



2023
Catalogue



Marks



SAA



PESO



 **COMMERCIAL
FIXTURES**

 **LED
GROW
LIGHT**

 **HAZARDOUS
LOCATIONS
LUMINAIRES**

 **STREET & AREA
LUMINAIRES**

HAZARDOUS LOCATION LUMINAIRES



HAZARDOUS LOCATION LUMINAIRES

► Energy Tech Hazardous Location series provides a complete range of certified explosion proof lighting including fixed and portable work lights, flood light, area light, emergency lights, warning lights, surface, pole and wall mounts, linear lighting and accessories.

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

- Suitable for all kinds of Hazardous Locations including but not limited to 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 UL 1598/UL 1598A/UL844/IECEX/ATEX/ABS/DNV/API Spec Q1
- Suitable for petrochemical, marine, oil and gas, airspace, food, metal industry and other harsh environments.

► 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(Inch):	9.84×6.54×6.3			12.6×9.45×6.3		14.96×9.06×7.41		16.5×11.8×8.27		
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/API Spec Q1/CSA									
Rating:	Class I ,Division 2; Class II , Division 1; Class II , Division 2;ClassIII; 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(Inch):	9.57×9.06×6.7	Ø10.55×5.06	14.62×14.57×7.76	Ø18.9×9.5	13.58×12.95×6.5
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/API Spec Q1/CSA				
Rating:	Class I ,Division 2; Class II , Division 1; Class II , Division 2;ClassIII; Zone 1&2, Zone 21&22				

HAZARDOUS LOCATION LUMINAIRES

▶ A1 Series

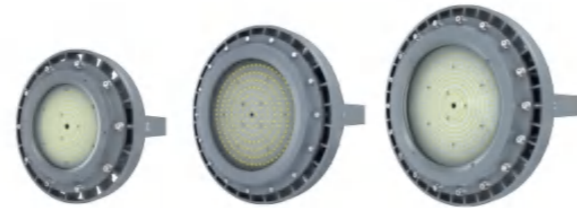
Carefully designed industrial lighting reduces the risk of broken glass falling on food. Outstanding longevity and waterproof luminaires. Replace the factory lights with a more eco-friendly system. Create a comfortable working environment while meeting all required lighting standards.



Model:	ExP-20W A1YCB	ExP-40W A1YCB	ExP-60W A1YCB	ExP-80W A1YCB	ExP-100W A1YCB	ExP-150W A1YCB	ExP-200W A1YCB
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[Ø×H(Inch)]:	10.55×12.03/9.21/6.52		12.6×11.92/9.13/5.92		17.64×14.08/12.16/8.75		
Voltage Option:	AC 100-277V(by IC) or DC 12-48V						
CCT:	2,200-7,000K						
Beam Angle(Deg):	40/60/90/120						
CRI:	>70						
Warranty:	5 Years						
Protection Class:	IP66						
Mounting:	Hook Mounting, Wall Mounting to Junction Box, Pole Mounting, Stanchion Mounting						
Compliance:	ETL/UL844/IECEX/CB/ATEX/NSF/CSA						
Rating:	Class I ,Division 2; Class II , Division 1; Class II , Division 2;Class III; Zone 1&2, Zone 21&22						

▶ B2 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.

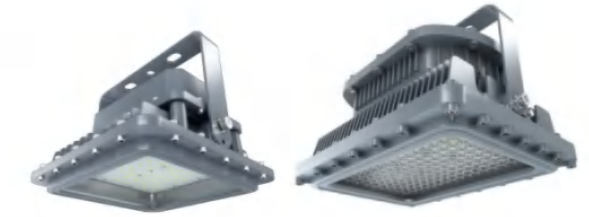


Model:	ExP-20W B2YCBA	ExP-40W B2YCBA	ExP-60W B2YCBA	ExP-80W B2YCBA	ExP-100W B2YCBA	ExP-150W B2YCBA	ExP-200W B2YCBA	ExP-250W B2YCBA	ExP-280W B2YCBA
Rated Wattage(W):	20	40	60	80	100	150	200	250	280
Rated Lumen(Lm):	2,800	5,600	8,400	11,200	14,000	21,000	28,000	35,000	39,200
Dimension[Ø×H(Inch)]:	19.5×Ø14.1				20.6×Ø16.0		21.5×Ø17.4		
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/API Spec Q1/CSA								
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

