



TYPE EXAMINATION CERTIFICATE

- 1)
- 2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU
- 3) Type Examination Certificate Number : **SCA25ATEXV063X**
- 4) Equipment or Protective System : **PRL V.3 EX Z2.21 Exproof LED Luminaire**
Types: PRL075Z, PRL098Z, PRL132Z, PRL157Z, PRL200Z
- 5) Manufacturer : **EAE Elektrik Aydınlatma End. San. Ve Tic. A.Ş.**
- 6) Manufacturer Address : Organize Sanayi Bölgesi Mahallesi, 14 Sokak, Fabrika Binası (A+B+C Blok), No: 3/1, Dilovası - KOCAELİ/TÜRKİYE
- 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 Eğt. Hizm. Ltd. Şti. 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/2025-05-094/02/Rp.02
- 9) Essential Health and Safety Requirements is made about reference standards.

EN IEC 60079-0:2018 , EN 60079-7:2015/A1:2018
- 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) Marking of the equipment or protective system must include the following :



II 3G Ex ec IIC T6...T5 Gc

The competent person
SCA Technical Manager
Emre KOCUKLU

Date of Approval : 13.02.2026

SCA Belgelendirme ve Özel Eğitim Hizmetleri Ltd. Şti.
Küçükçiftlik Mah. 8785/1 Sokak No:17 Çiğli -İZMİR / TÜRKİYE
Phone: 0090 (232) 489 02 12 Fax: 0090 (232) 489 02 17
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13) SCHEDULE

14) Type Examination Certificate: SCA25ATEXV063X

15) Description of Equipment and/or Protective System:

The PRK Series Exproof LED Luminaire is designed for using in an explosive atmosphere. The equipment is mainly composed of an enjection aluminium alloy body with an external polyester powder coating to provide mechanical robustness and corrosion resistance. The optical plastic parts are made of transparent polycarbonate. All gaskets are silicone gasket. The enclosure is secured using stainless steel bolts.

Technical Parameters

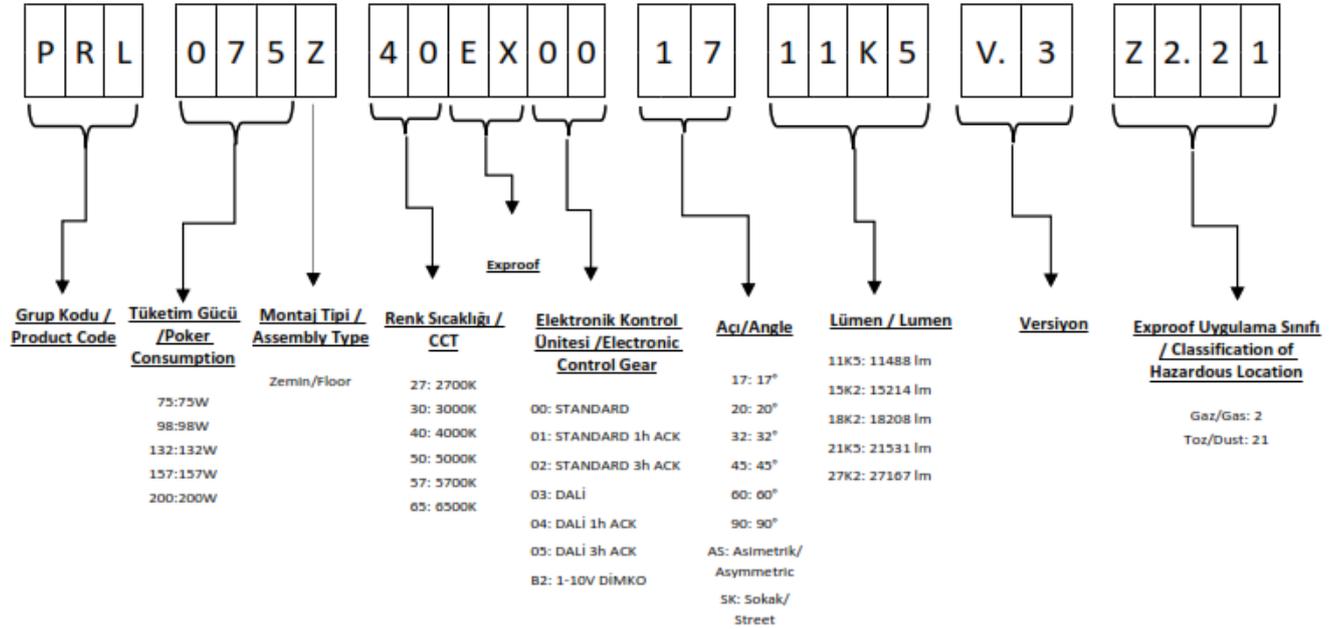
Rated voltage : 220-240 V

Rated frequency : 50-60 Hz

Rated power : 75 W/98 W/132 W/157 W/200 W

Ambient temperature : -30 °C to +40 °C/+45 °C/+55 °C (See Section 17 of this certificate)

Identification of Type Codes



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CONTINUATION OF SCHEDULE TO TYPE EXAMINATION CERTIFICATE SCA25ATEXV063X

Ambient temperature ranges and temperature classes vary with "Electronic Control Gear" codes in the model definition.

