

[1]

## TYPE EXAMINATION CERTIFICATE

[2]

Directive 2014/34/EU

*Equipment and protective systems intended for use in potentially  
potentially explosive atmospheres.*

[3]

Type Examination Certificate Number

ACE25ATEX029X Rev00

[4]

Product

Linear Lights Model: LED-a-b-c

[5]

Manufacturer

PCA Group Sdn.Bhd.

[6]

Address

PT 3266 Jalan Mutiara, Arab-Malaysian  
Industrial Park 71800 Nilai, Negeri  
Sembilan, Malaysia

[7]

This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU.

The examination and test results are recorded in the confidential Report nº. EX\_EXE012\_25\_25-1196, EX\_EXN001\_25\_25-1196

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 Explosive atmospheres - Part 0: Equipment - General requirements

EN IEC 60079-7:2015/A1:2018 Explosive atmospheres - Part 7: Equipment protection by increased safety 'e'

EN 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by encapsulation 'n'

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.

[11]

This 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 or protective system shall include the following:



II 3G Ex ec nR IIC T4 Gc

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Date: 30/09/2025



**Advanced Consulting and Engineering  
Iberia SL**

Matteo Marconi, CEO

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[13] **SCHEDULE**

[14] TYPE EXAMINATION CERTIFICATE No: ACE25ATEX029X Rev00

[15] Description of equipment

The LED-a-b-c series Linear lights includes two parts, which are driver box and LED strip part, LED particles are designed as "ec" type and the driver box is designed as "nR" part, two parts are connected by the  $\phi 4$  cables. The LED parts have three kinds of the construction, 1. Flexible LED strip, 2. Wide flexible strip with Aluminum alloy enclosure 6063, 3. Narrow flexible strip with Aluminum alloy enclosure 6063.

LED-**a-b-c**

**a** means the construction of the light, could be R- Flexible LED strip, B- Wide flexible strip with Aluminum alloy enclosure 6063, S- Narrow flexible strip with Aluminum alloy enclosure 6063.

**b** means length of the light, could be L1:0~0.5, L2:0.5~0.8, L3:0.8~1, L4:1~1.2, L5:1.2~1.5, L6:1.5~1.8, L7:1.8~2, L8:2~2.2, L9:2.2~2.4, L10:2.4~2.6, L11:4.5-4.8 (m).

**c** means power of the light, could be W1:6W, W2:9.6W, W3:12W, W4:14.6W, W5:18W, W6:22W, W7:24 W, W8:26.4W, W9:26.8W, W10:31.2W, W11:40W, W12:80W

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[13] **SCHEDULE**

[14] TYPE EXAMINATION CERTIFICATE No: ACE25ATEX029X Rev00

[16] Test documents are listed in the test report nº  
EX\_EXE012\_25\_25-1196, EX\_EXN001\_25\_25-1196

- [17] Special conditions for safe use
1. Refer to instruction manual for the requirement of the replacement of the seal ring of the nR enclosure.
  2. The external earth connection facility shall be connected reliably.
  3. The instruction manual provided by the manufacturer must be observed.

[18] Essential Health and Safety Requirements  
Met by compliance with the standards mentioned in [9]

[19] Documents and technical datasheets:

