



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 : **SCA20ATEXV006X/Rev.01** (for revision detail see cl.20)
- 4) Equipment : Led Luminaire, TYPES: FALCON-S0415FEX (The type description is in the schedule)
- 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/2019-08-122/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...T5 Gc

II 3D Ex tc IIIC T85°C...T100°C Dc

The competent person
SCA Technical Manager
İsmail OĞLAKCIOĞLU

Date of Approval : 08.02.2021

SCA Belgelendirme ve Özel Eğitim Hizmetleri Ltd. Sti.
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13) SCHEDULE

14) Type Examination Certificate : SCA20ATEXV006X/Rev.01

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. FALCON-S0415FEX series led luminaires has 2 parts: luminaire and driver box.

The luminaire comprise of an aluminium enclosure fitted with 4mm tempered glass and optical lens that incorporates a gasket for sealing and an aluminium frame.

The driver enclosure is cast from an aluminium alloy

Technical Parameters

Rated voltage : 220-240 VAC
Rated power : From 105W to 180W
Rated frequency : 50/60 Hz
Degree of protection : IP 66
Ambient temperature : -25°C to +40°C

Temperature Classes

Temperature classes depends on the model/led type

Temperature class	T6 / T85°C	T5 / T100°C
Model	Outdoor	Indoor

Type Coding Of Luminaire

LNS2XX.1.Y.FF.00



Description of Y (driver type):

1 for Non-dimmable model
6 for Dimmable model (DALI)

Indoor Led Type : Samsung LM561B+

Outdoor Led Type : Samsung LM301B


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CONTINUATION OF SCHEDULE TO TYPE EXAMINATION CERTIFICATE SCA20ATEXV006X/Rev.01

Description of XX (Model Number)

XX	Power	Led Type	Mounting Type
50	105W	Indoor	M1-Pendant
51	105W	Outdoor	M1-Pendant
52	150W	Outdoor	M1-Pendant
53	150W	Indoor	M1-Pendant
54	180W	Outdoor	M1-Pendant
55	180W	Indoor	M1-Pendant
56	105W	Indoor	M2-Cable channel
57	105W	Outdoor	M2-Cable channel
58	150W	Indoor	M2-Cable channel
59	150W	Outdoor	M2-Cable channel
60	180W	Outdoor	M2-Cable channel
61	180W	Indoor	M2-Cable channel
62	105W	Outdoor	M3-Surface mounted
63	105W	Indoor	M3-Surface mounted
64	150W	Outdoor	M3-Surface mounted
65	150W	Indoor	M3-Surface mounted
66	180W	Indoor	M3-Surface mounted
67	180W	Outdoor	M3-Surface mounted
68	105W	Outdoor	M5-Busbar
69	105W	Indoor	M5-Busbar
70	150W	Indoor	M5-Busbar
71	150W	Outdoor	M5-Busbar
72	180W	Outdoor	M5-Busbar
73	180W	Indoor	M5-Busbar

16) **Test and Assessment Report** V/2019-08-122/Rp.04

Complied with IP66 degree of protection.

The competent person
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CONTINUATION OF SCHEDULE TO TYPE EXAMINATION CERTIFICATE SCA20ATEXV006X/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 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

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/2019-08-122/Rp.03 - 28.02.2020)

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 S0415FEX/Rev.01 dated 28.12.2020 includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Pages	Title	Rev.	Date
124318-1	1	Luminaire Enclosure	00	24.09.2019
103911	1	Optical Lens	00	17.07.2017
104009	1	Frame	00	27.12.2016
103880	1	Glass	00	27.12.2016
125867-1	1	Driver Box Assembly	01	28.12.2020
125867-2	1	Driver Box Painting Detail	01	28.12.2020
125867-4	1	Driver Box Installation Detail	00	28.12.2020
103770	1	Silicon Gasket	00	17.07.2017

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Drawing No:	Pages	Title	Rev.	Date
103912	1	Gasket Between Lens and Glass	00	27.12.2016
128303-1	1	Indoor, M1-Pendant Assembly	01	28.12.2020
128303-2	1	Indoor, M2-Cable Channel Assembly	01	28.12.2020
128303-3	1	Indoor, M3-Surface Mounted Assembly	01	28.12.2020
128303-4	1	Indoor, M5-Busbar Assembly	01	28.12.2020
128303-5	1	Indoor Label	00	24.09.2019
128303-8	1	Indoor Detailed	01	28.12.2020
128303-10	1	Indoor General Assembly	01	28.12.2020
103909	1	Indoor LED scheme	00	24.09.2019
124317-1	1	Outdoor, M1-Pendant Assembly	01	28.12.2020
124317-2	1	Outdoor, M2-Cable Channel Assembly	01	28.12.2020
124317-3	1	Outdoor, M3-Surface Mounted Assembly	01	28.12.2020
124317-4	1	Outdoor, M5-Busbar Assembly	01	28.12.2020
124317-5	1	Outdoor Label	00	24.09.2019
124317-8	1	Outdoor Detailed	01	28.12.2020
124317-10	1	Outdoor General Assembly	01	28.12.2020
128453	1	Outdoor LED scheme	00	24.09.2019

20) Certificate History :

Revision Number	Publication Date	Explanation
Rev.00	14.05.2020	First Publication
Rev.01	08.02.2021	Published for the technical revisions



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SCA Technical Manager
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