▶ C0 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:	ExP-20W C0YCBA	ExP-40W C0YCBA	ExP-60W C0YCBA	ExP-80W C0YCBA	ExP-100W C0YCBA	ExP-150W C0YCBA	ExP-200W C0YCBA
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(Inch):	11.6×11.6×9.56				15.7×11.3×10.0		
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/API Spec Q1/CSA						
Rating:	Class I ,Division 2; Class II , Division 1; Class II , Division 2;Class III; Zone 1&2, Zone 21&22						

▶ D 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:	ExP-10W DYCBA	ExP-20W DYCBA	ExP-30W DYCBA	ExP-40W DYCBA	ExP-50W DYCBA
Rated Wattage(W):	10	20	30	40	50
Rated Lumen(Lm):	1,400	2,800	4,200	5,600	7,000
Dimension(Inch):	H12.3×Ø6.9				
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/API Spec Q1				
Rating:	Class I, Division 1 & 2; Class II, Division 1; Class II, Division 2; Class III				

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(Inch):	23.6×4.8×4.7		47.2×4.8×4.7		
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/API Spec Q1				
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 I2YZDA	EX-40W I2YZDA	EX-60W I2YZDA	EX-60W I4YZDA	EX-80W I4YZDA	EX-100W I4YZDA	EX-120W I4YZDA
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(Inch):	23.3×5.51×5.22			46.1×5.51×5.22			
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/API Spec Q1						
Rating:	Class I, Division I&2; Class II, Division 1; Class II, Division 2; Class III; ; Zone 1 & 2, Zone 21 & 22						

HAZARDOUS LOCATION LUMINAIRES

▶ J Series

Integral battery back-up power supply and fully automatic operation. 3 hours battery back-up time. Low wattage for energy saving. Outdoor use and resistant to salt water. Built-in battery replacement notification. Lightweight and reasonable size.



Model:	EX-3W JYZD	EX-5W JYZD
Rated Wattage(W):	3	5
Dimension(Inch):	17.4×16.42×4.54	
Voltage Option:	AC100-277V; DC12-36V	
CCT:	Red/Green	
Protection Class:	Suitable for Wet Location	
Mounting:	Wall Mounting with Arm, Pendant Mounting, Pole Mounting	
Compliance:	UL924/UL844/API Spec Q1/CSA/UL1598/UL1598A/ETL	
Rating:	Class I, Division I&2; Class II, Division 1; Class II, Division 2; Class III	

▶ EI01 Series

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.

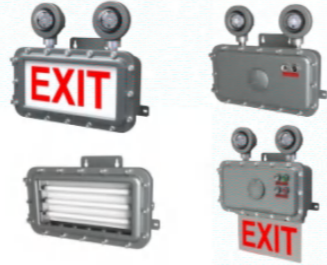


Model:	ExP-1WEI01YCBA	ExP-2WEI01YCBA	ExP-3WEI01YCBA	ExP-15WEI01YCBA
Rated Wattage(W):	1	2	3	15
Voltage Option:	AC100-277V; AC/DC12-36V			
Dimension(Inch):	18.7×7.8×3.8(L×H×W)			
CCT:	2,200-7,000K(EX-15W EYZDA)			
Protection Class:	IP66			
Mounting:	Wall Mounting, Ceiling Mounting, Pendant Mounting			
Compliance:	IECEX/CB/ATEX/API Spec Q1			
Rating:	Zone 1 & 2, Zone 21 & 22			

