

Venas International Co., Ltd

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VENAS

2023
Catalogue



 **COMMERCIAL
FIXTURES**

 **HAZARDOUS
LOCATIONS
LUMINAIRES**

 **LED
SPORTS
LIGHT**

 **STREET & AREA
LUMINAIRES**

VENAS[®]

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Your Best LED Solution Provider in China

Made in China, Vietnam, Mexico, and USA



Venas International Co., Ltd is a global leader in commercial and industrial LED lighting.

Founded in 2008 in Guangdong, China, Venas is a LED industry pioneer in the design and manufacturing of linear LED T8 lamps. Since that time, Venas has grown to be one of the highest volume manufacturers of all types of T8 and T5 lighting as well as a wide array of LED retrofit kits and luminaires for interior and exterior applications.

Venas's manufacturing facilities now exceed 400,000 sq. ft. with over 1000 employees.

Venas has built a global reputation for innovative design and product reliability. It has millions of lamps and luminaires dependably operating around the world, providing an enhanced quality of light, safety, and energy efficiency. To accomplish a very high volume production while maintaining the quality of products, Venas has a high level of integrated testing and quality control as a part of all manufacturing processes. Additionally, it maintains a complete and comprehensive portfolio of compliance and performance certifications in all markets and industry segments.

Venas has built both a robust production infrastructure and a global management team to support product design, supply chain logistics, finance, and marketing. Moreover, Venas has become very successful by building a global value chain where the teamwork of dedicated individuals build products that save energy, contribute to a cleaner environment and create business opportunities for economic prosperity around the world.

Both the LED Lighting Industry and the dynamics of global business are changing rapidly. As with many obstacles in the past and in the face of more to come, Venas remains true to one simple motivating idea: Bring High Efficiency to the Earth.

Marks



Issued: 21-05-2020

QUALITY ASSURANCE NOTIFICATION

- 1.
2. **Equipment or Protective Systems or Components Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**
3. **Notification number: Baseefa ATEX 8066**
4. Equipment or Protective Systems or Components are as listed in the Schedule attached to this Notification.
5. Applicant: See Manufacturer
6. Manufacturer:
Dongguan Pan American Electronic Co., Ltd.
No. 31 BeiWang Road, WuJiaChong,
Zhongtang Town, DongGuan City,
GuangDong Province,
523227,
China
7. SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, notifies to the applicant that the actual manufacturer has a quality system which complies with Annexes IV and VII of the Directive.
8. This Notification is based upon Audit Report No. 8066 issued on 21 May 2020

This Notification can be withdrawn if the manufacturer no longer satisfies the requirements of the Annexes IV and VII.

Results of periodical re-assessment of the quality system are a part of this Notification.

9. This Notification is valid until 21-05-2023 and can be withdrawn if the manufacturer does not satisfy the quality assurance re-assessment.
10. According to Article 16 [3] of the Directive 2014/34/EU the CE marking shall be followed by the identification number 1180 identifying the notified body involved in the production control stage. For Components, as defined in 2014/34/EU, only the identification number 1180 shall be marked. (See ATEX Guidelines § 145)

This Notification may only be reproduced in its entirety and without any change.

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Registered in England No. 4305578
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R S SINCLAIR
Authorised Signatory on behalf of SGS Baseefa Limited

Schedule to ATEX Quality Assurance Notification / IECEx Quality Assessment Report

Number: 8066
Issued to: Dongguan Pan American Electronic Co., Ltd

Products for which the Manufacturer controls the design and manufacture of the product		
Product Type Designation	Type Examination Certificate Number (Including ATEX)	Related IECEx Certificate of Conformity Number (For Information)
Product category - Ex db eb tb		
Explosion-proof cable glands – Type EX-QM series	TPS20ATEX102136001X	IECEX TPS 20.0012X
Product category - Ex db tb		
Model "I" family of LED Luminaires	ITS20ATEX05565X	IECEX ETL 20.0017X
Product category - ia		
Remote Area Lighting System EX-MV01	CSANe20ATEX2257X	IECEX SIR 20.0048X
Product category- db, eb, mb, q and tb		
ES01 Explosion proof luminaires type-**W ES01-**		IECEX CQM 21.0029X
Product category- n and t		
Led Luminaires, Type: EX-***W***D* series		IECEX TPS21.0041X
LED Luminaires Type Ex-***WQ1N50D*	SEV 20ATEX0360X	
Product category- op is		
LED oil station lamp EX- *WCPA****		IECEX CQM20.0002X
Product category- d and t		
LED High Bay EX-***W C***D**	CML 20ATEX1279X	IECEX CML 20.0163X
Junction box- Type: EX-HD51	TPS21ATEX1021360007X	IECEX TPS 20.0035X
LED luminaires Model Ex-***W***N***D*	CML 22ATEX1290X	
LED luminaires, Type: EX-***WS***N***D*series		IECEX TPS 21.0046X
Explosion-proof Empty Enclosure/Type(s): EJB-1, EJB-11 and EJB-111	TUV 20ATEX8558U	IECEX TUR 20.0038U
Product category- e, op is and t		
LED oil station lamp EX- *WCPA****		IECEX CQM 20.0002X
Product category- e and t		
Ex-***W A***D***		IECEX ETL20.0002X
Product category- e		
LED High Bay Luminaire Models A, A2, A3	ITS20ATEX05531X	
Product category n, t and op is		
LED luminaires type EX-***WQ1N50D*		IECEX NEP19.0024X
Product category- e, i and t		
LED hand lamp		IECEX TPS 21.0025X
LED hand lamp Type: EX-10W-WKC1YZDA, WX-10W-WKC2YZDA	TPS 21ATEX102136 0009X	
Product category- mb		
Ex-***W-A*-B Explosion proof driver	CSANe 21ATEX5018U	IECEX SIR 21.0007U
Product category- ec and tb		
Led High Bay Luminaires model	TPS22ATEX1021360016X	IECEX PCET22.0008X
Model B LED luminary family	ITS20ATEX05550X	IECEX ETL 20.0016X
Explosion proof light H series typed Ex-***W-H***N***		IECEX CQM21.0016X
Ex-***WA***D***	ITS20ATEX055531X	IECEX ETL 20.0002X

Schedule to ATEX Quality Assurance Notification / IECEx Quality Assessment Report

Number: 8066
Issued to: Dongguan Pan American Electronic Co., Ltd

Products for which the Manufacturer controls the design and manufacture of the product		
Product Type Designation	Type Examination Certificate Number (Including ATEX)	Related IECEx Certificate of Conformity Number (For Information)
Product category – ia and ib		
Ex- 002W-WKE series Explosion- proof Rechargeable LED Handlamp	CSANe 22ATEX1045X	IECEX CSAE 22.0031X
Product category- eb and tb		
LED High Bay (Series O) luminaire	CSANe 22ATEX1001X	IECEX CSAE22.0002X
Product category- db, eb mb and tb		
EX-***W R*YZD-** series R weather-proof light	CSANe 21ATEX1172X	IECEX CSAE21.0013X
Product category- db, eb, mb, q and tb		
Explosion proof luminaires type EX-***W ES01-**		IECEX CQM21.0029X
Product category- db and tb		
Plug and socket type EX-CZ81-*/**/*		IECEX CQM 21.0008X
Control unit systems	CML 22ATEX1162X	IECEX CQM 21.0005X
LED High Bay EX ***W C***D**	CML 20ATEX1279X	IECEX CML 20.0163X
Junction box, type: EX-HD51-series	TPS 21ATEX 1021360007X	IECEX TPS20.0035X
LED luminaires, Type: EX-***Wss***N***D* series	CML 22ATEX1290X	IECEX TPS21.0046X
Explosion-proof empty enclosure/types(s):EJB-1, EJB-11 and EJB-111	TUV 20 ATEX 8558U	IECEXTUR 20.00038U
Product category- nR and tb		
Led luminaires, type: EX-***W***D* series	TPS 22ATEX 1021360015	IECEX TPS 21.0041X
Product category- ec, op is and tb		
LED oil station lamp EX-***WCPA****		IECEX CQM 20.0002X
Product category- nR, Ex op is and tb		
LED luminaires type Ex-***WQ1N50D	SEV 20ATEX 0360X	IECEX NEP 19.0024X
Product category- ec and ic		
LED hand lamo EX-10W0WKC1YZDA, EX-10W0WKC2YZDA	TPS 21ATEX102136 0009X	IECEX TPS 21.0025X



CERTIFICATE NUMBER 23-2353591-PDA
 EFFECTIVE DATE 08-Feb-2023
 EXPIRATION DATE 07-Feb-2028
 ABS TECHNICAL OFFICE CN Shanghai ESD

CERTIFICATE OF
Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**DONGGUAN PAN
 AMERICAN ELECTRONICS CO.,LTD**

located at

**BUILDING 6,ZHONGTANG TIAN'AN DIGITAL CITY,NO.88 JINYUAN
 ROAD,ZHONGTANG TOWN,China**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product Lighting Fixture, Explosion Proof

Model LED Explosion Proof Lighting Fixture

This Product Design Assessment (PDA) Certificate remains valid until 07/Feb/2028 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau of Shipping

Bin Hong Wang

Director of Engineering

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement



REGISTRATION NO. Q1-3982

Certificate of Registration

The American Petroleum Institute certifies that the quality management system of

DONGGUAN PAN AMERICAN ELECTRONICS CO., LTD.

No. 175, Beiwang Road

Zhongtang Town

Dongguan City, Guangdong Province

People's Republic of China

has been assessed by the American Petroleum Institute and found to be in conformance with the following:

API Specification Q1

The scope of this registration and the approved quality management system applies to the:

Design, Manufacture, Sales and Service of LED Explosion Proof Lights

API approves the organization's justification for excluding:

Validation of Processes



Effective Date: AUGUST 12, 2021
Expiration Date: AUGUST 12, 2024
Registered Since: AUGUST 12, 2021

Debra C. P. [Signature]

Vice President of Global Industry Services

This certificate is valid for the period specified herein. The registered organization must continually meet all requirements of API Spec Q1, Specification for Quality Programs for the Petroleum, Petrochemical and Natural Gas Industry, and the requirements of the Registration Agreement. Registration is maintained and regularly monitored through annual full system audits. This certificate has been issued from API offices located at 200 Massachusetts Avenue, NW Suite 1100, Washington, DC 20001-5571, U.S.A. It is the property of API, and must be returned upon request. **To verify the authenticity of this certificate, go to www.api.org/compositelist.**

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Hazardous Location Luminaires

2	Ex-Proof Light A/B Series
3-4	Ex-Proof Light C/D/FLA1/FLA1e/FLA2/FLA2e Series
5-6	Ex-Proof Light FLA3, FLAA2, FLB, FLC Series
7-8	Ex-Proof Light FLD, FLE, FLF, G Series
9-10	Ex-Proof Light H, I, O, R Series
11-12	Ex-Proof Light RL, D3, D4, S, STA1, STA2 Series
13-14	Ex-Proof Light STA4/STA5/A5/A6, A7/A8, A9/A10 Series
15	Ex-Proof Light CPA, ES01 Series
16	Ex-Proof Light ES02A1, ES02A2, ES02B1 Series
17-18	Ex-Proof Light ES02B2, ES02B3, ES02B4, ES02B5 Series
19-20	Ex-Proof Light ES02C1, ES02D1, ES02C2, ES02C3 Series
21	Ex-Proof Light ES03A2; ES03A3; ES03C1; ES03A1 Series
22	Ex-Proof Light ES03C2; ES03A4; J Series
23-25	Ex-Proof Light V, L, WKC, WKE, WKG, MV01 Series

Motion Sensor & Junction Box

26	EX-IN01-B Series, Ex-HD51 Series Series
27	EX-IN02, EX-IN02 Series

Control Unit Systems

28	Ex-HD51 Series, Control Unit Systems
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Distribution Equipment

29	Ex-PD61 Series
30	Ex-PD61-JX-IIB/Ex-PD61-ZM Series
31	Ex-PD61-DL/Ex-PD61-ZC Series
32	Ex-PD61-QD/Ex-PD61-LK Series
33	PD62, PD63 Series

Enclosure

34	PD65 Series; Enclosure for Lighting Control Switch
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Cable Glands

35	Ex-QM01-A1/Ex-QM03-C1K/Ex-QM04-B1K Series
36	Ex-QM05-C1K/Ex-QM06-B1K/Ex-QM10-B1 Series
37	Ex-QM12-A1/Ex-QM13-B1T/Ex-QM18-C1 Series
38	Ex-QM21-C1K/Ex-QM22-B1K Series

Plug & Socket

39	CZ81-16/32/63/125 Series, CZ82-16/32/63/125 Series
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High Bay Luminaires

41-42	UFO(U-C)/UFO(U-E)/UFO(U-F) Series
42	Water-proof Linear High Bay HB-C Series

Outdoor Lighting Luminaires

44	Shoebox F Series; Street Light I Series
45	Street Light L Series; LED Sports and Area Flood Light J/L Series
46	LED Sports and Area Flood Light M Series; Tennis Courts Light
47	LED Flood Light FI10/ N Series
48	LED Flood Light Q/D Series
49	High Mast Fixture FL11 Series ; Led Rugby Field Light FL18 Series
50	Solar Street Light ST-S/ST-Z Series

Exterior Wall Mount Luminaires

51	Flush Mount Canopy Series; LED Tunnel Light D Series
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HAZARDOUS LOCATION LUMINAIRES



▶ A Series

Wide and narrow optics for uniform illumination. Copper free aluminum body and corrosion resistant frame. Up to 50,000 hours LED service life. Valid over the entire temperature range from -40°C to 50°C (-40 °F to 122°F).



