

## 1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 21ATEX0876X Issue: 0

4 Equipment: Explosion-proof Fluorescent Fittings Type BYD703 -\*x\*\*\*

5 Manufacturer: Sunleem Technology Incorporated Company

6 Address: No.15, Xihenggang Street,  
Yangchenghu Town,  
Xiangcheng District, Suzhou, Jiangsu, China

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

8 ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN 60079-0: 2018      EN 60079-1: 2014      EN 60079-31: 2014      EN60079-7: 2007

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment shall include the following:

 II 2 GD      Ex db eb IIC T4 Gb

Ex tb IIIC T80°C Db

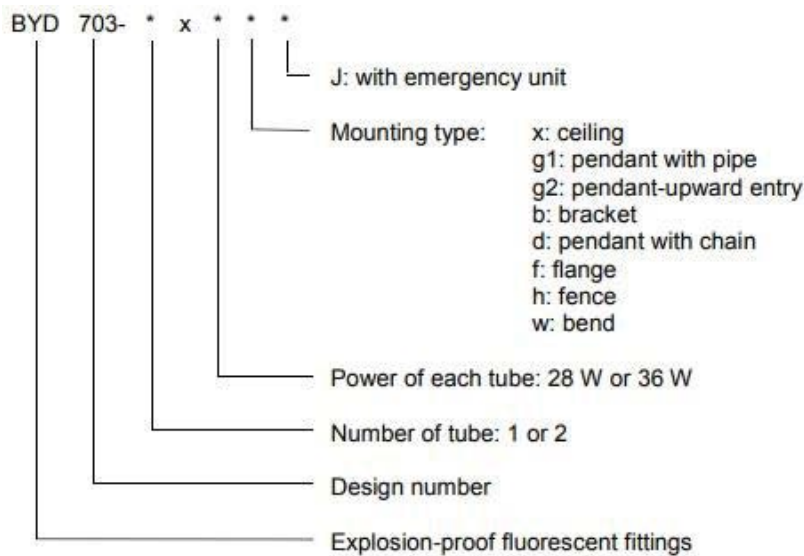
Tamb -25°C to +55°C

13 Description of Equipment or Protective System

The BYD703-\*x\*\*\* explosion-protected fluorescent fitting consists of mainly of:

- a plastic enclosure with light-transmitting cover and sealing gaskets,
- three entries blocked by stopping plugs,
- a rotor shaft interlocked with an explosion proof limit switch,
- one or two fluorescent tubes associated with two or four G5 or G13 lamp holders,
- “Ex e” certified terminals type UK5N (IECEX KEM 06.0034U) or type USLKG 5 (IECEX KEM 06.0035U),
- an explosion proof battery pack,
- an explosion proof electronic ballast with emergency function (optional).

Nomenclature:



Light source parameters:

- PHILIPS TLD HE 28W/865 or TLD 36W/865, - OSRAM L 28W/865 or L 36W/865.

Ballast type:

BAAA2056M010B (28W), BAAA2056F01 (28W), - BAAA2080M010B (36W), BAAA2080F01 (36W).

Battery type: 6-KRHT33/62 ; nominal voltage = 7.2 V ; nominal capacity = 6 Ah

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R3266/A/1	27 <sup>th</sup> May 2021	0	Initial issue of the Prime Certificate

Certificate: ExVeritas 21ATEX0876X

Issue 0

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