HAZARDOUS LOCATION LUMINAIRES

▶ EI02 Series

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:	ExP-ET02A1	ExP-ET02A2	ExP-ET02B1	ExP-ET02B2	ExP-ET02B3	ExP-ET02B4	ExP-ET02B5
Wattage(W):	5/10/8/15/20/16/24		7-20	5	5	7	7
Rated Lumen(Lm):	650/1,300/1,040/1,950/2,600/2,080/3,120(ES02A1/ES02A2)				910-2,600(ES02B1)		
Dimension(Inch):	15.2×7.4×5.4	15.2×7.4×5.4	17.4×15.0×6.9	17.4×10.5×6.4	17.4×18.4×6.9	17.4×15×6.4	17.4×22.9×6.9
Voltage:	AC100-277V, or DC 12-48V						
Lifespan:	Up to 50,000 Hours						
Protection Class:	IP66						
Mounting:	Wall Mounting with Bracket, Ceiling Mounting with Arm						
Compliance:	IECEX/CB/ATEX/API Spec Q1						
Rating:	Zone 1 & 2, Zone 21 & 22						

▶ EI03 Series

High durability and reliability. High leak-proofness up to IP66. Low working wattage for energy saving. Pendant, wall and end bracket mounting provide universal installation options. Edge-lit sign. Emergency time at least 180 minutes. Up to 50,000 hours lifespan.



Model:	ExP-8WEI03 C1N50	ExP-12WEI03 C1N50	ExP-8WEI03 A1N50	ExP-12WEI03 A1N50	ExP-8WEI03 A2N50	ExP-12WEI03 A2N50	ExP-5WEI03 A3N50
Rated Wattage(W):	8	12	8	12	8	12	5
Rated Lumen(Lm):	1,040	1,560	1,040	1,560	/	/	/
Dimension(Inch):	15.6×14.76×6.76		18.3×17.7×6.7		18.3×26.5×6.7		18.3×19×6.7
Voltage:	AC100-277V, or DC 12-48V						
Housing:	A360 Die-casting Aluminum						
Indicator:	Tempered Glass						
Bolts:	Stainless Steel						
Sign Panel:	Glass						
Protection Class:	IP66						
Mounting:	Wall Mounting, Bracket Mounting, Pendant Mounting						
Compliance:	ETL/UL924/UL844/UL1598/UL1598A/CSA						
Rating:	Class I, Division I&2; Class II, Division 1; Class II, Division 2; Class III						

HAZARDOUS LOCATION LUMINAIRES

▶ AI05 Series

Aluminum alloy housing and glass indicator. High durability and reliability. Low working wattage for energy saving. Emergency battery available. Excellent heat sinking design.



Model:	AI05
Rated Wattage:	3W+5W
Emergency Battery:	2
Material:	Aluminum Alloy Housing, Glass Indicator
Compliance:	UL844, UL1598, UL924
Rating:	Class I, Division 1 & 2; Class II, Division 1; Class II, Division 2; Class III

▶ G Series

The hazardous location G series is rated and certified for use in all types of hazardous application. The G series is an emergency maker and alarm sounding device with 3 hours of battery powered illumination in power outage condition.



Model:	ExP-11dbEWD
Dimension(Inch):	6.78×8.35
Voltage:	AC100-277/200-480V, or DC 12/24V
Flash Indicator:	150/Minute
CCT:	Red
Protection Class:	IP66
Mounting:	Wall Plate & Conduit Suspension Mount Standard
Compliance:	ETL/UL1598/UL1598A/UL844/IECEX/CB/ATEX/ABS/DNV/API Spec Q1
Rating:	Class I, Division 2; Class II, Division 1; Class II, Division 2; Class III/Zone 1&2, Zone 20&21&22

HAZARDOUS LOCATION LUMINAIRES

▶ H Series

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



Model:	ExP-5W HXYCBA	ExP-7W HXYCBA	ExP-9W HXYCBA
Rated Wattage(W):	5	7	9
Rated Lumen(Lm):	650	910	1,170
Dimension(Inch):	H20.61×Ø5.12		
Voltage Option:	AC 100-277V/200-480V		
CCT:	2,200-7,000K		
Protection Class:	IP67		
Mounting:	Hand Grip/Integrated Hanger Hook		
Compliance:	UL1598A/UL1598UL844/API Spec Q1/IECEX/ATEX/CB		
Rating:	Class I , Division 1; Class I , Division 2; Class II, Division 1; Class II, Division 2; Class III; Zone 1&2, Zone 21&22		

