



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX ETL 20.0016X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2020-04-23
Applicant: **Dongguan Pan American Electronic Co.,Ltd.**
No.31 BeiWang Road, WuJiaChong, Zhongtang Town, DongGuan City, GuangDong Province 523227
China
Equipment: **Model B LED Luminary family**
Optional accessory:
Type of Protection: **Increased Safety 'ec', protection from dust by enclosure 'tb'.**
Marking: Ex ec IIC T3 Gc
Ex tb IIIC T85C Db IP66
-40 to +40C

Approved for issue on behalf of the IECEx
Certification Body:

Todd L. Relyea

Position:

Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek



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Certificate No.: **IECEx ETL 20.0016X**

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Date of issue: 2020-04-23

Issue No: 0

Manufacturer: **Dongguan Pan American Electronic Co.,Ltd.**
No.31 BeiWang Road, WuJiaChong, Zhongtang Town, DongGuan City, GuangDong Province 523227
China

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/ETL/ExTR20.0021/00](#)

Quality Assessment Report:

[CN/NEP/QAR19.0007/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Model family B. See Annex 1 for full model information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Control of environmental humidity to minimize the generation of static electricity,
- Touch with an insulating object,
- Means to continuously drain off electrostatic charges

Annex:

[IECEx ETL 20.0016X - Annex for IECEx Certificate of Conformity.pdf](#)



Annex to IECEx Certificate of Conformity

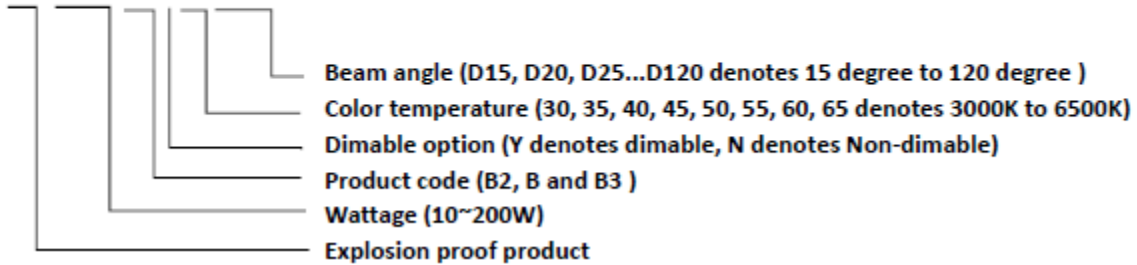
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General product information: The product is a family of LED Luminaires; Rating is 100-277VAC; 50/60Hz. Maximum input power is 200W.

Breakdown of model numbers:

Model description

Ex-***W B3N50D120



Certificate issued by:

intertek
Total Quality. Assured.

Intertek Testing Services, NA.
3933 US Route 11
Cortland, NY 13045
USA

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SFT-IECEX-OP-19f (26 October 2018)



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Technical Documents Model B Drawings			
Title:	Drawing No.:	Rev. Level:	Date:
Explosion proof light (Series B) High Bay Product Drawings	EX-yyyW BXYZD	A1	Dec 2019
Detail list	EX-XXXW BYZD	A1	2019-5-25
Drawings Contents	EX-XXXW BYZD-1	A1	2019-5-25
Sch of series B	EX-XXXW-BYZ-SCH	A1	2019-12-19
Mounting Adapter G3/4	EX-TYJ-020	A	2019-12-19
Mounting Adapter M25	EX-TYJ-021	A	2019-12-19
Mounting Adapter M20	EX-TYJ-022	A	2019-12-19
Mounting Adapter 1/2NPT	EX-TYJ-023	A	2019-12-19
Cable gland	EX-XXXW-A2YZ-020	A1	2018-8-06
Earthing Nameplate	EX-XXXW-AYZ-013	A1	2018-8-06
Earthing	EX-XXXW-AYZ-014	A1	2018-8-06
Amphenol connector	EX-XXXW-AYZ-015	A1	2018-8-06
Flexible cable	EX-XXXW-AYZ-017	A1	2018-8-06
LED Corn Light	EX-XXXW-B2YZ-007	A1	2019-12-19
Explosion proof light(Series B) High Bay Assembly	EX-XXXW-BYZ	A1	2019-12-19
Cabinet-top-lighting	EX-XXXW-BYZ-001	A1	2019-12-19
Cabinet-bottom-lighting	EX-XXXW-BYZ-002	A1	2019-12-19
Cabinet-bottom-power-box	EX-XXXW-BYZ-003	A1	2019-12-19
Cabinet-top-power-box	EX-XXXW-BYZ-004	A1	2019-12-19
Gear-plate-A	EX-XXXW-BYZ-005	A1	2019-12-19
Gear-plate-B	EX-XXXW-BYZ-006	A1	2019-12-19
Bracket	EX-XXXW-BYZ-007	A1	2019-12-19
Hardware-net-cover	EX-XXXW-BYZ-008	A1	2019-12-19
Press cable plate	EX-XXXW-BYZ-009	A1	2019-12-19
Plate glass	EX-XXXW-BYZ-010	A1	2019-12-19
Spherical glass	EX-XXXW-BYZ-011	A1	2019-12-19
Waterproof-ring-A	EX-XXXW-BYZ-012	A1	2019-12-19
Waterproof-ring-B	EX-XXXW-BYZ-013	A1	2019-12-19