Model:	EX-20W A2YZDA	EX-40W A2YZDA	EX-60W A2YZDA	EX-80W AYZDA	EX-100W AYZDA	EX-150W A3YZDA	EX-200W A3YZDA	EX-250W A4YZDA	EX-300W A4YZDA	EX-400W A4YZDA
Rated Wattage(W):	20	40	60	80	100	150	200	250	300	400
Rated Lumen(Lm):	2,800	5,600	8,400	11,200	14,000	21,000	28,000	35,000	42,000	56,000
Dimension(mm):	250x160x166			320x240x160		380x230x188		419x300x210		
Voltage Option:	AC100-277V/DC12-48V/AC200-480V									
CCT:	2,200-7,000K									
Beam Angle(Deg):	40/60/90/120									
CRI:	>70									
Control Option:	0-10V DC									
Protection Class:	IP66									
Mounting:	Ceiling Mounting, Wall Mounting, Pole Mounting, Arm Mounting, Stanchion Mounting, Wall Mounting to Junction Box									
Compliance:	ETL/UL1598/UL1598A/UL844/IECEX/ATEX/ABS/CB/CSA									
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22									

▶ B Series

Copper free aluminum housing. High impact resistance. Various installation methods. Stainless steel hardware. Replaceable LED driver board & driver. Marine rated powder coating.



Model:	EX-xxW BYZDA	EX-xxW B2YZDA	EX-xxW B3YZDA	EX-xxW B4YZDA	EX-xxW B5YZDA
Rated Wattage(W):	60/80	20/40	100/150/200	250/300/350/400	80/100
Rated Lumen(Lm):	8,400/11,200	2,800/5,600	14,000/21,000/28,000	35,000/42,000/49,000/56,000	8,400/14,000
Dimension(mm):	243x230x170	∅268x128	371x370x197	∅480x241	345x329x165
Voltage Option:	AC100-277V/DC12-48V/AC200-480V				
CCT:	2,200-7,000K				
Beam Angle(Deg):	40/60/90/120				
CRI:	>70				
Control Option:	0-10V DC				
Protection Class:	IP66				
Mounting:	Ceiling Mounting, Wall Mounting, Pole Pendant Mounting, Stanchion Mounting, Wall Mounting				
Compliance:	ETL/UL1598/UL1598A/UL844/IECEX/ATEX/ABS/CB/CSA				
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22				

HAZARDOUS LOCATION LUMINAIRES

▶ The Venas Hazardous Location series provides a complete range of certified explosion-proof lighting including fixed and portable work lights, flood lights, area lights, emergency lights, warning lights, surface, pole, and wall mounting lighting, linear lighting, and accessories.

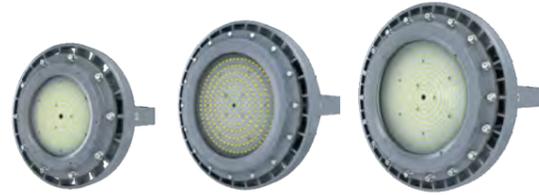
Venas Hazardous Location series draws from years of experience in research and design, a technical knowledge base, advanced in-house testing facility, high capacity manufacturing, and quality assurance systems to serve industrial customers around the globe.

- ▶ Suitable for all kinds of Hazardous Locations including but not limited to the petrochemical industry, chemical industry, painting industry, wine industry, food industry, mining locations, and marine locations.
- ▶ Top safety, high quality, and long lifespan.
- ▶ Full line certification to requirements of UL1598/UL1598A/UL844/IECEX/ATEX/ABS/DNV/API Spec Q1.
- ▶ Suitable for petrochemical, marine, oil and gas, airspace, food, metal industry, and other harsh environments.

HAZARDOUS LOCATION LUMINAIRES

▶ C Series

High quality SMT LED and Meanwell Driver. Heavy-duty and high impact resistance. Replaceable LED board and drivers. Marine rating powder coated finish treatment. Glass lens or polycarbonate lens to make various beam angles.



Model:	EX-20W C2YZDA	EX-40W C2YZDA	EX-60W C2YZDA	EX-80W C2YZDA	EX-100W CYZDA	EX-150W CYZDA	EX-200W C3YZDA	EX-250W C3YZDA	EX-280W C3YZDA
Rated Wattage(W):	20	40	60	80	100	150	200	250	280
Rated Lumen(Lm):	2,800	5,600	8,400	11,200	14,000	21,000	28,000	35,000	39,200
Dimension[ØxH(mm)]:	495xØ358			523xØ406			546xØ442		
Voltage Option:	AC100-277V/DC12-48V/AC200-480V								
CCT:	2,200-7,000K								
Beam Angle(Deg):	40/60/90/120								
CRI:	>70								
Control Option:	0-10V DC								
Protection Class:	IP66								
Mounting:	Ceiling Mounting, Wall Mounting, Pole Mounting, Hook Pendant Mounting, Wall Mounting to Junction Box								
Compliance:	ETL/UL1598/UL1598A/UL844/IECEX/ATEX/ABS/CB/CSA								
Rating:	Class I, Division 1&2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22								

▶ D Series

Two protection types:
Flame-proof type, Flame-proof and increased safe type

High quality SMT LED and Meanwell Driver. Heavy-duty and high impact resistance. Replaceable LED board and drivers. Marine rating powder coated finish treatment. Glass lens or polycarbonate lens to make various beam angles.



Model:	EX-20W D2YZDA	EX-40W D2YZDA	EX-60W D2YZDA	EX-80W D2YZDA	EX-100W DYZDA	EX-150W DYZDA	EX-200W DYZDA
Rated Wattage(W):	20	40	60	80	100	150	200
Rated Lumen(Lm):	2,800	5,600	8,400	11,200	14,000	21,000	28,000
Dimension(mm):	294x294x243			399x287x254			
Voltage Option:	AC100-277V/DC12-48V/AC200-480V						
CCT:	2,200-7,000K						
Beam Angle(Deg):	40/60/90/120						
CRI:	>70						
Control Option:	0-10V DC						
Protection Class:	IP66						
Mounting:	Ceiling Mounting, Wall Mounting, Pole Mounting						
Compliance:	ETL/UL1598/UL1598A/UL844/IECEX/ATEX/ABS/CB/CSA						
Rating:	Class I, Division 1&2; Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22						

HAZARDOUS LOCATION LUMINAIRES

▶ FLA1/FLA1e Series

FLA1: Flame-proof type
FLA1e: Flame-proof and increased safe type

0-10V dimming. Emergency function - up to 90 minutes back-up supply time. High-quality copper free aluminum housing, excellent cooling performance. Replaceable LED board & driver, flexible and convenient maintenance. Marine rating powder coated finish treatment, outstanding corrosion resistance.



Model:	EX-XXXW FLA1YZD	EX-XXXW FLA1eYZD
Rated Wattage(W):	20-200	20-150
Rated Lumen(Lm):	2,600-26,000	2,600-19,500
Dimension(mm):	240x300x98.5	240x318x98.5
Voltage Option:	AC100-277V/DC36V	
CCT:	2,200-7,000K	
Beam Angle(Deg):	40°/60°/90°/120°	
CRI:	>70	
Control Option:	0-10V DC	
Protection Class:	IP66/IK10	
Compliance:	ATEX/IECEX	
Rating:	Class I, Division 1; Zone 1&2, Zone 21&22	

▶ FLA2/FLA2e Series

FLA2: Flame-proof type
FLA2e: Flame-proof and increased safe type

0-10V dimming. Emergency function - up to 90 minutes back-up supply time. High-quality copper free aluminum housing, excellent cooling performance. Replaceable LED board & driver, flexible and convenient maintenance. Marine rating powder coated finish treatment, outstanding corrosion resistance.



Model:	EX-XXXW FLA2YZD	EX-XXXW FLA2eYZD
Rated Wattage(W):	20-60	20-100
Rated Lumen(Lm):	2,600-7,800	2,600-26,000
Dimension(mm):	330x380x103	330x380x103
Voltage Option:	AC100-277V/DC36V	
CCT:	2,200-7,000K	
Beam Angle(Deg):	40°/60°/90°/120°	
CRI:	>70	
Control Option:	0-10V DC	
Protection Class:	IP66/IK10	
Compliance:	ATEX/IECEX	
Rating:	Class I, Division 1; Zone 1&2, Zone 21&22	

HAZARDOUS LOCATION LUMINAIRES

▶ FLA3 Series

Flame-proof and increased safe type

Only 320W with emergency function - up to 3 hours emergency time. Non-dimmable. Aluminum alloy A356 housing with powder coating surface treatment, great cooling performance and corrosion resistance.



Model:	EX-xxWFLA3-YZD
Rated Wattage(W):	Max. 500
Rated Lumen(Lm):	Max. 65,000
Dimension(mm):	590x464x165
Voltage Option:	AC100-277V
CCT:	2,200-7,000K
Beam Angle(Deg):	40°/60°/90°/120°
CRI:	>70
Surge Protection:	10/20 kV
Protection Class:	IP66/IK10
Compliance:	ATEX/IECEX
Rating:	Zone 1&2, Zone 21&22

▶ Q Series

Best-in-class efficacy-up to 140 lumens per watt. Professional light distribution design, uniform and comfortable lighting. Various mounting way to meet different requirements.



Model:	EX-xxxW Q1***	EX-xxxW Q2***
Rated Wattage(W):	20/40/50/60/80/100	20/40/50/60/80/100/120/150/180/200
Rated Lumen(Lm):	2,800/5,600/7,000/8,400/11,200/14,000	2,800/5,600/7,000/8,400/11,200/14,000/16,800/21,000/25,200/28,000
Dimension(mm):	∅381x406.4	∅381x457.2
Voltage Option:	AC100-277V/220-480V	
CCT:	2,200-7,000K	
Beam Angle(Deg):	40°/60°/90°/120°	
CRI:	80	
Working Temperature:	-40°C to +60°C	
Mounting:	Ceiling Mounting, Wall Mounting, Pole Mounting, Bracket Mounting, Pendant Mounting	
Protection Class:	IP66	
Compliance:	ATEX/IECEX	
Rating:	Zone 2, Zone 21&22	

HAZARDOUS LOCATION LUMINAIRES

▶ FLB Series

Anti-static and anti-corrosion coating. Thermal resistance, corrosion resistance, high light transmission lens. Advanced quadratic light distribution design results in high uniformity. Easy and simple installation.



Model:	EX-xxxW FLB A; EX-xxxW FLB B
Rated Wattage(W):	A series: 18W, 2x18W, 3x18W, 36W, 2x36W, 3x36W B series: 40W, 2x40W, 3x40W, 60W, 2x60W, 3x60W
LED Tube Length:	2FT(0.6m), 4FT(1.2m)
Voltage Option:	AC100-277, 50/60Hz or DC12-48V
Ambient Temperature:	-40°C to +60°C
Beam Angle(Deg):	30-180
CCT:	3,000-6,500K
Backup Battery:	3 Hours
Protection Class:	IP66/67/68
Mounting:	Wall Mounting, Surface Mounting, Hook Pendant Mounting, Ring Pendant Mounting, Pole Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1 & 2, Zone 21 & 22

▶ FLC Series

ATEX and IECEx Certified. Die-cast aluminum body and frame-corrosion resistant. Innovative design with excellent heat dissipation performance. Heat-sinking technology ensures long lifespan and low light decline.



Model:	EX-xxxW FLC2 YZD	EX-xxxW FLC2 YZD	EX-xxxW FLC4 YZD	EX-xxxW FLC4 YZD	EX-xxxW FLC5 YZD	EX-xxxW FLC5 YZD
Rated Wattage(W):	20	40	50	80	50	80
Dimension(mm):	785x178x96		1303x178x96		1618x178x96	
Voltage Option:	AC 100-277, 50/60Hz or DC 36V					
Ambient Temperature:	-40°C to +65°C					
Efficiency:	130 lm/W					
Beam Angle(Deg):	40/60/90					
CCT:	2,700-6,500K					
Dimming:	0-10V					
Protection Class:	IP66/67					
Mounting:	Bracket Surface Mounting, Hook and Rope Mounting, Pole Mounting					
Compliance:	IECEX/ATEX/CB					
Rating:	Zone 1&2, Zone 21&22					

HAZARDOUS LOCATION LUMINAIRES

► FLD Series

Die-cast aluminum body and frame-corrosion resistant. Innovative design with excellent heat dissipation performance. Heat-sinking technology ensures long lifespan and long light decline.



Model:	EX-xxxW FLD2x1 YZD	EX-xxxW FLD3x1 YZD	EX-xxxW FLD4x1 YZD	EX-xxxW FLD4x2 YZD
Rated Wattage(W):	20/40/60/80	40/60/80/120	40/60/80/120	60/80/100/120/160/240
Dimension(mm):	640x305x94	1250x305x94	640x604x94	49.2x23.8x3.7
Voltage Option:	AC100-277V			
Ambient Temperature:	-40°C to +65°C			
Efficiency:	130 lm/W			
Beam Angle(Deg):	120°			
CCT:	2700K-7000K			
Protection Class:	IP66			
Mounting:	Ceiling Mounting/Pandent Mounting/Embedded Mounting			
Compliance:	ATEX			
Rating:	Class I, Division 2; Zone 1&2			

► FLE Series

ATEX and IECEx Certified. Die-cast aluminum body and frame-corrosion resistant. Innovative design with excellent heat dissipation performance. Heat-sinking technology ensures long lifespan and low light decline.



Model:	EX-20/40W-FLE2 AZDA	EX-50/80W-FLE4 AZDA	EX-50/80W-FLE5 AZDA
Rated Wattage(W):	20/40	50/80	50/80
Dimension(mm):	675x157x216	1275x157x216	1597x157x216
Voltage Option:	AC 100-277, 50/60Hz or DC 36V		
Ambient Temperature:	-40°C to +65°C		
Efficiency:	130 lm/W		
Beam Angle(Deg):	40/60/90		
CCT:	2,700-6,500K		
Dimming:	0-10V		
Protection Class:	IP66		
Mounting:	Bracket Surface Mounting, Hook and Rope Mounting, Pole Mounting		
Compliance:	IECEX/ATEX/CB		
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22		

HAZARDOUS LOCATION LUMINAIRES

► FLF Series

FLF Series is the ideal choice for marine and hazardous applications. Available in 5 lengths. Innovative design with excellent heat dissipation performance. Heat-sinking technology ensures long lifespan and low light decline.



