

# EU-TYPE EXAMINATION CERTIFICATE

## Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- Type Examination Certificate Number:** ITS20ATEX05565X Issue 0
- Product:** Linear LED Luminaire Models I2 and I4
- Manufacturer:** Dongguan Pan American Electronics Co., Ltd.
- Address:** No.31 BeiWang Road, WuJiaChong, Zhongtang Town, DongGuan City, GuangDong Province, China P.O : 523227
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 of the Directive.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2018 and EN 60079-1: 2015, EN 60079-31: 2014 except in respect of those requirements referred to within item 14 of the Schedule
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- 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.
- The marking of the product shall include the following:

II 2 G

Ex db IIB T4 Gb



II 2 D

Ex tb IIIC T63.5°C Db IP65

-40°C ≤ Ta ≤ +40°C.

**Certification Officer:**

  
09 July 2020 03593980

Todd L. Relyea

**Date:**

09 July 2020

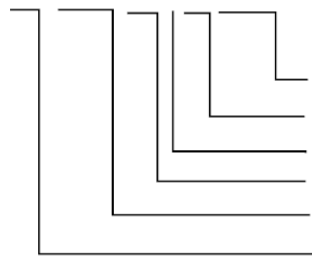
## SCHEDULE:

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS20ATEX05565X - Issue 0

### 11. Description of Equipment or Protective System

Pole or Bracket mounted, LED Luminaire. Available in 2- and 4-foot models, I2, I4 respectively.

Ex-\*\*\*W I4N50D120



Beam angle (D15, D20, D25...D120 denotes 15 degree to 120 degree )

Color temperature (30, 35, 40, 45, 50, 55, 60, 65 denotes 3000K to 6500K)

Dimable option (D denotes dimable, N denotes Non-dimable)

Product code (I2 and I4 )

Wattage (10~120W)

Explosion proof product

### 12. Report Number

Intertek Report: 103593980CRT-003 Issue: 29 April 2020

### 13. Conditions of Certification

#### (a). Special Conditions of Use

Certified Ex d / IP66/IP68 cable glands are required at cable entry points and are the responsibility of the installer.

#### (b). Conditions of Manufacture - Routine Tests

- 100 percent of all products must be tested

Over Pressure shall be conducted at 23.1 bar (334.3 psig) for a period of 10 seconds.

The overpressure test shall be considered satisfactory if the enclosure suffers no permanent deformation or damage. In addition, the joints shall in no place have been permanently enlarged; and no leakage through the walls of the enclosure.

### 14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) affected by this variation have been identified and assessed in Intertek Report: 103593980CRT-003 Dated: 28-April-2020

## 15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Explosion proof light (Series I) High Bay	EX-yyyW IYZD	A1	Dec 2019
Explosion proof light (Series I) High Bay (Drawing Contents)	EX-yyyW IYZD	A1	2019-6-6
Explosion proof light (Series I) High Bay (Detail List)	EX-yyyW IYZD	A1	2019-6-6
Explosion proof light (Series I4) High Bay Assembly	EX-XXXW-I4YZ-A	A1	2019.12.19
Explosion proof light (Series I2) High Bay Assembly	EX-XXXW-I2YZ-B	A1	2019.12.19
GLASS CABINET	EX-XXXW IYZ-001	A1	2019.12.19
CABINET-BOTTOM-POWER	EX-XXXW IYZ-002	A1	2019.12.19
Power enclosure cover A	EX-XXXW IYZ-003	A1	2019.12.19
HEAT-SINK-B	EX-XXXW IYZ-004	A1	2019.12.19
HEAT-SINK-A	EX-XXXW IYZ-005	A1	2019.12.19
TEMPERED GLASS	EX-XXXW IYZ-006	A1	2019.12.19
WATERPROOF-RING-A	EX-XXXW IYZ-007	A1	2019.12.19
WATERPROOF-RING-B	EX-XXXW IYZ-008	A1	2019.12.19
WATERPROOF-RING-C	EX-XXXW IYZ-009	A1	2019.12.19
BRACKET-STEEL	EX-XXXW IYZ-010	A1	2019.12.19
3/4"NPT Plug	EX-XXXW IYZ-011	A1	2019.12.19
NAMEPLATE	EX-XXXW IYZ-012	A1	2019.12.19
Cable Gland	EX-XXXW IYZ-013	A1	2019.12.19
WATERPROOF-RING-D	EX-XXXW IYZ-014	A1	2019.12.19
External bonding location Name plate	EX-XXXW-AYZ-013	A	2019.6.15
Earth/Ground	EX-XXXW-AYZ-014	A	2019.12.19
Amphenol Connector	EX-XXXW-AYZ-015	A1	2019.12.19
Flexible cable	EX-XXXW-AYZ-017	A1	2019.6.20
Lens	EX-XXXW-BYZ-026	A1	2019.12.19
Shc of series I4	EX-XXXW-I4YZ-SCH	A1	2019.12.23
Shc of series I2	EX-XXXW-I2YZ-SCH	A1	2019.12.23
CABINET-TOP-POWER-A	EX-XXXW-IYZ-021	A1	2019-06-06
Series I installation instructions	FM20191217001I	A	Sep. 17th, 2019

## 16. Details of Certificate changes Issue 1 - None