Electronic control gear code	Ambient temperature	Temperature class	Maximum surface temperature
PRL075Z(75 W)			
00	-30°C to +55°C	T6	80°C
01	0°C to +55°C	T6	80°C
02	0°C to +55°C	T6	80°C
03	-30°C to +55°C	T6	80°C
04	0°C to +55°C	T6	80°C
05	0°C to +55°C	T6	80°C
B2	-30°C to +55°C	T6	80°C
PRL098Z(98 W)			
00	-30°C to +55°C	T5	90°C
01	0°C to +50°C	T6	85°C
02	0°C to +50°C	T6	85°C
03	-30°C to +55°C	T5	90°C
04	0°C to +50°C	T6	85°C
05	0°C to +50°C	T6	85°C
B2	-30°C to +55°C	T5	90°C
PRL132Z(132 W)			
00	-30°C to +40°C	T6	85°C
01	0°C to +40°C	T6	85°C
02	0°C to +40°C	T6	85°C
03	-30°C to +40°C	T6	85°C
04	0°C to +40°C	T6	85°C
05	0°C to +40°C	T6	85°C
B2	-30°C to +40°C	T6	85°C

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Ambient temperature ranges and temperature classes vary with "Electronic Control Gear" codes in the model definition.

Electronic control gear code	Ambient temperature	Temperature class	Maximum surface temperature
PRL157Z(157 W)			
00	-30°C to +40°C	T6	85°C
01	0°C to +40°C	T6	85°C
02	0°C to +40°C	T6	85°C
03	-30°C to +40°C	T6	85°C
04	0°C to +40°C	T6	85°C
05	0°C to +40°C	T6	85°C
B2	-30°C to +40°C	T6	85°C
PRL200Z(200 W)			
00	-30°C to +40°C	T6	85°C
03	-30°C to +40°C	T6	85°C
B2	-30°C to +40°C	T6	85°C

Ex Equipment List

Equipment	Manufacturer	Ex Marking	Certificate No
Cable Gland	Bimed	Ex II 2D Ex tb IIIC Db	CESI 13 ATEX 033 X
Cable Gland	Bimed	Ex II 2D Ex tb IIIC Db	IMQ 13 ATEX 018 X
Cable Gland	Bimed	Ex II 2D Ex tb IIIC Db	IMQ 13 ATEX 011 X
Cable Gland and Stopping Plug	Bimed	Ex II 2D Ex tb IIIC Db	IMQ 13 ATEX 010 X
Adaptors and	Bimed	Ex II 2D Ex tb IIIC Db	CESI 13 ATEX 066 X
Breathing and Draining Device	W.L Gore & Associates	Ex II 2D Ex tb IIIC Db	IBExU 16 ATEX 1193 U

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16) **Test and Assessment Report** V/2025-05-094/02/Rp.02

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

- i. End users shall use Ex-certified cable glands and blanking elements with suitable type of protection for installation purpose. Minimum degree of protection shall be IP 66 in accordance with EN 60529.
- ii. The equipment shall be installed in a way that is not exposed to any electrostatic charging mechanisms. Cleaning is permitted only with a damp cloth.
- iii. Ambient temperature range depends on the model variations. The manufacturer shall write ambient temperature range on the nameplate.
- iv. In the event of installation, disassembly, maintenance or repair, the gaskets shall be checked and replaced if found degraded. Contact the manufacturer for information on gaskets.

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

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

19) **Drawing and Documents :**

Technical file 2025-EAE2-01/Rev.00 dated 18.05.2025 includes drawings, safety, maintenance and mounting instructions.