▶ JT3 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:	ExP-250W JT3A1	ExP-100W JT3A2	ExP-150W JT3A2	ExP-200W JT3A2	ExP-100W JT3A3	ExP-150W JT3A3	ExP-200W JT3A3
Rated Wattage(W):	250	100	150	200	100	150	200
Efficiency:	120-140 lm/W						
Dimension(Inch):	10.4×16.3×2.9	10.9×17.1×3.3		13.0×21.7×2.8			
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						
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 1&2, Zone 21&22						

HAZARDOUS LOCATION LUMINAIRES

▶ ETA4 Series

ETA4 Series is a LED flood light rated for hazardous and wet locations. Die-cast aluminum housing and toughened glass lampshade. Degree of protection: IP66.



Model:	ExP-35W ETA4-1	ExP-70W ETA4-2	ExP-140W ETA4-3
Rated Wattage(W):	35	70	140
Efficiency:	140 lm/W		
Dimension(Inch):	9.4×6.8×5.1	11.8×7.7×6.2	15.4×12.9×6.5
Voltage Option:	AC200-277V, 50/60Hz		
CCT:	2,200-6,500K		
CRI:	>70		
Emergency Time	>1.5Hrs		
Compliance:	IECEX/ATEX/CB		
Rating:	Zone 1 & 2, Zone 21 & 22		

▶ K 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:	ExP-10W KYCBA	ExP-20W KYCBA	ExP-30W KYCBA	ExP-40W KYCBA
Rated Wattage(W):	10	20	30	40
Rated Lumen(Lm):	1,400	2,800	4,200	5,600
Dimension(Inch):	H13.08×W5.71			
Voltage Option:	AC 100-277V/200-480V			
CCT:	2,200-7,000K			
Beam Angle(Deg):	40/60/90/120			
CRI:	>70			
Housing Material:	Copper Free Aluminum			
Protection Class:	IP66			
Mounting:	Ceiling Mounting, Wall Mounting, Pole Mounting, Wall Mounting with Reflector			
Compliance:	UL844/UL1598A/ATEX/IECEX/API Spec Q1/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

► L1 Series

Light-weight design by aluminum. Heavy-duty and high impact resistance. Round low bay lighting with motion sensor. Unique design enhance airflow for greater heat dissipation. Isolated LED compartment reduce temperature within LED driver housing. Field installation in a few minutes.



Model:	ExP-20W L1 YCBA	ExP-40W L1 YCBA	ExP-60W L1 YCBA	ExP-80W L1 YCBA	ExP-100W L1 YCBA	ExP-150W L1 YCBA	ExP-200W L1 YCBA
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(Inch):	H12.5×W11.1				H16.7×W13.8		
Voltage Option:	AC 100-277V/200-480V						
CCT:	2,200-7,000K						
Beam Angle(Deg):	40/60/90/120						
CRI:	>70						
Control:	0-10V DC						
Protection Class:	IP66						
Mounting:	Bracket Wall Mounting, Bracket Ceiling Mounting, Pole Mounting						
Compliance:	ATEX/IECEX/API Spec Q1/CB						
Rating:	Zone 2, Zone 21 & 22						

► N Series

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:	ExP-20W N1 YCBA	ExP-40W N1 YCBA	ExP-60W N1 YCBA	ExP-80W N1 YCBA	ExP-100W N2 YCBA	ExP-150W N2 YCBA	ExP-200W N2 YCBA
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(Inch):	W10.63×H11.99				W10.63×H18.17		
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						

HAZARDOUS LOCATION LUMINAIRES

► M2 Series

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:	ExP-20W M2 YCBA	ExP-30W M2 YCBA	ExP-40W M4 YCBA	ExP-50W M4 YCBA	ExP-60W M4 YCBA
Rated Wattage:	2×10W/2ft	2×15W/2ft	2×20W/4ft	2×25W/4ft	2×30W/4ft
Rated Lumen(Lm):	2,800	4,200	5,600	7,000	8,400
Dimension(Inch):	27.5x8.7x4.8		52.0x8.7x5.5		
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/UL844/ATEX/IECEX/API Spec Q1/CB/UL1598A				
Rating:	Class I, Division 2; Class II, Division 2; Class III; Zone 1 & 2, Zone 21 & 22				

