


[1] **EU - TYPE EXAMINATION CERTIFICATE**
[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU Annex III, Module B

- [3] EU – Type Examination Certificate Number ACE25ATEX018X Rev00
- [4] Product Explosion Proof light A Series
- [5] Manufacturer CRYSTAL FLASH LLC
- [6] Address ROAD NO.8, RUSAIL INDUSTRIAL CITY,
MUSCAT (SULTANATE OF OMAN)
- [7] This equipment or protective system and any acceptable variation there to 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.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive
The examination and test results are recorded in confidential Report nº. EX_EXM005_25_25-843, EX_EXE008_25_25-843, EX_EXT006_25_25-843
- [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 60079-7: 2015/A1:2018: Explosive atmospheres - Part 7: Equipment protection by increased safety ‘e’
EN 60079- 18:2015/A1:2017: Explosive atmospheres - Part 18: Equipment protection by encapsulation ‘m’
EN 60079-31:2014: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’
- [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 EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

- [12] The marking of the equipment or protective system shall include the following:

 II 2G Ex eb mb IIC T5/T6 Gb T_{amb}: -40°C; +65°C
II 2D Ex tb IIIC T80°C/T100°C Db T_{amb}: -40°C; +65°C

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Date: 27/05/2025



**Advanced Consulting and Engineering
Iberia SL**

Notified Body No NB3024

Matteo Marconi, CEO

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[13] **SCHEDULE**

[14] EU-Type Examination Certificate No: ACE25ATEX018X Rev00

[15] Description of equipment

The A Series LED luminaire is the ideal choice for hazardous applications:
Each LED Luminaire consists of a lamp enclosure, heat sink, drive enclosure cover, lamp enclosure cover (made of aluminum alloy ADC12) with tempered glass. Inside the enclosure there are LED lenses, a driver, and terminal block. Gaskets are provided to guarantee the IP66 protection.

EX xxxW -A YZDAF

- Ex: Explosion proof light
- xxxW : Luminarie watt: 20, 30, 50, 80, 100 W
- A: Product code
- Y: denoted for dimmable / N denoted for non-dimmable
- Z: color temperature
- D: Beam angle
- A: Glass type
- F: Optional for food zone / blank

Ex component and Ex component used

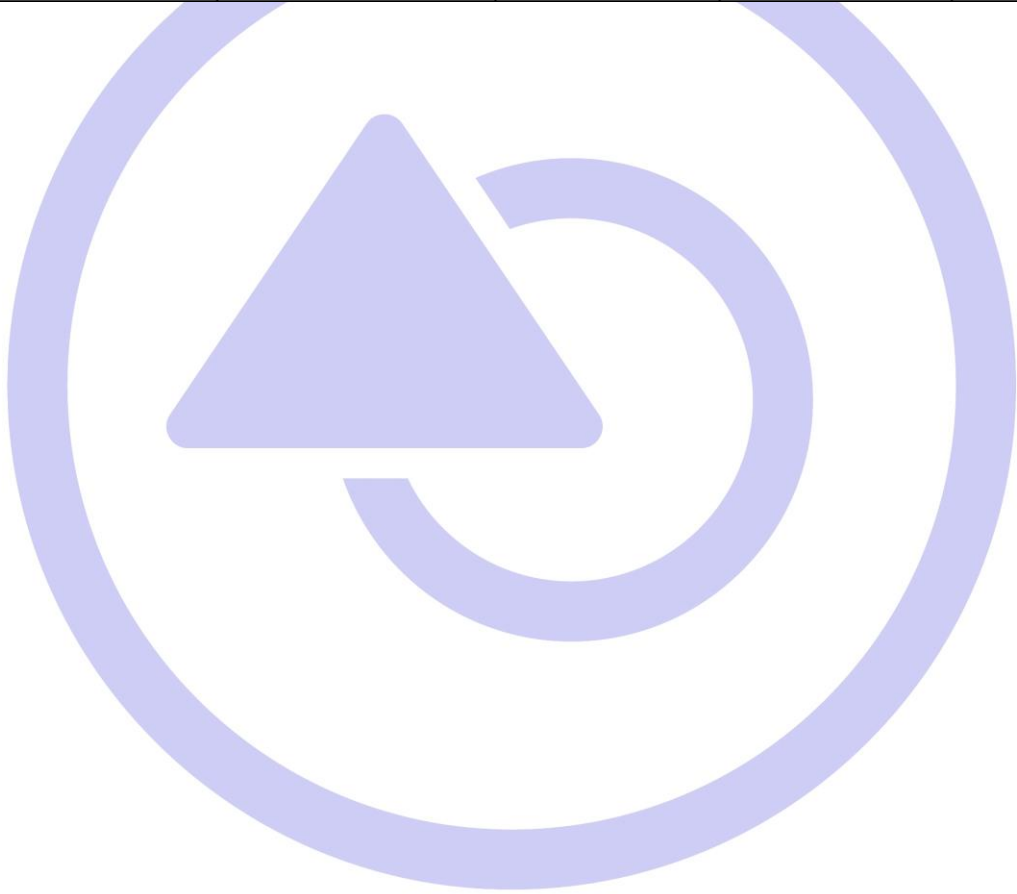
Apparatus	Type	Ex Marking	Certificate
Ex Cable gland	Ex-QM series	Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	IECEX TPS 20.0012X
Ex stopping plug	HLBM series	Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	IECEX CNEX 19.0003U
Ex Driver	EX-***W	Ex mb IIC Gb	IECEX SIR 21.0007U
EX-Terminal block	MSB series	Ex eb IIC Ex eb I	IECEX PTB 08.0048U
Ex Terminal Block	G5 series	Ex eb IIC Gb	IECEX PTB 06.0043 U

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Environmental Condition

Table 1

Model	Ambient temperature	T- Class (gas atmosphere)	Max. surface temp. (Dust atmosphere)	Maximum input power(W)
EX-XXXW-AYZDAF	-40°C to +50°C	T6	T80°C	100
	-40°C to +40°C	T5	T100°C	100
	-40°C to +60°C	T6	T80°C	80
	-40°C to +45°C	T5	T100°C	80
	-40°C to +65°C	T6	T80°C	50
	-40°C to +50°C	T5	T100°C	50
	-40°C to +65°C	T6	T80°C	30
	-40°C to +55°C	T5	T100°C	30



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[13] **SCHEDULE**

[14] EU – Type Examination Certificate No: ACE25ATEX018X Rev00

[16] Test documents are listed in the test report nº
25/Ex eb, mb, tb/9227/P, Ver:00

[17] Special conditions for safe use

1. The relation between applicable ambient temperature, temperature class, maximum temperature and maximum input power see table 1
2. It cannot be replaced or repaired by the end-user. Contact the manufacturer in case of damage or repair.
3. The installation must be in accordance with the requirements of IEC 60079-14: latest version, valid at the location of installation.
4. The cable shall be selected and installed by the end user, the withstand temperature of the cable shall be not less than 92°C

[18] Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19] Documents and technical datasheets:

Title	Object	Revision	Date
CRY20250401ATX01	Technical file	00	01/04/2025
FM20230728001A	Installation instruction	B	28/07/2024

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

[20] Certificate History

Certificate Number	Rev.	Comments	Date
ACE25ATEX018X	00	First issue	27/05/2025

Date: 27/05/2025



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