Model:	EX-xxxW FLF1 YZD	EX-xxxW FLF2 YZD	EX-xxxW FLF3 YZD	EX-xxxW FLF4 YZD	EX-xxxW FLF5 YZD
Rated Wattage(W):	10/20/30	20/30/40/50	40/50/60/70	40/50/60/70/80	60/70/80/90/100
Efficiency:	130 lm/W				
Voltage Option:	AC100-277V, 50/60Hz				
Emergency Time:	>1.5H				
CCT:	2,200-6,500K				
CRI:	>70				
Ambient Temperature:	-40°C to +65°C				
Protection Class:	IP66				
Mounting:	Wall Mounting, Hook Mounting, Pole Mounting				
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 2, Zone 21&22				

► G Series

Copper free aluminum housing. Heavy duty and high impact resistance design. Stainless steel hardware. Anti-static and anti-corrosion coating. Flat and globe glass lens. Replaceable LED board & driver. Marine rated powder coating.



Model:	EX-10W GYZDA	EX-20W GYZDA	EX-30W GYZDA	EX-40W GYZDA	EX-50W GYZDA
Rated Wattage(W):	10	20	30	40	50
Rated Lumen(Lm):	1,400	2,800	4,200	5,600	7,000
Dimension(mm):	H312xØ175				
Voltage Option:	AC100-277V/DC12-48V				
CCT:	2,200-7,000K				
Beam Angle(Deg):	40/60/90/120				
CRI:	>70				
Control Option:	0-10V DC				
Protection Class:	IP66				
Mounting:	Ceiling Mounting, Wall Mounting, Pole Mounting, Pendant Mounting				
Compliance:	ETL/UL1598/UL1598A/UL844/IECEX/ATEX/ABS/CB				
Rating:	Class I, Division 1&2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22				

HAZARDOUS LOCATION LUMINAIRES

► H Series

Copper free aluminum housing. Heavy duty and high impact resistance design. Stainless steel hardware. Replaceable LED board & driver. Thermal shock resistant PC diffuser. Design for humid, corrosive and dusty locations. Marine rated powder coating.



Model:	EX-20W H2YZDA	EX-40W H2YZDA	EX-40W H4YZDA	EX-60W H4YZDA	EX-80W H4YZDA
Rated Wattage(W):	20	40	40	60	80
Rated Lumen(Lm):	2,800	5,600	5,600	8,400	11,200
Dimension(mm):	599x122x119		1199x122x119		
Voltage Option:	AC100-277V/DC12-48V/AC200-480V				
CCT:	2,200-7,000K				
Beam Angle(Deg):	120				
CRI:	>70				
Control Option:	0-10V DC				
Protection Class:	IP65				
Mounting:	Ceiling Mounting, Wall Mounting, Pole Bracket Mounting				
Compliance:	ETL/UL1598/UL1598A/UL844/IECEX/ATEX/ABS/CB				
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 2, Zone 21&22				

► I Series

Copper-free aluminum housing. Stainless steel hardware. High impact resistance design. Replaceable LED board & driver. Marine rated powder coating. High explosion-proof rating for high harsh locations.



Model:	EX-20W I2YZD	EX-40W I2YZD	EX-60W I2YZD	EX-60W I4YZD	EX-80W I4YZD	EX-100W I4YZD	EX-120W I4YZD
Rated Wattage(W):	20	40	60	60	80	100	120
Rated Lumen(Lm):	2,800	5,600	8,400	8,400	11,200	14,000	16,800
Dimension(mm):	592x140x132			1171x140x132			
Voltage Option:	AC100-277V/DC12-36V/AC200-480V						
CCT:	2,200-7,000K						
Beam Angle(Deg):	40/60/90/120						
CRI:	>70						
Control Option:	0-10V DC						
Protection Class:	IP66						
Mounting:	Ceiling Mounting, Wall Mounting, Pole Bracket Mounting, Chain Mounting, Pole Pendant Mounting						
Compliance:	ETL/UL1598/UL1598A/UL844/IECEX/ATEX/ABS/CB						
Rating:	Class I, Division 1&2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22						

HAZARDOUS LOCATION LUMINAIRES

► O Series

Compact structure, small size and lightweight for easy installation. High vibration and high impact resistance. Protective metal cage against light potential damage. Durable design for rugged environment and work site. Impact resistance and thermally stable toughened glass.



Model:	EX-10W OYZDAM	EX-20W OYZDAM	EX-30W OYZDAM	EX-40W OYZDAM
Rated Wattage(W):	10	20	30	40
Rated Lumen(Lm):	1,400	2,800	4,200	5,600
Dimension(mm):	H332xW145			
Voltage Option:	AC 100-277V/200-480V			
CCT:	2,200-7,000K			
Beam Angle(Deg):	40/60/90/120			
CRI:	>70			
Working Temperature:	-40°C to +60°C			
Housing Material:	Copper Free Aluminum			
Protection Class:	IP66			
Mounting:	Ceiling Mounting, Wall Mounting, Pole Mounting, Wall Mounting with Reflector			
Compliance:	UL1598A/UL844/IECEX/ATEX/CB			
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22			

► R Series (Stainless Steel LED Linear Luminaires)

ATEX and IECEx certified. Heavy duty and impact resistance. Heat-sinking technology ensures long lifespan and low light decline. Waterproof and vapor/ dust/explosion proof.



Model:	EX-20W R2YZD	EX-30W R2YZD	EX-40W R4YZD	EX-50W R4YZD	EX-60W R4YZD
Rated Wattage:	2x10W/2ft	2x15W/2ft	2x20W/4ft	2x25W/4ft	2x30W/4ft
Rated Lumen(Lm):	2,800	4,200	5,600	7,000	8,400
Dimension(mm):	698x221x122		1321x221x140		
Voltage Option:	AC 100-277V/200-480V				
CCT:	2,200-7,000K				
Beam Angle(Deg):	120				
CRI:	>70				
Control:	DC 0-10V				
Protection Class:	IP66				
Mounting:	Surface Mounting, Pendant Mounting, Wall Mounting, Pole Mounting				
Compliance:	UL1598/UL1598A/UL844/IECEX/ATEX/CB				
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22				

HAZARDOUS LOCATION LUMINAIRES

▶ RL Series (LED GRP Linear Luminaires)

LED explosion proof light with internal switch. PC body and PC cover. Water-proof, vapor-proof, dust-proof, and corrosion resistant. High-quality SMT LED and Meanwell driver.



Model:	EX-20W RL2YZD	EX-30W RL2YZD	EX-40W RL4YZD	EX-50W RL4YZD	EX-60W RL4YZD	EX-40W RL5YZD	EX-50W RL5YZD	EX-60W RL5YZD
Rated Wattage:	2×10W/2ft	2×15W/2ft	2×20W/4ft	2×25W/4ft	2×30W/4ft	2×20W/4ft	2×25W/4ft	2×30W/4ft
Rated Lumen(Lm):	2,800	4,200	5,600	7,000	8,400	5,600	7,000	8,400
Dimension(mm):	698x221x122		1321x221x140			1621x221x140		
Voltage Option:	AC100-277V/200-480V							
CCT:	2,200-7,000K							
Beam Angle(Deg):	120							
CRI:	>70							
Control:	DC 0-10V							
Protection Class:	IP66							
Mounting:	Surface Mounting, Pendant Mounting, Wall Mounting, Pole Mounting							
Compliance:	IECEX/ATEX							
Rating:	Class I, Division 2, Zone 1&2, Zone 21&22							

▶ D3/D4 Series

D3 D4 series LED explosion proof light is suitable for various harsh and hazardous application scenarios. Marine rating powder coated finish for excellent corrosion resistance. Dimmable and battery backup function available.



D3: without Junction Box D4: with Tempered Glass

Model:	EX-xxxW D3 YZD	EX-xxxW D4 YZD
Rated Wattage:	100/150/200/220W	38/58/68W
Efficiency:	140 lm/W	103 lm/W
Dimension(mm/inch):	407.2x289x311.5mm(16.03x11.38x12.26inch)	301.4x220x229mm(11.86x8.66x9.01inch)
Voltage Option:	100-277VAC/200-480VAC or 12-48VDC	
CCT:	2,200-7,000K	5000K
Beam Angle(Deg):	40/60/90/120	
CRI:	>70	
IK Rating	IK10	
Protection Class:	IP66	
Mounting:	Wall mounting, Ceiling mounting, Pole mounting	
Compliance:	UL844/UL1598/UL1598A,/ABS	
Rating:	Class I, Division 2, Zone 1&2, Zone 21&22	

HAZARDOUS LOCATION LUMINAIRES

▶ S Series

**Two protection types:
Flame-proof type, Flame-proof and increased safe type**

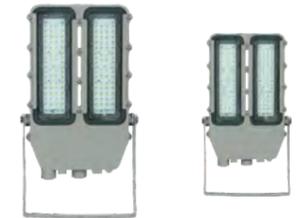
Fixture constructed of die-casting aluminum and epoxy powder coat. Compact structure, small size and lightweight for easy installation. High vibration and impact resistant. Heat and impact resistant glass lens. Changeable light source and battery to make replacement very easy.



Model:	EX-20W S1 N*D*	EX-40W S1 N*D*	EX-60W S1 N*D*	EX-80W S1 N*D*	EX-100W S2 N*D*	EX-150W S2 N*D*	EX-200W S2 N*D*
Rated Wattage(W):	20	40	60	80	100	150	200
Rated Lumen(Lm):	2,800	5,600	8,400	11,200	14,000	21,000	28,000
Dimension(mm):	W270xH304			W270xH461			
Voltage Option:	AC 100-277V/200-480V						
CCT:	2,200-7,000K						
Beam Angle(Deg):	40/60/90/120						
CRI:	>70						
Control:	DC 0-10V						
Protection Class:	IP66						
Mounting:	Bracket Surface Mounting, Pendant Mounting, Pole Mounting						
Compliance:	IECEX/ATEX/CB						
Rating:	Zone 1&2, Zone 21&22						

▶ STA Series

ATEX and IECEx certified. Copper free aluminum body and frame-corrosion resistant. Easy for angle adjustment. Heat-sinking technology ensures long lifespan and low light decline. High luminous efficacy-Up to 120-140 lm/W. Valid over the entire temperature range from -40°C to 60°C (-40°F to 140°F).



Model:	EX-xxW STA1	EX-xxW STA2
Rated Wattage(W):	10-200	10-150
Efficiency:	120-140 lm/W	
Dimension(mm):	264x414x73	277x434x84
Voltage Option:	AC 100-305/180-525V	
CCT:	2,700-7,000K	
Beam Angle(Deg):	Type III 10-120 Degree	
CRI:	>70	
Control:	0-10V	
Working Temperature:	-40°C to +65°C	
Protection Class:	IP66	
Mounting:	Wall Mounting, Pole Mounting	
Compliance:	UL844/ATEX/IECEX/CB	
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 2, Zone 21&22	

HAZARDOUS LOCATION LUMINAIRES

▶ STA4/STA5 Series

STA4/STA5 Series work as LED flood light rated for hazardous and wet locations. Die-cast aluminum housing and compact structure. Three types for choice include PC cover, glass cover, and glass cover with guard.



Model:	EX-XXXW STA4YZD	EX-XXXW STA5YZD
Rated Wattage(W):	80W	130W
Dimension of Glass Type:	295x163x135mm	356x193x188mm
Dimension of PC Type:	295x163x154mm	356x193x205mm
Dimension of Glass+Guard:	295x171x166mm	356x195x212mm
Efficiency:	140 lm/W	
Voltage Option:	AC120-277V, AC200-480V; DC12-48V	
CCT:	2,700-6,500K	
CRI:	>70	
Working Temperature:	-40°C to +65°C	
Emergency Time	>1.5Hrs	
Compliance:	IECEX/ATEX/CB	
Rating:	Zone 1&2, Zone 21&22	

▶ EX-A5/A6 Series Explosion-proof Luminaire

Wide and narrow optics for uniform illumination. Copper free aluminaire body and corrosion resistant frame. Up to 50,000 hours LED service life.



Model:	A5	A6
Rated Wattage(W):	50/60/70/80/100/ 120/135/150/180/ 200/240	50/60/70/80/ 100/120
Voltage:	AC110-277V/AC120-277V/AC220-240V	
Dimension(mm):	460x546x81	391x424x71
CRI:	>70	
CCT:	2,200-7,000K	
Beam Angle(Deg):	30/60/90/120/T2-M/T3-M/T4-M	
Operating Temperature:	-40°C to +65°C	
Protecting Degree:	IP66	
Compliance:	IECEX/ATEX/CB	
Rating:	Zone 1&2, Zone 21&22	

HAZARDOUS LOCATION LUMINAIRES

▶ EX-A7/A8 Series Explosion-proof Luminaire

Wide and narrow optics for uniform illumination. Copper free aluminaire body and corrosion resistant frame. Up to 50,000 hours LED service life.



Model:	A7	A8
Rated Wattage(W):	100/120/140/160/ 200/240/270/300/ 360/400/480	100/120/140/ 160/200/240
Voltage:	AC110-277V/AC120-277V/AC220-240V	
Dimension(mm):	874x419x81	675x350x71
CRI:	>70	
CCT:	2,200-7,000K	
Beam Angle(Deg):	30/60/90/120/T2-M/T3-M/T4-M	
Operating Temperature:	-40°C to +65°C	
Protecting Degree:	IP66	
Compliance:	IECEX/ATEX/CB	
Rating:	Zone 1&2, Zone 21&22	

▶ EX-A9/A10 Series Explosion-proof Luminaire

Wide and narrow optics for uniform illumination. Copper free aluminaire body and corrosion resistant frame. Up to 50,000 hours LED service life.