► BLF 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:	ExP-BLFxxFTxPxxWZXYZ
Rated Wattage(W):	A series: 1 x (15 to 28)W, 2 x (15 to 28)W, 3x (15 to 28)W B series: 1 x (20 to 45)W, 2 x (20 to 45)W, 3x (20 to 45)W C series: 1 x (36 to 72)W, 2 x (36 to 72)W, 3x (36 to 72)W
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

HAZARDOUS LOCATION LUMINAIRES

▶ CLA 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:	ExP-20W CLA2 FZDA	ExP-40W CLA2 FZDA	ExP-50W CLA4 FZDA	ExP-80W CLA4 FZDA	ExP-50W CLA5 FZDA	ExP-80W CLA5 FZDA
Rated Wattage(W):	20	40	50	80	50	80
Dimension(Inch):	30.9×7.0×3.8		51.3×7.0×3.8		63.7×7.0×3.8	
Voltage Option:	AC 100-277, 50/60Hz or DC 36V					
Ambient Temperature:	-20 °Cto +40°C(T6), -40°Cto +60°C(T5)					
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:	Class I ,Division 2; Class II , Division 1; Class II , Division 2;ClassIII; Zone 1&2, Zone 21&22					

▶ CLD 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:	ExP-xxW CLD2-1YCB	ExP-xxW CLD4-1YCB	ExP-xxW CLD2-2YCB	ExP-xxW CLD4-2YCB
Rated Wattage(W):	20/40/60	40/80/120	40/80/120	80/160/240
Dimension(Inch):	24.4×12×3.7	50.4×12×3.7	25.2×24×3.7	50.4×24×3.7
Voltage Option:	AC100-277V			
Ambient Temperature:	-40°C -+40°C/-40°C -+50°C/-40°C -+60°C			
Efficiency:	130 lm/W			
Beam Angle(Deg):	120°C			
CCT:	2700K-7000K			
Protection Class:	IP66			
Mounting:	Ceiling Mounting/Pandent Mounting/Embedded Mounting			
Compliance:	UL844;60079			
Rating:	Class I ,Division 2; Class II , Division 1; Class II , Division 2;ClassIII; Zone 1&2, Zone 21&22			

HAZARDOUS LOCATION LUMINAIRES

▶ CLB 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:	ExP-20/40W-CLB2 FZDA	ExP-50/80W-CLB4 FZDA	ExP-50/80W-CLB5 FZDA
Rated Wattage(W):	20/40	50/80	50/80
Dimension(Inch):	26.6×6.2×8.5	50.2×6.2×8.5	62.9×6.2×8.5
Voltage Option:	AC 100-277, 50/60Hz or DC 36V		
Ambient Temperature:	-20 to +40°C(T6), -40 to +55°C(T5)		
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;ClassIII; Zone 1&2, Zone 21&22		

▶ CLE Series

CLE 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.

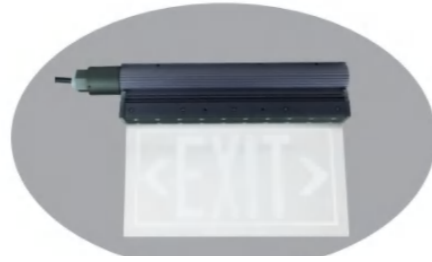


Model:	ExP-xxW CLE1 FZDA	ExP-xxW CLE2 FZDA	ExP-xxW CLE3 FZDA	ExP-xxW CLE4 FZDA	ExP-xxW CLE5 FZDA
Rated Wattage(W):	10/20/30	20/30/40/50	40/50/60/70	40/50/60/70/80	60/70/80/90/100
Efficiency:	130 lm/W				
Voltage Option:	AC100-277V, 50/60Hz				
Emergency Time:	>1.5H				
CCT:	2,200-6,500K				
CRI:	>70				
Protection Class:	IP66				
Mounting:	Wall Mounting, Hook Mounting, Pole Mounting				
Rating:	Class I ,Division 2; Class II , Division 1; Class II , Division 2;ClassIII; Zone 1&2, Zone 21&22				

HAZARDOUS LOCATION LUMINAIRES

► P Series

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:	ExP-1WP YCBA	ExP-2WP YCBA	ExP-3WP YCBA
Rated Wattage(W):	1	2	3
Voltage Option:	AC: 100-277V; AC/DC: 12-48V		
Dimension(Inch):	16.12×11.08×1.82		
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		

► Q Series

Multi-functions, can transform into different lights to suit different locations and needs. Various materials and colors for lamp and amplifier are optional. Diversity of mounting methods. Suitable for explosion-proof environment. Operating temperature: -40°C to +60°C.



