



## 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 : **SCA21ATEX085X**
- 4) Equipment or Protective System : **Led Projector**, TYPES: **ZNL.X Series** (ZNL-50, ZNL-75, ZNL-100, ZNL-120, ZNL-140)
- 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 **A/2019-03-035/Rp.04**
- 9) Essential Health and Safety Requirements is made about reference standard.  
  
**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 T5 Gb**  
**II 2D Ex tb IIIC T100°C Db**

**The competent person**  
**SCA Technical Manager**  
**İsmail OĞLAKCIOĞLU**



**Date of Approval : 02.03.2021**

SCA Belgelendirme ve Özel Eğitim Hizmetleri Ltd. Sti.  
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This Certificate May Only Be Reproduced In Its Entirety And Without Change



## 13) SCHEDULE

### 14) EU-Type Examination Certificate: SCA21ATEX085X

### 15) Description of Equipment and/or Protective System:

ZNL.X series led projector consist of an aluminium alloy body, threaded rear and front covers and fitted with a temperature resistant 10 mm glass sealed to the body.  
The led driver mounted inside a flameproof enclosure.

#### Technical Parameters

Rated voltage	: 220-240 VAC
Rated frequency	: 50/60 Hz
Rated power	: 50W, 75W, 100W, 120W, 140W
Degree of protection	: IP 66
Ambient temperature	: -20°C to +55°C

### 16) Test and Assessment Report A/2019-03-035/Rp.04

### 17) Special Conditions for Safe Use (X):

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 IEC 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

### 18) Essential Health and safety Requirements :

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

**The competent person**  
SCA Technical Manager  
İsmail OĞLAKCIOĞLU

Date of Approval : 02.03.2021



## CONTINUATION OF SCHEDULE TO EU TYPE EXAMINATION CERTIFICATE SCA21ATEX085X

### 19) Drawing and Documents :

Technical file ZN-L-19/Rev.00 dated 10.12.2019 includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Title	Rev.	Date
Z-01NL-1-001	Body Side View	00	01.11.2019
Z-01NL-1-002	General Assembly	00	27.11.2019
Z-01NL-1-003	Flame Paths	00	01.11.2019
Z-01NL-1-004	Body for ZNL-100, ZNL-120, ZNL-140	00	05.11.2019
Z-01NL-1-005	Cover for ZNL-100, ZNL-120, ZNL-140	00	05.11.2019
Z-01NL-1-006-A	Ballast Cover A for ZNL-100, ZNL-120, ZNL-140	00	10.11.2019
Z-01NL-1-006-B	Ballast Cover B for ZNL-100, ZNL-120, ZNL-140	00	10.11.2019
Z-01NL-1-007	Glass for ZNL-100, ZNL-120, ZNL-140	00	10.11.2019
Z-01NL-1-008	Ring for Glass for ZNL-100, ZNL-120, ZNL-140	00	10.11.2019
Z-01NL-1-009	O-ring for ZNL-100, ZNL-120, ZNL-140	00	10.11.2019
Z-01NL-1-0010	Body for ZNL-50 and ZNL-75	00	15.11.2019
Z-01NL-1-011	Cover for ZNL-50 and ZNL-75	00	15.11.2019
Z-01NL-1-012	Ballast Cover for ZNL-50 and ZNL-75	00	15.11.2019
Z-01NL-1-013	Glass for ZNL-50 and ZNL-75	00	15.11.2019
Z-01NL-1-014	Ring for Glass for ZNL-50 and ZNL-75	00	15.11.2019
Z-01NL-1-015	O-ring for ZNL-50 and ZNL-75	00	15.11.2019

**The competent person**  
**SCA Technical Manager**  
**İsmail OĞLAKCIOĞLU**

**Date of Approval : 02.03.2021**