Model:	A9	A10
Rated Wattage(W):	50/60/70/80/ 100/120/135/ 150/180/200/240	50/60/70/ 80/100/120
Voltage:	AC110-277V/AC120-277V/AC220-240V	
Dimension(mm):	460x320x81	388x249x71
CRI:	>70	
CCT:	2,200-7,000K	
Beam Angle(Deg):	30/60/90/120/T2-M/T3-M/T4-M	
Operating Temperature:	-40°C to +65°C	
Protecting Degree:	IP66	
Compliance:	IECEX/ATEX/CB	
Rating:	Zone 1&2, Zone 21&22	

HAZARDOUS LOCATION LUMINAIRES

▶ CPA Series Explosion Proof Canopy Light

Efficiency up to 140 lumen per watt. Slim and compact design. Applicable to oil and gas, chemical, metal treatment, food and alcohol industry.



Model:	EX-40W CPAYZ	EX-60W CPAYZ	EX-80W CPAYZ	EX-150W CPAYZ
Rated Wattage(W):	40	60	80	150
Rated Lumen(Lm):	5,600	8,400	11,200	21,000
Dimension(mm):	460x470x310			
Voltage Option:	AC100-277V/DC36V			
CCT:	2,200-7,000K			
CRI:	>70			
Housing:	Copper free aluminum			
Lens:	Glass			
Protection Class:	IP66			
Compliance:	ATEX/IECEX			
Rating:	Zone 2, Zone 21&22			

▶ ES01 EX-escape Sign Luminaires

Suitable for wall, ceiling or pendant mounting. Can be fitted to order with emergency exit signs. Central locking. Low working wattage for energy saving. 15w version available, switchable to ordinary illumination. Up to 5 years limited warranty option. Emergency time at least 180 minutes. Up to 50,000 hours lifespan.



Model:	EX-1W EYZDA	EX-2W EYZDA	EX-3W EYZDA	EX-15W EYZDA
Rated Wattage(W):	1	2	3	15
Voltage Option:	AC100-277V; AC/DC12-36V			
Dimension(mm):	475x198x96(LxHxW)			
CCT:	2,200-7,000K(EX-15W EYZDA)			
Protection Class:	IP66			
Mounting:	Wall Mounting, Ceiling Mounting, Pendant Mounting			
Compliance:	IECEX/ATEX/CB			
Rating:	Zone 1&2, Zone 21&22			

HAZARDOUS LOCATION LUMINAIRES

▶ ES02A1 Series EX Luminaire / ES02A2 Emergency Light

High durability and reliability. High leakproofness up to IP66. Low working wattage for energy saving. Provided with 3/4" NPT or M25 conduit hubs. Edge-lit sign. Can be used outdoors. Emergency time at least 180 minutes. Up to 50,000 hours lifespan.



Model:	EX-5W ES02A1/A2N50	EX-10W ES02A1/A2N50	EX-15W ES02A1/A2N40	EX-20W ES02A1/A2N40
Wattage(W):	5	10	15	20
Rated Lumen(Lm):	550	1100	1650	2200
Dimension(mm):	385x188x136(small housing)		443x267x162(big housing)	
Voltage:	AC100-277V, or DC 12-48V			
Lifespan:	Up to 50,000 Hours			
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)			
Protection Class:	IP66			
Mounting:	Wall Mounting			
Compliance:	IECEX/ATEX/CB			
Rating:	Zone 1&2, Zone 21&22			

▶ ES02B1 Series EX-emergency Light

High durability and reliability. High leakproofness up to IP66. Low working wattage for energy saving. 3/4" NPT or M25 conduit hubs. Edge-lit sign. Can be used outdoors. Emergency time at least 180 minutes. Up to 50,000 hours lifespan.



Model:	EX-xxxW ES02B1
Wattage(W):	6
Rated Lumen(Lm):	540
Dimension(mm):	442x381x174
Voltage:	AC100-277V
Emergency Time:	180 mins
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

HAZARDOUS LOCATION LUMINAIRES

HAZARDOUS LOCATION LUMINAIRES

▶ ES02B2 Series Explosion Proof Exit Sign

Low working wattage for energy saving. Hinged-access door. Can be used outdoors. Long lifespan up to 50,000 hours. Provided with 3/4" NPT or M25 conduit hubs. Various label content for choice. Label content can be customized (various languages and exit signs are available).

Exit Sign's Content:



Model:	EX-xxxW ES02B2A/B/C/D/E/F/G/H/I/J/K
Wattage(W):	3 to 6
Rated Lumen(Lm):	650
Dimension(mm):	443x267x162
Voltage:	AC100-277V
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

▶ ES02B3 Series Exit Sign with Emergency Backup Battery

3-hour emergency operation. Low working wattage for energy saving. Hinged-access door. Can be used outdoors. Long lifespan up to 50,000 hours. Provided with 3/4" NPT or M25 conduit hubs. Various label content for choice - refer to ES02B2. Label content can be customized (various languages and exit signs are available).



Model:	EX-xxxW ES02B3A/B/C/D/E/F/G/H/I/J/K
Wattage(W):	3 to 6
Dimension(mm):	443x468x175
Voltage:	AC100-277V, or DC 12-48V
Emergency Time:	180 mins
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

▶ ES02B4 Series Exit Sign and Emergency Light

Two high-lumen spot lights can be adjusted in horizontal and vertical directions. Edge-lit sign. Low working wattage for energy saving. Hinged-access door. Can be used outdoors. Long lifespan up to 50,000 hours. Provided with 3/4" NPT or M25 conduit hubs. Various label content for choice - refer to ES02B2. Label content can be customized (various languages and exit signs are available).



Model:	EX-6W ES02B4A/B/C/D/E/F/G/H/I/J/K
Wattage(W):	Spot light: 6W; Exit sign: 3W to 6W
Rated Lumen(Lm):	540
Emergency Time:	180 mins
Dimension(mm):	443x380x162
Voltage:	AC100-277V, or DC 12-48V
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

▶ ES02B5 Series Exit Sign and Emergency Light

Two high-lumen spot lights can be adjusted in horizontal and vertical directions. Edge-lit sign. Low working wattage for energy saving. Hinged-access door. Can be used outdoors. Long lifespan up to 50,000 hours. Provided with 3/4" NPT or M25 conduit hubs. Various label content for choice - refer to ES02B2. Label content can be customized (various languages and exit signs are available).



Model:	EX-6W ES02B5A/B/C/D/E/F/G/H/I/J/K
Wattage(W):	Spot light: 6W; Exit sign: 3W to 6W
Rated Lumen(Lm):	540
Emergency Time:	180 mins
Dimension(mm):	443x582x175
Voltage:	AC100-277V, or DC 12-48V
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

HAZARDOUS LOCATION LUMINAIRES

▶ ES02C1 Series Emergency Light

Two high-lumen spot lights can be adjusted in horizontal and vertical directions. Edge-lit sign. Low working wattage for energy saving. Hinged-access door. Can be used outdoors. Long lifespan up to 50,000 hours. Provided with 3/4" NPT or M25 conduit hubs.



Model:	EX-6W ES02C1
Wattage(W):	6
Rated Lumen(Lm):	540
Emergency Time:	180 mins
Dimension(mm):	305x166x321
Voltage:	AC100-277V
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

▶ ES02D1 Series Emergency Light

Two high-lumen spot lights can be adjusted in horizontal and vertical directions. Edge-lit sign. Low working wattage for energy saving. Hinged-access door. Can be used outdoors. Long lifespan up to 50,000 hours. Provided with 3/4" NPT or M25 conduit hubs.

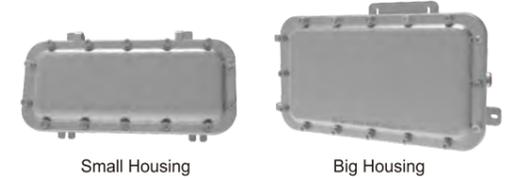


Model:	EX-6W ES02D1
Wattage(W):	6
Rated Lumen(Lm):	540
Emergency Time:	180 mins
Dimension(mm):	333x226x306
Voltage:	AC100-277V
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

HAZARDOUS LOCATION LUMINAIRES

▶ ES02C2 Series Explosion Proof Junction Box

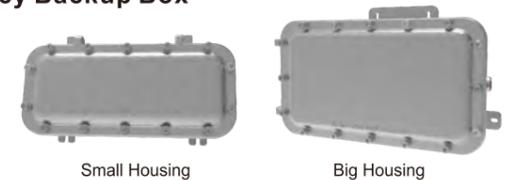
Die-casting aluminum body. Hinged-access door. Can be used outdoors. Provided with 3/4" NPT or M25 conduit hubs. Small and big housings available.



Model:	EX-ES02C2
Voltage:	Max. AC800V
Cable Cross Section & Currency:	2.5mm ² 24A; 4.0mm ² 32A; 6.0mm ² 41A; 10mm ² 57A; 16mm ² 76A; 35mm ² 125A; 70mm ² 192A; 240mm ² 400A
Dimension(mm):	385x188x136(small housing), 443x267x162(big housing)
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-20°C to 60°C (-4°F to 140°F)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

▶ ES02C3 Series Explosion Proof Emergency Backup Box

Die-casting aluminum body. Hinged-access door. Can be used outdoors. Provided with 3/4" NPT or M25 conduit hubs. Small and big housings available.



Model:	EX-ES02C3
Universal Input Voltage:	AC100-277V, 50/60Hz
AC Input Current:	100mA max.
AC Input Power Rating:	7W max.
Output Current and Voltage:	410-800mA, 25-48Vdc
Output Power:	20W
Emergency Time:	1.5H (standard) or 3H (optional)
Full Warranty:	3 years
Test Switch Indicator Light:	Illuminated Test Switch, Red, Green, Yellow indicator Light
Battery:	LiFeP04 battery - 12.8V/3000mAh or 6000mAh
Battery Charging Current:	250mA
Charging Time:	≥24 hours
Ambient Temperature:	0°C to +50°C (32°F to +122°F)
Dimension(mm):	385x188x136(small housing), 443x267x162(big housing)
Protection Class:	IP66
Mounting:	Wall Mounting
Compliance:	IECEX/ATEX/CB
Rating:	Zone 1&2, Zone 21&22

HAZARDOUS LOCATION LUMINAIRES

▶ ES03A2 Series Exit Sign and Emergency Light ES03A3 Series Exit Sign

For ES03A2/ES03A3:
Label content can be customized. Low working wattage for energy saving.
Hinged access door. 3/4" NPT or M25 conduit hubs.

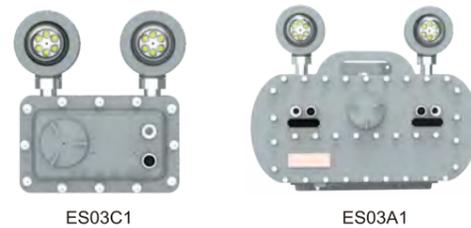
For ES03A2:
Independent battery backup system for exit sign (1W-5W) and spot lights (10W-18W). Edge-lit sign. Two high-lumen spot lights can be adjusted in horizontal and vertical directions. 3-hour emergency operation. Red, yellow, green or other LED options. The LED circuit board and driver are not replaceable on site. Beam angle: 90° or 120°; lamp adjustable angle: 0° to 180°.



Model:	EX-xxxW ES03A2	EX-xxxW ES03A3
Wattage(W):	3W/5W/8W/10W	3W/5W/8W/10W
Rated Lumen(Lm):	285 / 475 / 720 / 900	/
Emergency Time:	180 mins	/
Dimension(LxWxH):	546x159x648mm	546x159x539mm
Voltage:	AC100-277V or DC12-48V	AC100-277V or DC12-48V
Lifespan:	Up to 50,000 Hours	Up to 50,000 Hours
Ambient Temperature:	-40°C to 65°C (-40°F to 149°F)	-40°C to 65°C (-40°F to 149°F)
Protection Class:	IP66	IP66
Impact Level:	IK10 (enclosure); IK08 (glass)	IK10 (enclosure); IK08 (glass)
Mounting:	Wall Mounting	Wall Mounting
Compliance:	Class I, Division 1, Groups C, D; Class I, Division 2, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class II, Division 2, Groups F, G; Class III; UL 844; UL 924; UL 1598A; UL 1598; UL 8750; ETL; NEMA 4X	

▶ ES03C1 / ES03A1 Series Emergency Light

Low working wattage for energy saving. Hinged access door. 3/4" NPT or M25 conduit hubs. Edge-lit sign. Two high-lumen spot lights can be adjusted in horizontal and vertical directions. 3-hour emergency operation. Red, yellow, green or other LED options. The LED circuit board and driver are not replaceable on site. Beam angle: 90° or 120°; lamp adjustable angle: 0° to 180°.



Model:	EX-xxxW ES03C1N50	EX-xxxW ES03A1N50
Wattage(W):	3W/5W/10W	3W/5W/8W/10W
Rated Lumen(Lm):	285 / 475 / 900	285 / 475 / 720 / 900
Emergency Time:	180 mins	180 mins
Dimension(LxWxH):	305x165.5x320mm	546x159x430mm
Voltage:	AC100-277V	AC100-277V or DC12-48V
Lifespan:	Up to 50,000 Hours	Up to 50,000 Hours
Ambient Temperature:	-40°C to 65°C (-40°F to 149°F)	-40°C to 65°C (-40°F to 149°F)
Protection Class:	IP66	IP66
Impact Level:	IK10 (enclosure)	IK10 (enclosure)
Mounting:	Wall Mounting	Wall Mounting
Compliance:	Class I, Division 1, Groups C, D; Class I, Division 2, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class II, Division 2, Groups F, G; Class III; UL 844; UL 924; UL 1598A; UL 1598; UL 8750; ETL; NEMA 4X	

HAZARDOUS LOCATION LUMINAIRES

▶ ES03C2 / ES03A4 Series Junction Box and Emergency Battery Backup Box

3/4" NPT or M25 conduit hubs.
3-hour emergency operation.
A360 Die-casting aluminum housing.