Model:	ExP-WSL XxxJSxxdB-1	ExP-WSLE xxWSxxdB-1	ExP-WSL XxxJSxxdB-2	ExP-WSLE xxWSxxdB-2	ExP-WSL xxdB-1	ExP-WSS xxdB-2	ExP-WSL XxxJ-3	ExP-WSLE xxW-3
Max Wattage/Joule:	5J	35W	5J	35W	25W	25W	5J	10W
Voltage:	AC220-240V; or AC220-240V, DC24V(18-36)							
Decibel:	100/120						/	/
IP:	66							
Mounting:	Bracket Mounting, Pole Mounting, Hook and Fast Connection, Junction Box Mounting							
Operating Temperature:	-40°C to +60°C							
Compliance:	ATEX/IECEX/CB							
Housing:	Die-casting aluminum							
Rating:	Zone 1 & 2, Zone 21 & 22							

HAZARDOUS LOCATION LUMINAIRES

► VCS Series

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



Model:	ExP-xxW-VCS1YCBA	ExP-xxW-VCS2YCBA
Rated Wattage(W):	10	
Rated Lumen(Lm):	1,000	1,170
Dimension(Inch):	5.1×5.1×9.1	11.1×7.0×4.9
Voltage:	100-240V	
CCT:	2,200-7,000K	
CRI:	>70	
Compliance:	ATEX/IECEX/CB/API Spec Q1	
Rating:	Zone 2, Zone 21 & 22	

► VCC 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:	ExP-xxW-VCC-RY	ExP-xxW-VCC-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:	UL844/ATEX/IECEX/CB	
Rating:	Class I, Division 1 & 2; Class II, Division 1; Class II, Division 2; Class III; Zone 0, 1 & 2, Zone 20, 21 & 22	

HAZARDOUS LOCATION LUMINAIRES

▶ VKG Series

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



Model:	ExP-xxW-VKG
Rated Wattage(W):	2
Rated Lumen(Lm):	210
Dimension(Inch):	6.8×1.8(L×W)
Ambient Temperature:	-40°C to 40°C
All Sealing Gasket:	COT: -40°C to 200°C
Compliance:	Group I Mining Approval
Rating:	Zone 0, 1 & 2, Zone 21 & 22

▶ BH Series

Aluminum body and frame-corrosion resistant. High vibration and impact resistant. Designed for rugged environment and work site. Instant illumination and restrike - no warm-up time required. High luminous efficacy-Up to 140/150 Lm/W. Valid over the entire temperature range from -40°C to 70°C (-40 °F to 158°F).



Model:	ET-BH-150W-DaYZ	ET-BH-300W-DbYZ	ET-BH-600W-DcYZ
Rated Wattage:	150	300	600
Housing Material:	Aluminum+Glass		
Dimension(Inch):	19.29.4x11.02(DxH)	23.23x12.6x9.69	25.4x23.23x9.69
Voltage:	AC127-270V/AC347-480V, 50/60Hz		
CCT:	2,200-7,000K		
Beam Angle(Deg):	120		
CRI:	>70		
Protecting Degree:	IP66		
Mounting:	Bracket Mounting, Hook Pendant Mounting		
Compliance:	UL1598/UL1598A/ETL/CB/RoHS/EMC		

HAZARDOUS LOCATION LUMINAIRES

▶ HLO Series

ATEX and IECEx certified. Impact resistant, thermoplastic, electrostatic plastic enclosure. T4 temperature class. High power LED light source. Lightweight, ergonomic design. Single handed switching. Adjustable, removable headband. Max. surface temperature (dust): 130°C.



