



## 1) TYPE EXAMINATION CERTIFICATE

- 2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU
- 3) Type Examination Certificate Number : **SCA21ATEXV012X**
- 4) Equipment: OPUS Exo Series Led Luminaire, TYPES: **OPUS-E0600EXO, OPUS-E0900EXO, OPUS-E1200EXO, OPUS-E1500EXO**
- 5) Manufacturer : **Arlight Aydınlatma A.Ş.**
- 6) Manufacturer Address : Saray Mahallesi 205 Sok. No.4, 06980, Kahramankazan, Ankara/TURKEY
- 7) Equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- 8) SCA Belgelendirme ve Özel Egt. Hizm. Ltd. Sti. Certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 2014/34/EU of the European Parliament and of the Council, 26 February 2014.  
The examination and test results are recorded in the confidential report **V/2020-02-032-1/Rp.04**
- 9) Essential Health and Safety Requirements is made about reference standards.  
**EN 60079-0:2018, EN IEC 60079-15:2019, 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) Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.
- 12) The marking of the equipment shall include the following :



**II 3G Ex nR IIC T6 Gc**  
**II 3D Ex tc IIIC T85°C Dc**

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

**Date of Approval : 06.12.2021**

### 13) SCHEDULE

14) Type Examination Certificate : SCA21ATEXV012X

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

Led Luminaires are suitable for illumination of hazardous areas which are used in Category 3D and 3G. The luminaire comprise of an aluminium enclosure fitted with opal white polycarbonate diffuser that incorporates a gasket for sealing and an aluminium frame. The luminaire has different driver types and also emergency kit as optional.

#### Technical Parameters

**Rated voltage** : 220-240 VAC  
**Rated power** : From 19W to 64W  
**Rated frequency** : 50/60 Hz  
**Degree of protection** : IP 66  
**Ambient temperature** : -25°C to +40°C  
+5°C to +30°C for emergency kit version

Model	Driver Type	Current (mA)	Power (W)
OPUS-E0600EXO	On-Off or Dali Dim	350	19
	On-Off or Dali Dim	500	26
OPUS-E0900EXO	On-Off or Dali Dim	350	27
	On-off EMK or On-off Traceable EMK		30
	On-Off or Dali Dim	500	35
	On-off EMK or On-off Traceable EMK		38
OPUS-E1200EXO	On-Off or Dali Dim	350	34
	On-off EMK or On-off Traceable EMK		37
	On-Off or Dali Dim	500	49
	On-off EMK or On-off Traceable EMK		52
OPUS-E1500EXO	On-Off or Dali Dim	350	44
	On-off EMK or On-off Traceable EMK		47
	On-Off or Dali Dim	500	61
	On-off EMK or On-off Traceable EMK		64

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## CONTINUATION OF SCHEDULE TO TYPE EXAMINATION CERTIFICATE SCA21ATEXV012X

16) **Test and Assessment Report** V/2020-02-032-1/Rp.04

Complied with IP66 degree of protection.

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 nR" and "Ex tc" or "Ex eb" protection type
- Minimum degree of protection IP 66 according to EN 60529
- Threaded entry size shall be in accordance with technical file and technical drawings

Tamb: -25°C to +40°C

+5°C to +30°C for emergency kit version

Notes for manufacturing and operation

Not subject to routine pressure testing.

(According to EN IEC 60079-15:2019 article 11.3.2.1.1 "Type test only without additional routine test". Test report: V/2020-02-032-1/Rp.03 - 13.10.2021)

18) **Essential Health and safety Requirements :**

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

19) **Drawings and Documents :**

Technical files E0600EXO, E0900EXO, E1200EXO and E1500EXO which dated 31.05.2021, includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Pages	Title	Rev.	Date
134071-1	1	OPUS-E0600EXO On-Off Drawing	00	26.05.2021
134071-2	1	OPUS-E0600EXO Dali Dim Drawing	00	26.05.2021
134071-3	1	OPUS-E0600EXO Detailed Drawing 1	00	26.05.2021
134071-4	1	OPUS-E0600EXO Detailed Drawing 2	00	26.05.2021
134071-6	1	OPUS-E0600EXO Nameplate	00	26.05.2021

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Drawing No:	Pages	Title	Rev.	Date
134071-8	1	OPUS-E0600EXO Connection Scheme	00	19.04.2021
113199	1	OPUS-E0600EXO Led Scheme (48V-64)	00	04.11.2019
114254	1	OPUS-E0600EXO Body	00	18.09.2018
114256	1	OPUS-E0600EXO Lens	00	18.05.2018
127523-1	1	OPUS-E0900EXO On-Off and Dali Dim Drawing	00	26.05.2021
127523-2	1	OPUS-E0900EXO Traceable On-Off Drawing	00	26.05.2021
127523-3	1	OPUS-E0900EXO Detailed Drawing 1	00	26.05.2021
127523-4	1	OPUS-E0900EXO Detailed Drawing 2	00	26.05.2021
127523-8	1	OPUS-E0900EXO Nameplate	00	26.05.2021
127523-10	1	OPUS-E0900EXO Connection Scheme	00	19.04.2021
110110	1	OPUS-E0900EXO Led Scheme (48V-64)	00	19.11.2019
110202	1	OPUS-E0900EXO Led Scheme (24V-32)	00	10.04.2020
115088	1	OPUS-E0900EXO Body	00	04.07.2018
115091	1	OPUS-E0900EXO Lens	00	04.07.2018
128669-1	1	OPUS-E1200EXO On-Off and Dali Dim Drawing	00	26.05.2021
128669-2	1	OPUS-E1200EXO Traceable On-Off Drawing	00	26.05.2021
128669-3	1	OPUS-E1200EXO Detailed Drawing 1	00	26.05.2021
128669-4	1	OPUS-E1200EXO Detailed Drawing 2	00	26.05.2021
128669-8	1	OPUS-E1200EXO Nameplate	00	26.05.2021
128669-10	1	OPUS-E1200EXO Connection Scheme	00	19.04.2021
110110	1	OPUS-E1200EXO Led Scheme (48V-64)	00	19.11.2019
114985	1	OPUS-E1200EXO Body	00	27.06.2018
114990	1	OPUS-E1200EXO Lens	00	27.06.2018
134003-1	1	OPUS-E1500EXO On-Off and Dali Dim Drawing	00	26.05.2021
134003-2	1	OPUS-E1500EXO Traceable On-Off Drawing	00	26.05.2021

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Drawing No:	Pages	Title	Rev.	Date
134003-3	1	OPUS-E1500EXO Detailed Drawing 1	00	26.05.2021
134003-4	1	OPUS-E1500EXO Detailed Drawing 2	00	26.05.2021
134003-8	1	OPUS-E1500EXO Nameplate	00	26.05.2021
134003-10	1	OPUS-E1500EXO Connection Scheme	00	19.04.2021
113199	1	OPUS-E1500EXO Led Scheme (48V-64)	00	04.11.2019
113205	1	OPUS-E1500EXO Led Scheme (24V-32)	00	04.11.2019
114961	1	OPUS-E1500EXO Body	00	26.06.2018
114963	1	OPUS-E1500EXO Lens	00	26.06.2018
110019	1	Body End Cap Drawing	00	22.10.2019
109910	1	End Cap Gasket	00	16.11.2018

.....END OF CERTIFICATE.....

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**SCA Technical Manager**  
**İsmail OĞLAKCIOĞLU**

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