Model:	EX-PD61-YJ01 ES03C2	EX-PD61-YJ01 ES03A4
Voltage:	Max. AC800V	
Cable Cross Section & Currency:	2.5mm ² 24A; 4.0mm ² 32A; 6.0mm ² 41A; 10mm ² 57A; 16mm ² 76A; 35mm ² 125A; 70mm ² 192A; 240mm ² 400A	
Dimension(LxWxH):	281x166.5x170mm/314x122.5x201mm	546x159x312mm
Lifespan:	Up to 50,000 Hours	
Ambient Temperature:	-40°C to 65°C (-40°F to 149°F)	
Protection Class:	IP66	
Impact Level:	IK10 (enclosure)	
Mounting:	Wall Mounting	
Compliance:	Class I, Division 1, Groups C, D; Class I, Division 2, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class II, Division 2, Groups F, G; Class III; UL 844; UL 924; UL 1598A; UL 1598; UL 8750; ETL; NEMA 4X	

▶ J Series Explosion Proof Edge Lit LED Exit Sign

Low energy consumption (3W to 5W). 3-hour emergency operation.
Alternate exit legend and languages available. Provided with 3/4" NPT or M25 conduit hubs. Edge-lit sign. Suitable for wet location.



Model:	EX-xxxW JNGD180
Wattage(W):	3W to 5W
Dimension(mm):	417x116x424
Voltage:	AC100-277V (3W); AC100-347V (5W)
Emergency Time:	180 mins
Lifespan:	Up to 50,000 Hours
Ambient Temperature:	-40°C to 60°C (-40°F to 140°F)
Mounting:	Wall Mounting, Pendant Mounting, Pendant Mounting with Safe-wire
Compliance:	Class I, Division 1, Groups B, C, D; Class I, Division 2, Groups A, B, C, D; Class II, Division 1, Groups E, F, G; Class II, Division 2, Groups F, G; Class III; UL 924; UL 844; UL 121201/CSA NO.213; CSA C22.2 No.137-18

HAZARDOUS LOCATION LUMINAIRES

► V Series EX-exit Emergency Light

Fully electrical circuit control. Outdoor use and resistant to saltwater. Effective panel illumination and visible through smoke or obstruction. The latest LED technology contributes to the high efficiency of this emergency lighting products.



Model:	EX-3W VYZDA	EX-5W VYZDA
Rated Wattage(W):	3	5
Voltage Option:	AC: 100-277V; AC/DC: 12-48V	
Dimension(mm):	409x281x46	
Emergency(optional):	3 Hours	
CCT:	2,200-7,000K	
Mounting:	Pendant Mounting	
IP:	66	
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 2, Zone 21 & 22	
Compliance:	UL844/UL1598/UL1598A/IECEX/ATEX/CB /CSA/ETL	
Rating:	Class I, Division II; Zone 1&2, Zone 21&22	

► L Series

The hazardous location L series is rated and certified for use in all types of hazardous application. The L series is a hand-held work site luminaire for task or general illumination in small and confined spaces.



Model:	EX-5W LXYZDA	EX-10W LXYZDA	EX-20W LXYZDA	EX-30W LXYZDA	EX-5W LLXYZDA	EX-10W LLXYZDA	EX-20W LLXYZDA	EX-30W LLXYZDA
Rated Wattage(W):	5	10	20	30	5	10	20	30
Rated Lumen(Lm):	500	1000	2000	3000	500	1000	2000	3000
Dimension(mm):	H523xØ130							
Voltage Option:	AC 100-277V/200-480V							
CCT:	2,200-7,000K							
Protection Class:	IP67							
Mounting:	Hand Grip/Integrated Hanger Hook							
Compliance:	UL1598/UL1598A/UL844/IECEX/ATEX/CB							
Rating:	Class I, Division 1&2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22							

HAZARDOUS LOCATION LUMINAIRES

► WKC Series

Safe and reliable. Strong impact resistance. Environmental friendly. Easily switch between different modes. Handy, portable and magnet adsorption. Protection class: IP65.



Model:	EX-xxxW-WKC1YZDA	EX-xxxW-WKC2YZDA
Rated Wattage(W):	10	
Rated Lumen(Lm):	1,000	1,170
Dimension(mm):	129x129x231	282x178x124
Voltage:	100-240V	
CCT:	2,200-7,000K	
CRI:	>70	
Compliance:	IECEX/ATEX/CB	
Rating:	Zone 2, Zone 22	

► WKE Series

ATEX and IECEx certified. Approved for explosive Gas and Dust atmospheres. Ultra bright high power LED light 350+ lumens. Spot and flood switchable beam options. Up to 11 hours duration on full power, 22 hours in signal light mode. T4 temperature class.



Model:	EX-002W-WKE-RY	EX-002W-WKE-RG
Rated Wattage(W):	2	
Ambient Temperature:	-20°C to +40°C	
Housing Material:	Impact Resistant Thermoplastic, Electrostatic Non-hazardous	
Light Source Output:	>350Lm(White)	
Light Source Life:	>25,000 H	
Power Source Type:	Rechargeable Battery, Lithium-Ion	
Power Source Life:	Up to 500 Recharge Cycles	
Light Duration:	Up to 11/22 Hrs	
Recharge Time:	4.5H	
Compatible Charger:	AC 90-264V	
IP:	66	
Compliance:	UL913/ATEX/IECEX/CB	
Rating:	Class I, Division 1&2; Class II, Division 1; Class II, Division 2; Class III; Zone 0, 1, and 2, Zone 21&22	

HAZARDOUS LOCATION LUMINAIRES

► WKG Series

ATEX and IECEx certified. T4 temperature class. Proven impact resistance. Single handed switching. Switch protection shroud.



Model:	EX-002W-WKG
Rated Wattage(W):	2
Rated Lumen(Lm):	210
Dimension(mm):	173x46(LxW)
Ambient Temperature:	-40°C to 40°C
All Sealing Gasket:	COT: -40°C to 200°C
Compliance:	ATEX/IECEX
Rating:	Zone 0, 1 & 2, Zone 20, 21 & 22

► Ex-MV01 Series

ATEX and IECEx certified. Plastic body and frame-corrosion resistant. Easy for angle adjustment. Portable working and emergency light. High luminous efficacy-Up to 1600 Lm. Valid over the entire temperature range from -20°C to 40°C (-4 °F to 104°F).



Model:	Ex-19.5W-MV01
Rated Wattage:	Max 19.5W
Rated Lumens(Lm):	Max 1,600
Dimension(mm):	355x206(LxW)
Deployable Height :	Min.22.3, Max.31.5, or Min.25.0, Max.35.8
Voltage:	10.8V(Battery); AC100V/277V(Charger)
CCT:	30:3,000K, 40:4,000K, 50:5,000K, 65:6,500K
Beam Angle(Deg):	125
Working Time :	10H(Max.)
Charging Voltage:	DC 10.8-14.4V
Battery Capacity:	10.8V, 9Ah
Compliance:	UL913/UL1598/ATEX/IECEX/CSA/CB
Rating:	Class 1, Division 1; Zone 0, 1, and 2

MOTION SENSOR&JUNCTION BOX

► EX-IN01-B-MS/OS/MO Series

ATEX and IECEx certified. Copper-free aluminum body, plastic-sprayed surface. Compact and small housing, can be fixed inside most luminaires. An innovative and active motion detector with 5.8GHz HF system. Wide detection area, up to 16m in diameter. Automatic switch on/off based on motion and ambient light level.



Model:	EX-IN01-B MS/OS/MO
Power Consumption:	≤0.5W(standby)
Rated Load:	120V@400W;220-240V@800W;277V@1,000W
HF System:	5.8GHz±75MHz, ISM wave band
Rated Voltage:	120~277VAC, 50Hz
Detection Zone:	Max. (D x H): 16m x 15m
Detection Sensitivity:	25%/50%/75%/100%
Hold Time:	5s/30s/90s/3min/20min/30min
Protecting Degree:	IP66-IP67
Motion Detection:	0.5~3m/s
Detection Angle:	150° (wall installation), 360° (ceiling installation)
Daylight Sensor:	5Lux/15Lux/30Lux/50Lux/100Lux/Disable
Standards:	UL/IECEX/ATEX/CB
Rating:	Class I , Division 1&2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22

► Ex-HD51 Series

For general wiring in hazardous locations. Copper free aluminum enclosure. Ex d type flameproof enclosure. Four types of enclosures available. Degree of protection: IP66/IP67.



Model:	Ex-HD51-A Ex-HD51-B Ex-HD51-C Ex-HD51-KB1 Ex-HD51-D Ex-HD51-E Ex-HD51-F Ex-HD51-KYD
Rated Voltage:	Max.800VAC
Rated Current:	24A, 32A, 41A
Ambient Temperature:	-60°C to + 60°C
Terminal:	Type A, D: 2.5mm ² , 4mm ² , Max. 4 sections; Type B, E: 2.5mm ² , 4mm ² , (Max. 6 sections); Type C, F: 2.5mm ² (Max. 12 sections), 4mm ² (Max. 10 sections), 6mm ² (Max. 8 sections); Type KB1, KYD: 2.5mm ² , Max. 3 sections.
Cross Sectional Area of Terminal Cables:	Type A, B, C, D, E, F : 0.2-4mm ² ; Type F, C: 0.2-6mm ² ; Type KB1, KYD: 0.2-2.5mm ² .
Cable Entry:	Type A, B, C, D, E, F, KB1, KYD: M20×1.5. Type A, B, C, D, E, F, KB1, KYD: M25×1.5. Type C, E, F: M32×1.5. Type E, F: M40×1.5. Type F: M50×1.5. Type F: M63×1.5.
Type of Flameproof Joint:	Type A, B, C, D, E, F: Threaded joints; Type KB1: Flanged and threaded joints
Compliance:	UL1203
Rating:	Class I , Division 1&2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22

MOTION SENSOR&JUNCTION BOX

► Ex-IN01 Series

More than 30 kinds of plug-and-play smart sensors are available, such as volatile organic compounds VOC, toxic and harmful electrochemical sensors and oxygen, catalytic combustion sensors and infrared sensor, flexible configuration of any combination of sensors



Model:	EX-IN01-A/B/C/D-CGD/TGD/VOC; EX-IN01-A/B/C/D-SCGD/STGD/SVOC;
Housing Material:	Marine grade copper free aluminum light alloy
Ambient Temperature:	-60°C to 70°C (T6) or -60°C to 85°C (T5); -76°F to 158°F (T6) or -76°F to 185°F (T5)
Finish:	Surface electrostatic powder spraying treatment
Rated Voltage:	DC 24V
Detection Range:	0-1, 2, 5, 10, 50, 100, 500, 1000, 5000, 10000, 50000 (depending on the sensor and technical principle)
Accuracy:	± 3% (different for individual gases)
Response Time:	≤ 3-20s (different for individual gases)
Protecting Degree:	IP66-IP67
Technical Principle:	Electrochemistry, infrared ray, catalytic combustion, PID, semiconductor, optical waveguide, etc
Repeatability:	± 1%
Linear Error:	± 1%
Standards:	UL/IECEX/ATEX/CSA
Rating:	Class I, Division1&2; Class II, Division 1; Class II, Division2; Class III/Zone 1 &2, Zone 21 &22

► EX-IN02-MS/OS/MO Series

Copper-free aluminum body, plastic-sprayed surface . Compact and small housing, can be fixed inside most luminaires. 2-step or 3 step dimming with 1-10V dimmable led driver. Automatic switch on/off based on motion and ambient light level.



Model:	EX-IN02-MS/OS/MO
Rated Voltage:	AC120-277V; AC120-347V; 50/60Hz
Standby Power:	≤ 1.0W
Hold Time:	5s/30s/90s/3min/20min/+∞
Stand-by Dim Level:	10%/20%/30%/50%
Detection Area:	25%/50%/75%/100%
Daylight Sensor:	2 lux/5Lux/10Lux/25Lux/50Lux/100Lux/Disable
Detecting Angle:	150°(Wall mounting); 360°(Ceiling mounting)
Operating Temperature:	-30°C~60°C(-22°F~140°F)
IP:	IP65
Rating:	Class I, Division 2; Zone 1&2, Zone 21&22

MOTION SENSOR&JUNCTION BOX

► Ex-HD51 Series

For general wiring in hazardous locations. Copper free aluminum enclosure. Ex d type flameproof enclosure. Four types of enclosures available. Degree of protection: IP66/IP67.



Model:	Ex-HD51-A	Ex-HD51-B	Ex-HD51-C	Ex-HD51-KB1
Rated Voltage:	Max.800VAC			
Rated Current:	24A, 32A, 41A			
Ambient Temperature:	-60°C to + 55°C			
Terminal:	Type A, B, KB1: 2.5mm ² , 4mm ² , Max. 6 sections; Type C: 2.5mm ² , Max. 12 sections; 4mm ² , Max. 10 sections; 6mm ² , Max. 8 sections.			
Cross Sectional Area of Terminal Cables:	Type A, B, KB1: 0.2-4mm ² ; Type C: 0.2-6mm ² .			
Cable Entry:	Type A, B, KB1: (M20, M25)×1.5 stopping plug Type C: (M20, M25, M32)×1.5 stopping plug; NPT 1/2", NPT3/4", NPT1" stopping plugs			
Type of Flameproof Joint:	Type A, B, C: Threaded joints; Type KB1: Flanged and threaded joints			
Compliance:	ATEX/IECEX/CB			
Standards:	EN 60079-0, EN 60079-1, EN 60079-31, IEC 60079-0, IEC 60079-1, IEC 60079-31			
Rating:	Zone 1&2, Zone 21&22			

CONTROL UNIT SYSTEM & DISTRIBUTION EQUIPMENT

► Control Unit Systems

Copper free aluminum, plastic-sprayed surface. Ex d enclosure. Cable entry customizable. Degree of protection: IP66. Dual and tripartite systems able to install different collocation(such as pushbutton, switch, indicator,ammeter and voltmeter).