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Technical Documents Model B Drawings

Title:	Drawing No.:	Rev. Level:	Date:
Waterproof-ring-C	EX-XXXW-BYZ-014	A1	2019-12-19
Waterproof-ring-D	EX-XXXW-BYZ-015	A1	2019-12-19
CON REFLECTOR-A	EX-XXXW-BYZ-016	A1	2019-12-19
CON REFLECTOR-B	EX-XXXW-BYZ-017	A1	2019-12-19
Nameplate	EX-XXXW-BYZ-018	A1	2019.10.7
PCB	EX-XXXW-BYZ-019	A1	2019-12-19
Hardware guard-A	EX-XXXW-BYZ-025	A1	2019-12-19
Lens	EX-XXXW-BYZ-026	A1	2019-12-19
Series B installation instructions	FM20191217001B	A	Sep. 17th, 2019



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Technical Documents Model B2 Drawings			
Title:	Drawing No.:	Rev. Level:	Date:
Explosion proof light (Series B2) High Bay Product Drawings	EX-yyyW B2XYZD	A1	Dec.2019
Detail list	EX-XXXW B2YZD	A1	2019-5-25
Drawings Contents	EX-XXXW B2YZD-1	A1	2019-5-25
Assembly Drawing	EX-XXXW-B2YZ	A1	2019-12-19
Cabinet Top Lighting	EX-XXXW-BYZ-001	A1	2019-12-19
B2_Cabinet Bottom Lighting	EX-XXXW-B2YZ-001	A1	2019-12-19
B2_Cabinet power bottom	EX-XXXW-B2YZ-003	A1	2019-12-19
B2 Cabinet power top	EX-XXXW-B2YZ-004	A1	2019-12-19
Gear plate A	EX-XXXW-BYZ-005	A1	2019-12-19
Gear plate B	EX-XXXW-BYZ-006	A1	2019-12-19
Cantilever Support	EX-XXXW-BYZ-007	A1	2019-12-19
Hardware-net-cover	EX-XXXW-BYZ-008	A1	2019-12-19
Spherical glass	EX-XXXW-BYZ-011	A1	2019-12-19
Plate Glass	EX-XXXW-BYZ-010	A1	2019-12-19
Waterproof Ring A	EX-XXXW-BYZ-012	A1	2019-12-19
Waterproof Ring B	EX-XXXW-BYZ-013	A1	2019-12-19
Waterproof Ring C	EX-XXXW-BYZ-014	A1	2019-12-19
Waterproof Ring E(B2)	EX-XXXW-B2YZ-005	A1	2019-12-19
CON reflector A	EX-XXXW-BYZ-016	A1	2019-12-19
CON reflector B	EX-XXXW-BYZ-017	A1	2019-12-19
Name plate	EX-XXXW-B2YZ-006	A1	2019.10.7
Mounting Adapter G3/4	EX-TYJ-020	A	2019-12-19
Mounting Adapter M25	EX-TYJ-021	A	2019-12-19
Mounting Adapter M20	EX-TYJ-022	A	2019-12-19
Mounting Adapter 1/2NPT	EX-TYJ-023	A	2019-12-19
External bonding location name plate	EX-XXXW-AYZ-013	A	2019-12-19
Grounding wire	EX-XXXW-AYZ-014	A	2019-12-19
LED PCB	EX-XXXW-BYZ-019	A1	2019-12-19