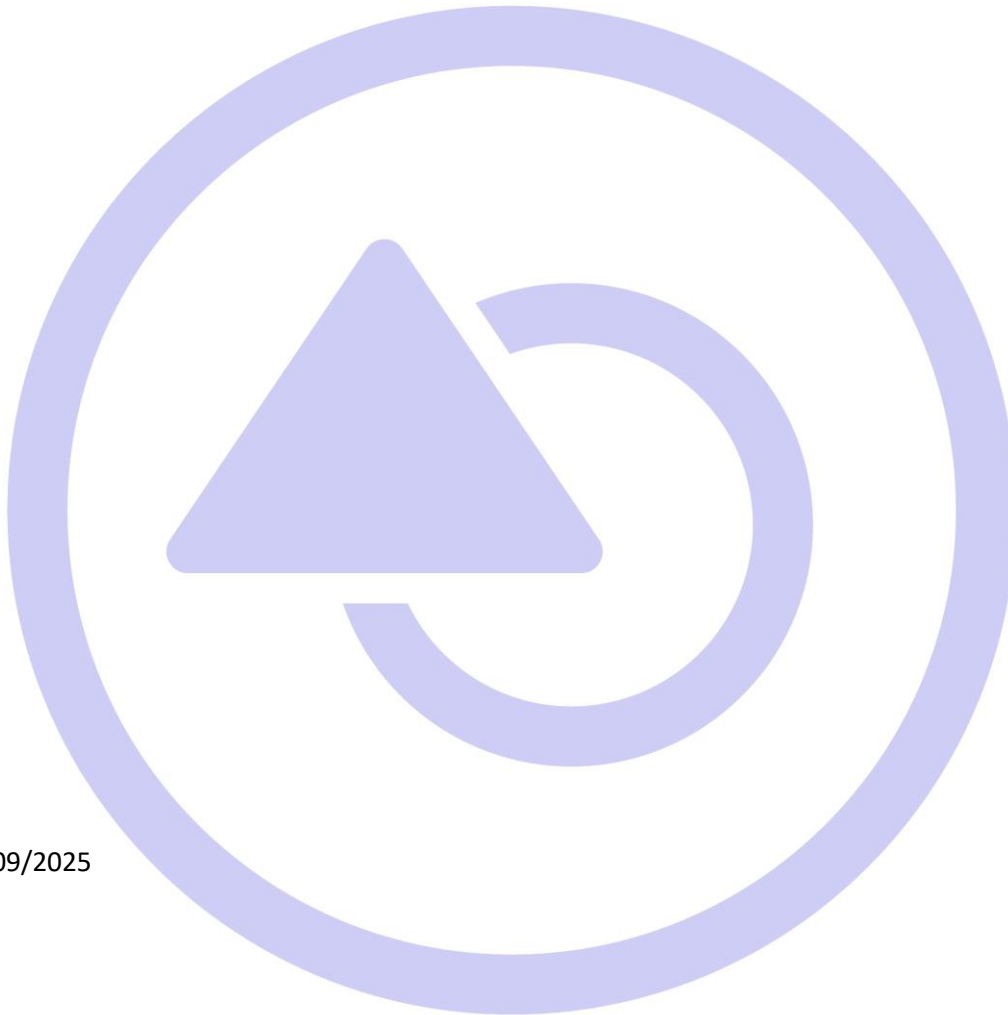
Title	Object	Revision	Date
General Assembly Drawing	LED-B-b-c-0001	Rev.1.0	2024.6.19
Power box cover	SK2-24-0013	Rev.1.0	2024.6.19
Power box case	SK2-24-0014	Rev.1.0	2024.6.19
Power box-Seal Ring	SK-21.5T-CN08	Rev.1.0	2024.6.19
Linear lights	LED-B-0001	Rev.1.0	2024.6.19
Power box nameplate	LED-B-0002	Rev.1.0	2024.6.19
General Assembly Drawing	LED-B-b-c-0002	Rev.1.0	2024.6.19
Linear lights	LED-B-0008	Rev.1.0	2024.6.19
General Assembly Drawing	LED-R-b-c-0001	Rev.1.0	2024.6.19
Linear lights	LED-R-0001	Rev.1.0	2024.6.19
Linear lights	LED-R-0066	Rev.1.0	2024.6.19
PCB	LED-R-0067	Rev.1.0	2024.6.19
Plugs	LED-R-0002	Rev.1.0	2024.6.19
Plugs	LED-R-0065	Rev.1.0	2024.6.19
LED-a-b-c USER MANUAL	LED-RBS-001	Rev.1.0	2024.6.19
IECEX Test report	IECEX Test report number: B25-391-WT Testing Laboratory: Shanghai Inspection and Testing Institute of Instruments and Automatic Systems Co.,Ltd. (SITIIAS)	00	2025.6.27

The documents above-mentioned are strictly confidential and they are of only use of authorities.  
A copy of the documents are saved by A.C.&E. Iberia S.L.

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[20] Certificate History

Number of certificate	Rev.	Comments	Date
ACE25ATEX029X	00	First emission	30/09/2025



Date: 30/09/2025



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Matteo Marconi, CEO

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