Model:	EX-ZA65
Rated Voltage:	Max.800V AC
Rated Current:	Max.10A(AC), 6A(DC); 25A(AC)
Ambient Temperature:	-60°C to +60°C
Cable Entry:	2 ×M25×1.5 stopping plug or 2×NPT3/4"
Cable Entry Device:	Optional
Type of Flameproof Joint:	Cylindrical Joint, Threaded Joint
Built-in Components:	EX-HA pushbutton, EX-D indicator, Switches, Ammeter/Voltmeter
Compliance:	UL/ATEX/IECEX
Standard:	EN IEC 60079-0, EN IEC 60079-1, EN IEC 60079-31
Rating:	Zone 1&2, Zone 21&22

▶ **Ex-PD61 Series**

Copper free aluminum, plastic-sprayed surface. Ex d type flameproof enclosure. Can be used as terminal box, distribution box and control box. Degree of protection: IP66. Compliance: UL/ATEX /IECEX. Rating: Zone 1 & 2, Zone 21& 22.



Model:	Ex-PD61
Rated Voltage:	Max.100V AC, 50/60Hz
Rated Current:	Max.1,200A
Ambient Temperature:	-60°C to + 60°C
Cable Entry:	Standard M□×1.5 Plug
Cable Entry Device:	Optional
Entry Direction:	Bottom
Installation Type:	Wall Mounting(Standard); Bracket Mounting(Optional)
Type of Flameproof Joint:	Cylindrical Joint, Threaded Joint, Plane Joint
Built-in Components:	Main switch: miniature circuit breaker(MCB) or molded case circuit breaker (MCCB) (Noted: earth leakage protection on request); Branch switch: miniature circuit breaker(MCB) or molded case circuit breaker (MCCB) (Noted: earth leakage protection on request); Terminal; Indicator light EX-D: Red, green, yellow, blue; Button EX-A: Red, green, yellow; AC contactor; Thermal overload relay; PLC programmer; Soft starter; Control switch EX-K; Ammeter/Voltmeter
Standard:	EN IEC 60079-0, EN IEC 60079-1, EN IEC 60079-31
Rating:	Zone 1&2, Zone 21&22

▶ **PD61 Series**

Copper free aluminum, plastic-sprayed surface. Ex d type flameproof enclosure. Can be used as terminal box, distribution box and control box.



Model:	EX-PD61
Voltage Option:	Max. 1000V AC, 50/60Hz
Rated Current:	Max. 1,200A
Entry Direction:	Bottom
Cable Entry Device:	Optional
Type of Flameproof Joint:	Cylindrical Joint, Threaded Joint, PlaneJoint
Ambient Temperature	-60°C to +60°C
Protection Class:	IP66
Installation Type:	Wall Mounting (Standard); Bracket Mounting (Optional)
Certificates:	IECEX, ATEX
Standard:	EN 60079-0, EN 60079-1, EN 60079-31, IEC 60079-0, IEC 60079-1, IEC 60079-31
Rating:	Zone 1&2, Zone 21&22

▶ **Ex-PD61-JX-IIB Series**

Copper free aluminum, plastic-sprayed surface. Ex d type flameproof enclosure. Degree of protection: IP67-IP67. Rating: Zone 1 & 2, Zone 21& 22.



Model:	Ex-PD61-JX-IIB
Rated Voltage:	Max.800V
Rated Current:	Cable Cross Section(mm ²) 2.5 4 6 10 16 35 70 240 Rated Current(A) 24 32 41 57 76 125 192 400
Terminal:	Phoenix or Weidmuller
Ambient Temperature:	-60°C to + 60°C
Type of Flameproof Joint:	Plane Joint
Compliance:	UL/ATEX/IECEX
Standard:	EN IEC 60079-0, EN IEC 60079-1, EN IEC 60079-31
Rating:	Zone 1&2, Zone 21&22

▶ **Ex-PD61-ZM Series**

Copper free aluminum, stainless steel. Plastic-sprayed surface. Earth leakage protection device is optional. Degree of protection: IP66-IP67. Rating: Zone 1 & 2, Zone 21 & 22.



Model:	Ex-PD61-ZM
Rated Voltage:	Max.690V AC, 50/60Hz
Rated Current:	Max.100A
Branch Current:	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A
Ambient Temperature:	-60°C to + 55°C
Cable Entry:	Standard M□×1.5 Plug
Cable Entry Device:	Optional
Entry Direction:	Bottom(in and out)
Installation Type:	Wall Mounting(Standard); Bracket Mounting(Optional)
Type of Flameproof Joint:	Cylindrical Joint, Threaded Joint, Plane Joint
Built-in Components:	Main switch: miniature circuit breaker(MCB) or molded case circuit breaker (MCCB) (Noted: earth leakage protection on request); Branch switch: miniature circuit breaker(MCB) or molded case circuit breaker (MCCB) (Noted: earth leakage protection on request); Terminal; Indicator: Red, green, yellow
Compliance:	UL/IECEX/ATEX
Standard:	EN IEC 60079-0, EN IEC 60079-1, EN IEC 60079-31
Rating:	Zone 1&2, Zone 21&22

DISTRIBUTION EQUIPMENT

▶ Ex-PD61-DL Series

Copper free aluminum, stainless steel. Plastic-sprayed surface. Earth leakage protection device is optional. Degree of protection: IP66-IP67. Compliance: UL/IECEX/ATEX. Standard: EN IEC 60079-0, EN IEC 60079-1, EN IEC 60079-31. Rating: Zone 1 & 2, Zone 21 & 22.



Model:	Ex-PD61-DL
Total Power Supply:	Max.690V AC, 50/60Hz
Rated Voltage:	AC 380V/400V, 50/60Hz
Rated Current:	Max.630A
Branch Current:	1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A, 160A, 200A, 250A, 320A, 400A
Cable Entry:	Standard M□×1.5 Plug
Ambient Temperature:	-60°C to + 55°C
Cable Entry Device:	Optional
Entry Direction:	Bottom(in and out)
Installation Type:	Wall Mounting(Standard); Bracket Mounting(Optional)
Type of Flameproof Joint:	Cylindrical Joint, Threaded Joint, Plane Joint
Built-in Components:	Main switch: miniature circuit breaker(MCB) or molded case circuit breaker (MCCB) (Noted: earth leakage protection on request); Branch switch: miniature circuit breaker(MCB) or molded case circuit breaker (MCCB) (Noted: earth leakage protection on request); Terminal; Indicator: Red, green, yellow
Rating:	Zone 1&2, Zone 21&22

▶ Ex-PD61-ZC Series

Copper free aluminum, plastic-sprayed surface. Ex d type flameproof enclosure. Degree of protection: IP66-IP67. Rating: Zone 1 & 2, Zone 21 & 22.



Model:	Ex-PD61-ZC
Rated Voltage:	Max.415V AC
Rated Current:	10A
Ambient Temperature:	-60°C to + 60°C
Cable Entry:	Standard M□×1.5 Plug
Cable Entry Device:	Standard M□×1.5
Entry Direction:	Bottom
Built-in Components:	EX-A Pushbutton, EX-D Indicator, EX-K Control Switch, Explosion-proof Ammeter/Voltmeter
Installation Type:	Wall Mounting
Type of Flameproof Joint:	Cylindrical Joint, Threaded Joint, Plane Joint
Compliance:	UL/ATEX/IECEX
Standard:	EN IEC 60079-0, EN IEC 60079-1, EN IEC 60079-31
Rating:	Zone 1&2, Zone 21&22

DISTRIBUTION EQUIPMENT

▶ Ex-PD61-QD Series

Copper free aluminum, plastic-sprayed surface. Degree of protection: IP66-IP67. Rating: Zone 1 & 2, Zone 21 & 22.



Model:	Ex-PD61-QD
Rated Voltage:	380/400V AC, 50/60Hz
Cable Entry:	Standard M□×1.5 Plug
Cable Entry Device:	Optional
Entry Direction:	Bottom(in and out)
Type of Flameproof Joint:	Cylindrical Joint, Threaded Joint, Plane Joint
Built-in Components:	Miniature circuit breaker(MCB) or moulded case circuit breaker(MCCB) AC contactor, thermal overload relay, indicator, button
Ambient Temperature:	T6/T80°C for Tamb: -60°C to +50°C; T5/T90°C for Tamb: -60°C to +60°C
Compliance:	UL/ATEX/IECEX
Standard:	EN IEC 60079-0, EN IEC 60079-1, EN IEC 60079-31
Rating:	Zone 1&2, Zone 21&22

▶ Ex-PD61-LK Series

Copper free aluminum, plastic-sprayed surface. Earth leakage protection device is optional. Degree of protection: IP66-IP67. Compliance: UL/ATEX/IECEX. Standard: EN IEC 60079-0, EN IEC 60079-1, EN IEC 60079-31. Ambient Temperature: -60°C to + 60°C. Rating: Zone 1 & 2, Zone 21 & 22.



Model:	Ex-PD61-LK-63/□/□/□	Ex-PD61-LK-160/□/□/□	Ex-PD61-LK-250/□/□/□
Circuit Breaker:	Miniature Circuit Breaker (MCB)	Moulded Case Circuit Breaker(MCCB)	Moulded Case Circuit Breaker(MCCB)
Max. Working Voltage:	440V AC, 50/60Hz	690V AC, 50/60Hz, 500V DC	690V AC, 50/60Hz, 500V DC
Rated Voltage:	1P/230V AC, 2P/3P/4P/400V AC, 50/60Hz	-	-
Rated Current:	1/2/4/6/10/16/20/25/32/40/50/63A	Max. 160A	Max.250A
Number of Pole:	1P,2P,3P,4P	3P,4P	3P,4P
Breaking Capacity :	6kA, 10kA, 15kA	380/415V AC 50/60Hz, 36kA/50kA 440V AC 50/60Hz, 30kA/45kA	380/415V AC 50/60Hz, 36kA/50kA 440V AC 50/60Hz, 25kA/40kA
Impulse Withstand Voltage:	6kV	8kV	8kV
Tripping Characteristic:	Instantaneous Tripping Range(5-10) In or(7-10) In or(10-14) In	Thermomagnetic Type	Thermomagnetic Type
Cable Entry:	Standard 1-16A: 2×M25×1.5 Plugs 2-32A: 2×M32×1.5 Plugs 40-63A: 2×M40×1.5 Plugs	80-100A: 2×M50×1.5 Plugs 125-160A: 2×M63×1.5 Plugs	2×M63×1.5 Plugs
Type of Flameproof Joint:	Cylindrical Joint, Plane Joint		
Rating:	Zone 1&2, Zone 21&22		

DISTRIBUTION EQUIPMENT

▶ PD62 Series

IECEX and ATEX certified. Stainless steel enclosure. Various dimensions to meet different requirements.



Model:	EX-PD62-X-X
Voltage Option:	Max. 500V AC
Internal & External Earthing:	M6/M6
Rated Current:	Ex e: 24A(2.5mm ²); 32A(4mm ²); 41A(6mm ²); 57A(10mm ²); 76A(16mm ²); 125A(35mm ²); 192A(70mm ²); 269A(120mm ²); 353A(185mm ²); 415A(240mm ²); Ex ia: 5A(2.5mm ²); 5A(4mm ²)
Enclosure Material:	Stainless steel
Ambient Temperature	Ex e: T6/T80°C for Tamb: -40°C to +40°C; T5/T95°C for Tamb: -40°C to +55°C Ex ia: T6/T80°C for Tamb: -40°C to +55°C
Protection Class:	IP66/IP67 (optional)
Certificates:	IECEX/ATEX
Standard:	EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31; IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31; UL 121201, UL 508, UL 50, UL 50E, UL 508A; CSA C22.2 No.213, CSA C22.2 No.14, CSA C22.2 No.94.1, CSA C22.2 No.94.2
Rating:	Class I, Division 1 & 2; Groups A, B, C, D; Zone 0 & 1 & 2, Zone 21 & 22

▶ PD63 Series

GRP (glass fibre-reinforced polyester resin) enclosure, stainless steel exposed fastener. Various dimensions to meet different requirements.



Model:	EX-PD63-X-X
Rated Voltage:	Max. 690V
Rated Current:	Ex e: 24A(2.5mm ²); 32A(4mm ²); 41A(6mm ²); 76A(16mm ²); 125A(35mm ²) Ex ia: 5A(2.5mm ²); 5A(4mm ²); 5A(6mm ²)
Enclosure Material:	GRP (glass fibre-reinforced polyester resin)
Terminal:	International brand of explosion-proof terminal blocks
Exposed fastener:	Stainless steel
Protection Class:	IP66/IP67 (optional)
Ambient Temperature:	Ex e: T6 for Tamb: -40°C to +40°C; T5 for Tamb: -40°C to +55°C Ex ia: T6 for Tamb: -40°C to +55°C
Certificates:	IECEX/ATEX
Standard:	EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31 IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31
Rating:	Class I, Division 1 & 2; Groups A, B, C, D; Zone 0 & 1 & 2, Zone 21 & 22

DISTRIBUTION EQUIPMENT

▶ PD65 Series

GRP (glass fibre-reinforced polyester resin) enclosure, stainless steel exposed fastener. ATEX & IECEX approved. Various dimensions to meet different requirements.



Model:	EX-PD65-X-X
Rated Voltage:	Max. 800V
Rated Current:	Ex e: 24A(2.5mm ²); 32A(4mm ²); 41A(6mm ²); 57A(10mm ²); 76A(16mm ²); 125A(35mm ²) Ex ia: 5A(2.5mm ²); 5A(4mm ²); 5A(6mm ²)
Enclosure Material:	GRP (glass fibre-reinforced polyester resin)
Terminal:	International brand of explosion-proof terminal blocks
Exposed fastener:	Stainless steel
Protection Class:	IP66/IP67 (optional)
Ambient Temperature:	Ex e: T6 for Tamb: -40°C to +40°C; T5 for Tamb: -40°C to +55°C Ex ia: T6 for Tamb: -40°C to +55°C
Certificates:	IECEX/ATEX
Standard:	EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31 IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31
Rating:	Class I, Division 1 & 2; Groups A, B, C, D; Zone 0 & 1 & 2; Zone 21 & 22

ENCLOSURE

▶ Enclosure for Lighting Control Switch (Motion Sensor)

Copper-free aluminum body, plastic-sprayed surface. Compact and small housing, can be fixed inside most luminaires.