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Technical Documents Model B2 Drawings			
Title:	Drawing No.:	Rev. Level:	Date:
Flexible cable	EX-XXXW-AYZ-017	A1	2019-12-19
Hardware guard-A	EX-XXXW-BYZ-025	A1	2019-12-19
Lens	EX-XXXW-BYZ-026	A1	2019-12-19
Cable gland	EX-XXXW-A2YZ-020	A1	2018-8-06
SCH of series B2	EX-XXXW-B2YZ-SCH	A1	2019-12-19
Series B installation instructions	FM20191217001B	A	Sep. 17th, 2019



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Technical Documents Model B3 Drawings			
Title:	Drawing No.:	Rev. Level:	Date:
Explosion proof light (Series B3) High Bay Product Drawings	EX-yyyW B3XYZD	A1	Dec.2019
Detail list	EX-XXXW-B3YZD	A1	2019-5-30
Drawings Contents	EX-XXXW-B3YZD-1	A1	2019-5-30
B3 Cabinet Top Lighting	EX-XXXW-B3YZ-001	A1	2019-12-19
B3 Cabinet Bottom Lighting	EX-XXXW-B3YZ-002	A1	2019-12-19
B3 Cabinet Bottom power box	EX-XXXW-B3YZ-003	A1	2019-12-19
B3 Cabinet power top box	EX-XXXW-B3YZ-004	A1	2019-12-19
B3 cantilever support	EX-XXXW-B3YZ-005	A1	2019-12-19
B3 cantilever support stand	EX-XXXW-B3YZ-006	A1	2019-12-19
Hardware guard	EX-XXXW-B3YZ-007	A1	2019-12-19
B3 Tempered Glass	EX-XXXW-B3YZ-008	A1	2019-12-19
B3 Spherical Glass	EX-XXXW-B3YZ-009	A1	2019-12-19
B3 waterproof ring_A	EX-XXXW-B3YZ-011	A1	2019-12-19
Waterproof ring_B	EX-XXXW-BYZ-013	A1	2019-12-19
Waterproof ring_C	EX-XXXW-BYZ-014	A1	2019-12-19
B3 Waterproof ring_E	EX-XXXW B3YZ-010	A1	2019-12-19
Nameplate	EX-XXXW-B3YZ-012	A3	2019.10.7
Cable gland	EX-XXXW-A2YZ-020	A1	2018-8-06
Mounting Adapter G3/4	EX-TYJ-020	A	2019-12-19
Mounting Adapter M25	EX-TYJ-021	A	2019-12-19
Mounting Adapter M20	EX-TYJ-022	A	2019-12-19
Mounting Adapter 1/2NPT	EX-TYJ-023	A	2019-12-19
External bonding Name plate	EX-XXXW-AYZ-013	A	2019-12-19
Earthing Wire	EX-XXXW-AYZ-014	A	2019-12-19
Amphenol Connector	EX-XXXW-AYZ-015	A	2019-12-19
LED PCB	EX-XXXW-B3YZ-013	A1	2019-12-19
Flexible Cable	EX-XXXW-AYZ-017	A	2019-12-19
Hardware guard_B	EX-XXXW-B3YZ-015	A1	2019-12-19



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Technical Documents Model B3 Drawings			
Title:	Drawing No.:	Rev. Level:	Date:
CON reflector-A	EX-XXXW-B3YZ-016	A1	2019-12-19
CON reflector-B	EX-XXXW-B3YZ-017	A1	2019-12-19
Cable Gland	EX-XXXW-A2YZ-020	A1	2018-8-16
Sch of series B3	EX-XXXW-B3YZ-SCH	A1	2019-12-19
EX-XXXW-BYZ-026	Lens	A1	2019-12-19
Series B installation instructions	FM20191217001B	A	Sep. 17th, 2019

*Note: An * is included before the title of documents that are new or revised.*



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Required Manufacturer Routine Testing		
Test	Title/Description of Test	Standard and Clause
1	Dielectric Test: (1,000 + 2U) V r.m.s. (+5%/-0) for 60s without breakdown or at 1.2 times the test voltage for 100ms. Or DC dielectric voltage 1.7 X (1,000 + 2U) V r.m.s. (+5%/-0) for 60s without breakdown	IEC 60079-7: 2017 Edition 7.1, Clause 7.1