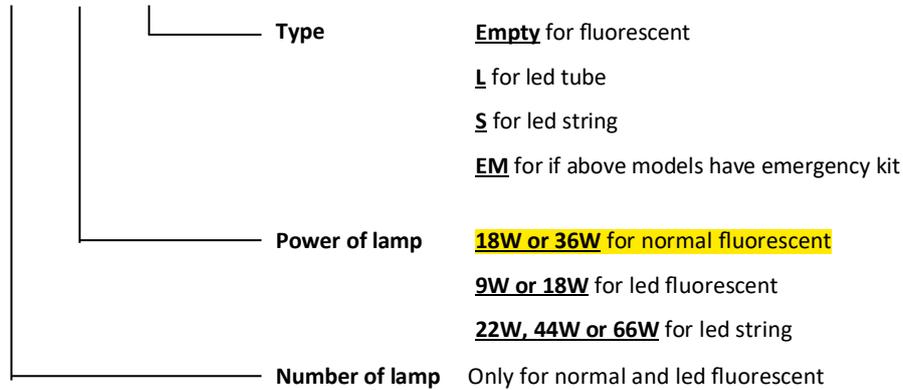
The equipment has normal fluorescent lamp, led fluorescent lamp, led string and optional emergency kit variations.

Technical Parameters

Lampholder type : T8
Rated voltage : **For fluorescent lamp types 110/240 V**, for led string type 220/240V
Rated frequency : 50/60 Hz
Rated power : For normal fluorescent 2x36W and 2x18W, For led fluorescent 2x18W and 2x9W
For led string type 22W, 44W and 66W
Ambient temperature : -20°C to +55°C

Identification of Type Codes

ZNF. 2 x



16) Test and Assessment Report B/2020-09-130/Rp.03

Complied with IP66 degree of protection.

The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU

Date of Approval : 12.01.2021



CONTINUATION OF SCHEDULE TO EU TYPE EXAMINATION CERTIFICATE SCA19ATEX015X/Rev.01

17) Special Conditions for Safe Use :

The cable glands used for cable entries and plugs for unused holes on equipment must have to following parameters and certification:

- “Ex db IIB Gb and Ex tb IIIC Db ” protection according to EN 60079-0, EN 60079-1, EN 60079-31
- Minimum degree of protection IP 66 according to EN 60529
- Threaded entry size shall be in accordance with technical file and technical drawings

Notes for manufacturing and operation

- The manufacturer shall carry out the routine overpressure test according to EN 60079-1:2014 Clause 16
- The manufacturer shall mark with “WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS” on equipment .

18) Essential Health and safety Requirements :

Met by compliance with the standards listed in Section 9 of this certificate.

19) Drawings and Documents :

Technical file ZN-F-19/Rev.01 dated 22.09.2020 includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Title	Rev.	Date
Z-01NF-1-602	General Assembly	00	14.01.2018
Z-01NF-1-603	Part List	00	14.01.2018
Z-01NF-1-604	Flame Path	00	14.01.2018
Z-01NF-2-500/501	Main Body	00	14.01.2018
Z-01NF-2-503	Cover	00	14.01.2018
Z-01NF-2-504-a/b	Glasses	00	14.01.2018
Z-01NF-2-505-a/b	Tie bars	00	14.01.2018

20) Certificate History :

Revision Number	Publication Date	Explanation
Rev.00	23.07.2019	First Publication
Rev.01	12.01.2021	Published for the technical revisions

The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU

Date of Approval : 12.01.2021