Body Material:	Copper-free aluminum
Surface:	Plastic-sprayed
Operating Temperature:	-30°C~60°C(-22°F~140°F)
IP:	IP66/IP67
Rating:	Class I, Division 1 & 2; Class II, Division 1; Class II, Division 2; Class III; Zone 1 & 2, Zone 21 & 22

CABLE GLAND

▶ Ex-QM01-A1 Series

Ex e, structure. Single seal, suitable for unarmored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM01-A1
Marking ATEX:	II2 GD Ex eb IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1&2, Zone 21&22

▶ Ex-QM03-C1K Series

Single seal, suitable for armored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM03-C1K
Marking ATEX:	II2 GD Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1&2, Zone 21&22

▶ Ex-QM04-B1K Series

Dual seal, suitable for armored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM04-B1K
Marking ATEX:	II2 GD Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1&2, Zone 21&22

CABLE GLAND

▶ Ex-QM05-C1K Series

Single seal, suitable for armored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM05-C1K
Marking ATEX:	II2 GD Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1&2, Zone 21&22

▶ Ex-QM06-B1K Series

Dual seal, suitable for armored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM06-B1K
Marking ATEX:	II2 GD Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1&2, Zone 21&22

▶ Ex-QM10-B1 Series

ATEX and IECEx Certified. Ex d structure.
Single seal, suitable for unarmored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM10-B1
Marking ATEX:	II2 GD Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/ Ex db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1&2, Zone 21&22

CABLE GLAND

▶ Ex-QM12-A1 Series

Ex e structure. Sealing ring, suitable for unarmored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM12-A1
Marking ATEX:	II2 GD Ex eb IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1, Zone 21

▶ Ex-QM13-B1T Series

Dual seal, suitable for unarmored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM13-B1T
Marking ATEX:	II2 GD Ex eb IIC Gb/EX db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/EX db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1, Zone 21

▶ Ex-QM18-C1 Series

Single seal, suitable for unarmored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM18-C1
Marking ATEX:	II2 GD Ex eb IIC Gb/EX db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/EX db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1, Zone 21

CABLE GLAND

▶ Ex-QM21-C1K Series

Single seal, suitable for armored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM22-C1K
Marking ATEX:	II2 GD Ex eb IIC Gb/EX db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/EX db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1, Zone 21

▶ Ex-QM22-B1K Series

Dual seal, suitable for armored cable.
Degree of protection: IP66/IP68.



Model:	Ex-QM22-B1K
Marking ATEX:	II2 GD Ex eb IIC Gb/EX db IIC Gb Ex tb IIIC Db IP66/IP68
Marking IECEx:	Ex eb IIC Gb/EX db IIC Gb Ex tb IIIC Db IP66/IP68
Ambient Temperature:	-50°C ≤ Tamb ≤ +80°C
Connection Thread:	Metric Thread, NPT Thread
Standard:	IEC60079-0:2017, IEC60079-1:2014, IEC60079-7:2017, IEC60079-31:2013, EN60079-0:2012+A11:2013, EN60079-1:2014, EN60079-7:2015, N60079-31:2014
Rating:	Zone 1, Zone 21

PLUG & SOCKET

▶ CZ81-16/32/63/125 Series

Copper free aluminum explosion-proof enclosure. Plastic-sprayed surface. Three types of enclosures optional.



Model:	EX-CZ81-16	EX-CZ81-32	EX-CZ81-63	EX-CZ81-125
Voltage Option:	Max. AC690V	Max. AC690V	Max. AC690V	Max. AC690V
Current (optional):	16A	32A	63A	125A
Socket Cable Entry:	2×M25×1.5(3P/4P), 2×M32×1.5(5P)	2×M32×1.5	2×M40×1.5	1×M63×1.5
Plug Cable Entry:	1×M25×1.5(3P/4P), 1×M32×1.5(5P)	1×M32×1.5	1×M50×1.5	1×M50×1.5
Cable Cross-sectional Area:	2.5mm ² ~4mm ²	4mm ² ~6mm ²	10mm ² ~16mm ²	25mm ² ~35mm ²
Dimension (mm):	350x192	350x192	505x240	675x400x240
Protection Class:	IP66	IP66	IP66-IP67	IP66-IP67
Ambient Temperature:	-60°Cto +55°C	-60°Cto +55°C	-60°Cto +55°C	-60°Cto +55°C
Standard:	EN 60079-0, EN 60079-1, EN 60079-31; IEC 60079-0, IEC 60079-1, IEC 60079-31			
Compliance:	ATEX/IECEX			
Rating:	Zone 1, Zone 21			

▶ CZ82-16/32/63/125 Series

GRP (glass fibre-reinforced polyester resin) enclosure, stainless steel exposed fastener. ATEX & IECEX approved. Various dimensions to meet different requirements.



Model:	EX-CZ82-16	EX-CZ82-32	EX-CZ82-63	EX-CZ82-125
Voltage Option:	Max. AC250V	Max. AC250V	Max. AC250V	Max. AC250V
Current (optional):	10A, 16A	20A, 32A	50A, 60A, 63A	100A, 125A
Socket Cable Entry:	Standard 1 x M25x1.5 cable gland(plastic); 1 x M25x1.5 plug (plastic)	Standard 1 x M40x1.5 cable gland(plastic); 1 x M40x1.5 plug (plastic)	Standard 1 x M50x1.5 cable gland(plastic)	Standard 1 x M63x1.5 cable gland(plastic); 1 x M63x1.5 plug (plastic)
Cable Cross-sectional Area:	2.5mm ² ~4mm ²	4mm ² ~6mm ²	10mm ² ~16mm ²	25mm ² ~35mm ²
Protection Class:	IP66	IP66	IP66	IP66
Ambient Temperature:	-20°Cto +55°C	T5: -20°Cto +40°C T4: -20°Cto +55°C	T5: -20°Cto +40°C T4: -20°Cto +55°C	-20°Cto +55°C
Standard:	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31; IEC 60079-0, IEC 60079-1, IEC 60079-31, IEC 60079-31			
Compliance:	ATEX/IECEX			
Rating:	Zone 1, Zone 21			



▶ INTERIOR RETROFITS & LUMINAIRES

- ▶ Venas interior luminaires are designed to provide both the efficiency and maintenance-free operation of LED with the form factors and features that designers, engineers, and architects require for a full range of applications. These luminaires are ideal for commercial and industrial environments and add to both the aesthetics and quality of illumination. Venas products are used around the world in retail, education, factories and warehouses, and many more applications.
- ▶ Global, national and regional compliance to all the most recent standards for safety, performance and application efficacy.
- ▶ Global production capacities with regional warehousing to fulfill project requirements of any scale large or small.
- ▶ Constant design and performance updates responding to real-world demands for the newest features in all market segments.
- ▶ With millions of units manufactured and installed, Venas products demonstrate a product reliability rate second to none in the lighting industry.

HIGH BAY LUMINAIRES

► UFO(U-C) Series



It features a black die-cast aluminum housing. Dark powder coat corrosion resistant finish provides long hours salt fog rating. Corrosion resistant external hardware standard.



Model:	U-100WC1 YZTXX	U-150WC2 YZTXX	U-200WC3 YZTXX	U-240WC4 YZTXX	U-300WC4 YZTXX
Rated Wattage(W):	100	150(150/100/80)	200(200/150/100)	240(240/200/150)	300(300/240/200)
Rated Lumen 1(Lm):	13,000	19,500	26,000	31,200	39,000
Rated Lumen 2(Lm):	17,000	25,500	34,000	40,800	51,000
Light Efficiency(Lm/W):	140/150/170				
Dimension(mm):	Ø253×149	Ø308×155	Ø353×H160	Ø404×168	Ø404×168
Voltage:	120-277V/120-347V				
CRI:	70/80(optional)				
CCT:	2,200/2,700/3,000/4,000/4,500/5,000K/5,500/6,500K				
Compliance:	DLC/ETL/CE/CB/ENEC/EMC/SAA				
Beam Angle(Deg):	60°/90°/120°				
Power Factor:	>0.9				
Ambient Temperature:	-40°F (-40°C) to 131°F(+55°C)				
Protection Class:	IP65				

HIGH BAY LUMINAIRES

► UFO(U-F)Series



It features a black die-cast aluminum housing. Dark powder coat corrosion resistant finish provides long hours salt fog rating. Corrosion resistant external hardware standard.



Model:	U-400W/500WF YZTXX
Rated Wattage(W):	400/500
Rated Lumen 1(Lm):	54,000(15°; 400W); 65,000(15°; 500W); 82,500(30°/45°/60°; 500W); 68,000(30°/45°/60°; 400W)
Light Efficiency(Lm/W):	135(15°; 400W); 130(15°; 500W); 165(30°/45°/60°; 500W); 170(30°/45°/60°; 400W)
Dimension(mm):	Ø360xH232
Voltage:	120-277V
CRI:	70/80(optional)
CCT:	2700K-6500K
Compliance:	CE/CB/SAA/ENEC/RoHS
Beam Angle(Deg):	15°/30°/45°/60°
Power Factor:	>0.9
Ambient Temperature:	-40°F (-40°C) to 122°F (+50°C)
Protection Class:	IP65

► UFO(U-E)Series



It features a black die-cast aluminum housing. Dark powder coat corrosion resistant finish provides long hours salt fog rating. Corrosion resistant external hardware standard.



Model:	U-100WE1 YZTXX	U-150WE2 YZTXX	U-200WE3 YZTXX	U-240WE3 YZTXX
Rated Wattage(W):	100	150(150/100/80)	200(200/150/100)	240(240/200/150)
Rated Lumen 1(Lm):	13,000	19,500	26,000	31,200
Rated Lumen 2(Lm):	17,000	25,500	34,000	40,800
Light Efficiency(Lm/W):	130/170/190			
Dimension(mm):	Φ248×H167	Φ289×174	Φ336×191	Φ336×191
Voltage:	120-277V/120-347V			
CRI:	70/80(optional)			
CCT:	2,200/2,700/3,000/4,000/4,500/5,000K/5,500/6,500K			
Compliance:	DLC/ETL/CE/CB/ENEC/EMC/SAA/Erp			
Beam Angle(Deg):	90°/120°(fixed); 60°-105°(adjustable)			
Power Factor:	>0.9			
Ambient Temperature:	-40°F (-40°C) to 131°F(+55°C)			
Protection Class:	IP65			

► Water-proof Linear High Bay HB-C Series



Water-proof linear high bay light function well in misty environments with low operating cost and a 100% maintenance free lifespan.



Model:	HB-C100W	HB-C150W
Rated Wattage(W):	100	150
Light Efficiency(Lm/W):	180	
Rated Lumen(Lm):	18,000	27,000
Dimension(mm):	415x341x75	
Voltage:	120-277V/120-347V/277-480V	
CRI:	70/80(optional)	
CCT:	3000K-6500K	
Compliance:	ETL/DLC	
Beam Angle(Deg):	60°/90°/120°	
Power Factor:	>0.9	
Ambient Temperature:	-40°C to 50°C (40°F to 122°F)	
Protection Class:	IP66	

OUTDOOR LIGHTING LUMINAIRES



EXTERIOR LUMINAIRES

- ▶ Venas exterior luminaires are designed to provide both the efficiency and maintenance-free operation of LED with the form factors and features that designers, engineers, and architects require for a full range of applications. These luminaires are ideal for commercial, industrial, government, institutional, and municipal applications.
- ▶ Global, national and regional compliance to all the most recent standards for safety, performance, and application efficacy.
- ▶ Global production capacities with regionalized warehousing to fulfill project requirements of any scale.
- ▶ Constant design and performance updates responding to real-world demands for the newest features in all market segments.
- ▶ With millions of units manufactured and installed, Venas products demonstrate a product reliability rate second to none in the lighting industry.



▶ Shoebox F Series

Die-cast aluminum body and frame-corrosion resistant. Easy installation and maintenance. Extra photocell sensor available. Motion sensor and daylight sensor. Color changeable and power adjustable.



Model:	F1	F2	F3	F5
Rated Wattage(W):	50/80/100	80/100/150	100/150/200	100/250/300
Efficiency:	140lm/W			
Voltage Options:	AC120-277V/120-347V/200-480V			
CCT Options:	2,700-6,500K			
Optics(IES Type):	T2/T3/T4/T5			
CRI:	70/80			
Power Frequency:	50/60Hz			
Power Factor:	0.95			
Protection Class:	Wet Location and IP65			
Working Lifespan:	>50,000H			
Compliance:	ETL/DLC/ENEC/CB/SAA/CE/EMC/ROHS/ERP			



▶ LED Street Light I Series

With highly efficient, low energy-consumption street light, I series bring to you convenience and safety at outdoor areas. Technology innovations are made to ensure that the light can withstand tough environments, and to reduce the maintenance cost to the minimum.



Model:	ST-xxWI1 xyzp	ST-xxWI2 xyzp	ST-xxWI3 xyzp	ST-xxWI4 xyzp	ST-xxWI5 xyzp
Rated Wattage(W):	50	80/100	150	200/250	300
Voltage Options:	AC120-277V				
CCT Options:	2700-6500K				
Beam Angle:	T2M/T3M/T4M				
Efficiency:	130 lm/W; 150 lm/W				
CRI:	70/80				
Power Factor:	≥0.95				
Protection Class:	IP66				
Operating Temperature:	-40°C (-40°F) - +50°C (122°F)				
Compliance:	ENEC/CB/SAA/CE/EMC/ROHS/ERP				

OUTDOOR LIGHTING LUMINAIRES



► Street Light L Series

L series produce ideal light distribution with the highest reliability level-incredibly high over 93% total efficiency, while saving up to 80% energy compared with traditional lighting. With die-cast aluminum housing, rugged and weather-tight design, this durable luminaire can withstand the most demanding elements.