Drawing No	Title	Pages	Rev.	Date
1016706 R1	PRL II CERCEVE HAM	01	01	05.02.2024
1016711 R0	PROLIT V3 CAM EXPROOF	01	00	07.02.2025
1016712 R1	PRL II FITIL CONTA	01	01	05.02.2024
1027117 R0	PRK EX ELK KPK CONTA	01	00	07.02.2025
1027142 R0	PRL V3 EX SRC KUTU CONTA	01	00	07.02.2025
1027143 R0	PRL V3 EX SRC KUTU GVD	01	00	07.02.2025
1027144 R0	PRL V3 EX SRC HAZNE KPK	01	00	07.02.2025
1044174.R0	CONTA 6*2 ORING SILIKON SARI 70 SHORE	01	00	20.02.2025
1058463 R0	LENS SNL MLT MP PC 15 24L 50x50	01	00	10.02.2025
1058464 R0	LENS SNL MLT MP PC 20 24L 50x50	01	00	10.02.2025

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1058465 RO	LENS SNL MLT MP PC 30 24L 50x50	01	00	10.02.2025
1058466 RO	LENS SNL MLT MP PC 45 24L 50x50	01	00	10.02.2025
1058467 RO	LENS SNL MLT MP PC 60 24L 50x50	01	00	10.02.2025
1058468 RO	LENS SNL MLT MP PC 90 24L 50x50	01	00	10.02.2025
1058475 RO	LENS SNL MLT MP PC ASM 24L 50x50	01	00	10.02.2025
1064748 RO	PCB PRL V3 EX Z2.21 ACK 16x18 288 LED CREE J CLASS	01	00	10.02.2025
1069004 RO	LENS SNL MLT MP PC T2M 24L 50x50	01	00	12.02.2025
2069252 RO	PROLIT V3 TAKSİMAT SACI	01	00	10.02.2025
2084207 RO	PRL V3 EX GOVDE	01	00	12.02.2025
2084212 RO	PRL V3 EX AYAK TK	01	00	10.02.2025
2084213 RO	PRL V3 EX AYAK SACI	01	00	10.02.2025
2141694 RO	KLEMSAN KLEMENS RAYI 52 mm	01	00	20.02.2025
2179488 RO	PRK EXP ELK BAG KAPAK BYL M20	01	00	07.02.2025
2179488.RO	PRL-PRK V3 EX Z2.21 KAPAK İLE CONTA YA- PIŞTIRMA	01	00	17.02.2025
2186138 RO	PRL V3 EX Z2.21 SRC MNT SACI	01	00	29.04.2024
2186140 RO	PRL V3 EX Z2.21 SRC TK	01	00	07.02.2025
2186144 RO	PRL V3 EX Z2.21 GVD TK	01	00	07.02.2025
2199941 RO	PCBTK PRL V3 EX Z2.21 144CREE 40K	01	00	07.02.2025
2199942 RO	PCBTK PRL V3 EX ACK Z2.21 144CREE 40K	01	00	07.02.2025
3377278 RO	PRL 200Z 40EX00 45 28K5 V.3 Z2.21	01	00	04.02.2025
3378298 RO	PRL 098Z 40EX05 45 16K0 V.3 Z2.21	01	00	04.02.2025
3378378 RO	PRL 157Z 40EX01 45 22K6 V.3 Z2.21	01	00	04.02.2025
3378433 RO	PRL 200Z 40EXB2 45 28K5 V.3 Z2.21	01	00	05.02.2025
EAE-A-25-237-001-RO	BAĞLANTI ELEMANLARI	01	00	11.02.2025

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Drawing No	Title	Pages	Rev.	Date
EAE-A-25-237-002-R0	PRL 098Z 40EX05 45 16K0 V.3 Z2.21	01	00	13.02.2025
EAE-A-25-237-002-R0	PRL 200Z 40EXB2 45 28K5 V.3 Z2.21	01	00	11.02.2025
2184818 R0	PRL V3 EX Z2.21 ACK METAL ETIKET	01	00	05.02.2025
2186134 R0	PRL V3 EX Z2.21 METAL ETIKET	01	00	05.02.2025
2186134 R0	PRL V3 EX Z2.21 Belge Etiketi 2	01	00	08.04.2025
2184818 R0	PRL V3 EX Z2.21 Belge Etiketi 4	01	00	08.04.2025
2199941 R0	PCBTK PRL V3 EX Z2.21 144CREE 40K	01	00	07.02.2025
2199942 R0	PCBTK PRL V3 EX ACK Z2.21 144CREE 40K	01	00	07.02.2025
3377278 R0	PRL 200Z 40EX00 45 28K5 V.3 Z2.21	01	00	04.02.2025
3378298 R0	PRL 098Z 40EX05 45 16K0 V.3 Z2.21	01	00	04.02.2025
3378378 R0	PRL 157Z 40EX01 45 22K6 V.3 Z2.21	01	00	04.02.2025
3378433 R0	PRL 200Z 40EXB2 45 28K5 V.3 Z2.21	01	00	05.02.2025
EAE-A-25-237-002-R0	PRL 098Z 40EX05 45 16K0 V.3 Z2.21	01	00	13.02.2025
EAE-A-25-237-003-R0	PRL 200Z 40EXB2 45 28K5 V.3 Z2.21	01	00	13.02.2025

...END OF CERTIFICATE...

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