Model:	ST-L150W UXYZ	ST-L1100W UXYZ	ST-L2150W UXYZ	ST-L2200WW UXYZ	ST-L2240W UXYZ
Rated Wattage(W):	50	100	150	200	240
Rated Lumen(Lm):	7,500	15,000	22,500	30,000	36,000
Voltage Options:	AC120-277V				
CCT Options:	3,000-6,500K				
Efficiency:	150 lm/W				
CRI:	70/80				
Power Factor:	≥0.9				
Beam Angle:	T2M/T3M/T4M				
Operating Temperature:	-40°C (-40°F) - +50°C (122°F)				
Compliance:	ENEC/CB/SAA/CE/EMC/ROHS/ERP				

OUTDOOR LIGHTING LUMINAIRES



► LED Sports and Area Flood Light M Series

Extremely long life-span. High durability and reliability. Low working wattage for energy saving. Good heat dissipation. High vibration and impact resistant. Friendly to environment without mercury. Easy and secure installation. Ideal for harsh environment. Uniformity lighting distribution. Listed on ETL.



Model:	SP-M1xxxxW xyzp	SP-M2xxxxW xyzp	SP-M3xxxxW xyzp	SP-M4xxxxW xyzp
Rated Wattage(W):	400/500/600/650	800/1000/1200/1300	1500/1800	2000/2400/2600
Light Efficiency:	130/150 lm/W			
Voltage Options:	AC120-277V/AC277-480V/AC200-240V/AC220-240V			
CCT Options:	2700-6500K/RGB/RGBW			
Beam Angle(Deg):	15°/30°/45°/60°/120°			
CRI:	70/80			
Power Factor:	0.95			
Protection Class:	IP66			
Compliance:	ENEC, CB, CE, SAA, ETL, ROHS, Erp, DLC			



► LED Sports and Area Flood Light J/L Series

Extremely long life-span. Low working wattage for energy saving. High lumen efficiency and high CRI. High vibration and impact resistant. Friendly to environment without mercury. Easy and secure installation. Uniformity lighting distribution. 3-5 years warranty. Listed on ETL.



Model:	SP-J1xxxW xyzp	SP-J2xxxW xyzp	SP-L2xxxW xyzp
Rated Wattage(W):	400/500/600	720/800/1000/1200	1500/1800
Light Efficiency(lm/W):	160; 150; 140	165; 160; 150; 135	145; 135
Voltage Options:	AC120-277V/AC120-347V/AC277-480V		
CCT Options:	2700-6500K/RGB/RGBW		
Beam Angle(Deg):	15°/20°/30°/45°/60°	15°/20°/30°/40°/60°/80°	15°/30°/45°
CRI:	RA70/RA80(Optional)/RA90(Optional)		
Protection Class:	Wet Location IP66		
Ambient Temperature:	-40°C to +50°C		
Mounting:	Bracket Mounting		
Compliance:	ENEC, CB, CE, SAA, ETL, ROHS, Erp, DLC		



► LED Tennis Court Light

Extremely long life-span. Low working wattage for energy saving. High lumen efficiency and high CRI. High vibration and impact resistant. Friendly to environment without mercury. Easy and secure installation. Uniformity lighting distribution. 3-5 years warranty. Listed on ETL.



Model:	SP-TC xxxW XYDZ
Rated Wattage(W):	60W
Light Efficiency(lm/W):	170
Voltage Options:	AC220-240V/AC277-480V; 50/60 Hz
CCT Options:	5000K(Standard)/4000K(Optional)5700K(Optional)
Beam Angle:	A60
CRI:	RA70/RA80(Optional)/RA90(Optional)
Protection Class:	Wet Locations IP65
Ambient Temperature:	-40°C to +50°C
EPA:	0.15ft ²
Compliance:	ENEC, CB, CE, SAA, ETL, ROHS

OUTDOOR LIGHTING LUMINAIRES



▶ Flood Light FL10 Series

DALI/DMX512 intelligent control. RGB/RGBW function. ADC12 aluminum for good cooling performance.



External power supply

Model:	FL10xxxW-UXYZICC
Rated Power:	1500W/1650W/1800W
Rated Voltage:	AC100-277V/AC277-480V
Efficiency (lm/W):	130, 150
Rated Lumen (lm):	195,000-270,000
Dimming:	0-10V
EPA:	3.22Ft ²
Power Factor:	0.95
Surge Protection:	10kV
Ambient Temperature:	-40°C (-40°F) - +50°C (122°F)
CCT:	4000K/5000K/6500K
Beam Angle:	11°/18°/25°
IK Rating:	IK08

▶ LED Flood Light N Series



N series produce ideal light distribution with the highest reliability level-incredibly high over 93% total efficiency. With die-cast aluminum(ADC12)housing, rugged and weather-tight design, this durable luminaire can withstand the most demanding elements.



Model:	SP-N1xxxW xyzp	SP-N2xxxW xyzp	SP-N3xxxW xyzp	SP-N4xxxW xyzp	SP-N5xxxW xyzp
Rated Wattage(W):	250/300/350	500/600/700	750/900/1050	1200/1400	1500/1750
Light Efficiency(lm/W):	130 lm/W, 150 lm/W				
Power Factor:	0.95				
Beam Angle(Deg):	15°/30°/45°/60°/90°/120°/T30x90/T3VS/T2VS				
Voltage Options:	AC120-277V/AC277-480V/AC200-240V/AC220-240V				
CCT Options:	4000K/5000K/6500K/RGB/RGBW				
CRI:	70/80				
Power Factor:	0.95				
IK Rating:	IK08				
Operating Temperature:	-40°C (-40°F) - +50°C (122°F)				
Compliance:	ENEC, CB, CE, SAA, ROHS, ERP, EMI				

OUTDOOR LIGHTING LUMINAIRES

▶ LED Flood Light Q Series



Q series produce ideal light distribution with the highest reliability level-incredibly high over 93% total efficiency. With die-cast aluminum(ADC12)housing, rugged and weather-tight design, this durable luminaire can withstand the most demanding elements.



Model:	SP-Q2xxxW xyzp	SP-Q3xxxW xyzp	SP-Q4xxxW xyzp
Rated Wattage(W):	500/600/700	750/900/1050	1200/1400
Light Efficiency(lm/W):	130 lm/W, 150 lm/W		
Power Factor:	0.95		
Voltage Options:	AC120-277V/AC277-480V/AC200-240V/AC220-240V		
CCT Options:	4000K/5000K/6500K/RGB/RGBW		
IK Rating:	IK08		
CRI:	70/80		
Working Temperature:	-40°C (-40°F) - +50°C (122°F)		
Beam Angle(Deg):	30°/45°/60°/90°/120°/T30x90/T3VS/T2VS		
US Compliance:	ENEC, CB, CE, SAA, ROHS, ERP, EMI		

▶ Flood Light D Series



The Flood Lighting Series is an economical solution for interior or exterior-all weather general illumination applications.



Model:	FL-D1 20W/30W xyzp	FL-D2 50W xyzp	FL-D3 80W xyzp	FL-D4 100W/120W xyzp	FL-D5 150W xyzp	FL-D6 200W/240W xyzp	FL-D7 300W/350W/400W xyzp
Rated Wattage(W):	20/30	50	80	100/120	150	200/240	300/350/400
Light Efficiency(lm/W):	130/160						
Voltage Options:	AC120-277V/120-347V/200-480V						
CCT Options:	3,000-6,000K						
Beam Angle(Deg):	15°/30°/45°/60°/90°/120°/T30x90/T3VS/T2VS						
CRI:	70/80						
PF:	≥0.9						
Compliance:	ENEC/CB/CE/SAA/ROHS/ETL/DLC						

OUTDOOR LIGHTING LUMINAIRES



▶ LED High Mast Fixture FL11 Series

High light output and efficiency up to 160 lumens per watt. IP66 rating for wet location, excellent impact resistance up to IK09, perfectly suitable for use outdoors.



Model:	FL11xxxW UXYZICC
Rated Wattage(W):	500/600/700/750/800
Efficiency (CRI: 70):	150lm/W
EPA:	1.51Ft ²
Power Supply:	Driver Brand: Inventronics/Sosen; Built-in Power Supply (Standard); External Power Supply (Optional)
Input Voltage:	AC120-277V/120-347V/277-480V
CCT:	2700K/3000K/4000K/5000K/6000K/6500K
Intelligent Control:	ON/OFF (Standard); DMX512/DALI (Optional)
CRI:	Ra70 (Standard)/Ra80 (Optional)
Beam Angle:	15°/20°/30°/45°/60°
Protection Degree:	IP66; IK09
Surge Protection:	10kV (Standard)/20kV (Optional)
Ambient Temperature:	-40°C to 50°C (-40°F to 122°F)
Mounting Method	Bracket mounting, pole mounting



▶ LED Rugby Field Light FL18 Series

High light output and efficiency up to 160 lumens per watt. IP66 rating for wet location, excellent impact resistance up to IK09, perfectly suitable for use outdoors.



Model:	FL18xxxW UXYZICC
Wattage:	600-850
Efficiency (CRI: 70):	160lm/W(with glass cover); 170lm/W
EPA:	1.56Ft ²
Power Supply:	Driver Brand: Inventronics/Sosen; Built-in Power Supply (Standard); External Power Supply (Optional)
Input Voltage:	AC120-277V/120-347V/277-480V
CCT:	2700K/3000K/4000K/5000K/6000K/6500K
Intelligent Control:	ON/OFF (Standard); DMX512/DALI (Optional)
CRI:	Ra70 (Standard)/Ra80 (Optional)
Beam Angle:	15°/20°/30°/45°/60°
Protection Degree:	IP66; IK09
Surge Protection:	10kV (Standard)/20kV (Optional)
Ambient Temperature:	-40°C to 50°C (-40°F to 122°F)

OUTDOOR LIGHTING LUMINAIRES

▶ Solar Street Light ST-S Series



ST-S Solar LED street light features all in one design function, low profile design, with PIR/ microwave motion sensor and smart controller all built in. Bilateral Solar Panel design. Suitable for remote region, non electricity supply zone.



Model:	ST-S20W	ST-S30W	ST-S40W	ST-S50W	ST-S60W	ST-S80W
Rated Wattage(W):	20W	30W	40W	50W	60W	80W
Solar Panel:	40W	60W	60W	70W	70W	90W
Light Efficiency (lm/W):	180					
Power Factor:	0.95					
Voltage Options:	3.2V; 12.8V					
CCT Options:	3000K/4000K/5000K/5700K/6500K					
IK Rating:	IK08					
CRI:	70/80					
Working Temperature:	-10°C to 50°C (14°F to 122°F)					
Beam Angle(Deg):	T2/T3/T4					
EPA:	2.58ft ²	4.62ft ²	4.62ft ²	5.48ft ²	5.48ft ²	6.56ft ²
US Compliance:	CE/FCC/ROHS					

▶ Solar Street Light ST-Z Series



ST-Z Solar LED street light features all in one design function, low profile design, with PIR/ microwave motion sensor and smart controller all built in. Bilateral Solar Panel design. Suitable for remote region, non electricity supply zone.



Model:	ST-Z1 10W	ST-Z2 20W	ST-Z3 30W	ST-Z4 40W	ST-Z5 50W	ST-Z6 60W	ST-Z7 80W
Rated Wattage(W):	10W	20W	30W	40W	50W	60W	80W
Solar Panel:	30W	40W	60W	70W	90W	90W	120W
Light Efficiency(lm/W):	200; 190(80Ra)						
Power Factor:	0.95						
Voltage Options:	3.2V; 12.8V						
CCT Options:	3000K/4000K/5000K/5700K/6500K						
IK Rating:	IK08						
CRI:	70/80						
Working Temperature:	-10°C to 50°C (14°F to 122°F)						
Beam Angle(Deg):	T2/T3/T4						
US Compliance:	CE/FCC/ROHS						

EXTERIOR WALL MOUNT LUMINAIRES

▶ Flush Mount Canopy Series



The ZY-SCP series is designed for typical use in gas station and other retail canopies and architectural overhang applications for high level illumination.



Model:	CP-100W AN50D120	CP-120W AN50D120	CP-150W AN50D120
Rated Wattage(W):	100	120	150
Rated Lumen (Lm):	14,000	16,800	21,000
Voltage Options:	AC100-277V/100-347V/200-480V		
CCT Options:	3,000/3,500/4,000/4,500/5,000K		
Beam Angle(Deg):	120		
CRI:	70/80		
Protection Class:	IP65		
Compliance:	CE/UL/cUL		

▶ LED Tunnel Light D Series



Adapted to a wide range of different tunnel applications to provide safety at all times. High level of protection against corrosion, impact, water, and dust. Adjustable mounting bracket for application flexibility. A movable door to simplify and expedite installation. Ergonomic light distribution to achieve even illuminating effect.



Model:	TU-D1xxxW xyzp	TU-D2xxxW xyzp	TU-D3xxxW xyzp
Rated Wattage(W):	30/50/80/100	120/150	180/200/240
Rated Lumen(Lm):	3900/6500/10,400/13,000	15,600/19,500/26,400	26,000/31,200
Voltage Options:	AC100-277V/100-347V/200-480V		
CCT Options:	3000-6500K		
Beam Angle(Deg):	15°/30°/60°/90°/120°/T2M/T3M/T4M		
CRI:	70/80		
Protection Class:	IP66		
Ambient Temperature:	-40°C (-40°F) - +50°C (122°F)		
Mounting:	Bracket Mounting		
Compliance:	ENEC/CB/CE/EMC/SAA		