Model:	ExP-xxW-HLO (1)	ExP-xxW-HLO (2)
Rated Wattage:	2W	
Voltage:	4.5V	
Ambient Temperature:	-20°C to +40°C	
Beam Type:	High/Low/Flashing	
Light Source Output:	118/60 Lm	155/132/78/34Lm
Light Source Lifespan:	>25, 000 Hours	
Battery Type:	3xAAA Batteries	
Battery Level Indicator:	Full-time Battery Indicator	
Light Duration:	7.5/16H	6.4/5.5/8/14H
Protection Class:	IP54	
Compliance:	ATEX/IECEX/CB	
Rating:	Zones 0, 1 and 2, Gas, Groups IIC; Zones 20, 21 and 22, Dust, Groups IIIC	

▶ ExP-NW01 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:	ExP-19.5WNNW01
Rated Wattage:	Max 19.5W
Rated Lumens(Lm):	Max 1,600
Dimension(Inch):	14.0×8.1(L×W)
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
Protection Class:	IP20
Battery Capacity:	10.8V, 9Ah
Compliance:	UL844/UL1598/ATEX/IECEX/CSA/CB
Rating:	Class1, Division I ,Group A, B, C, D; Zone 0,1&2

HAZARDOUS LOCATION LUMINAIRES

▶ KB Series

Aluminum body and frame-corrosion resistant. Valid over the entire temperature range from -20°C ~ +40/50°C (-4°F ~ +104/122°F). Instant illumination and restrike-no warm-up time required. Easy for angle adjustment. Lifespan up to 100,000 hours. Warranty: 5 Years.



Model:	ET-HB 10YKB-A-YC	ET-HB 10YKB-B-YC	ET-HB 10YKB-C-YC
Rated Wattage:	10W	10W	30-60W
Voltage:	120-277V AC, 50/60Hz	120-277V AC, 50/60Hz	120V AC, 50/60Hz
Dimension(Inch):	6.9X4.8(WXH)	9.2X38.3(WXH)	14.2X15.5(WXH)
CRI:	>70		
CCT:	3,000-5,000K		
Beam Angle(Deg):	Type III 30-90 Degree	Type III 30-90 Degree	Type III 100 Degree
Efficiency:	120~140 Lm/W		
Operating Temperature:	-20°C to + 50°C	-20°C to + 50°C	-20°C to + 40°C
Protecting Degree:	Wet location	Damp location	Wet location
Housing Material:	Aluminum and Tempered Glass		
Compliance:	ETL		

▶ ExP-B5/B6/B7/B8/B9/B10

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



Model:	B5	B6	B7	B8	B9	B10
Rated Wattage(W):	50/60/70/80/100/120/135/150/180/200/240	50/60/70/80/100/120	100/120/140/160/200/240/270/300/360/400/480	100/120/140/160/200/240	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(Inch):	18.1x21.5x3.2	15.4x16.7x2.8	34.4x16.5x3.2	26.6x13.8x2.8	18.1x12.6x3.2	15.3x9.8x2.8
CRI:	>70					
CCT:	2,200-7,000K					
Beam Angle(Deg):	30/60/90/120/T2-M/T3-M/T4-M					
Operating Temperature:	Normal: -40°C - +45°C for T6/T80°C -40°C - +60°C for T5/T95°C Emergency: -10°C - +45°C for T6/T80°C -10°C - +60°C for T5/T95°C					
Protecting Degree:	IP66					
Compliance:	IECEX/ATEX/CB					

MOTION SENSOR&JUNCTION BOX

▶ ExP-ON01 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:	EXP-ON01
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

▶ ExP-HD50

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:	EXP-HD50-A	EXP-HD50-B	EXP-HD50-C	EXP-HD50-DA	EXP-HD50-D	EXP-HD50-E	EXP-HD50-F	EXP-HD50-FA
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							

JUNCTION BOX & CONTROL UNIT SYSTEMS

▶ ExP-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 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:	ExP-ZA
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

DISTRIBUTION EQUIPMENT

▶ ExP-PDF 60 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:	EXP-PDF 60
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

▶ ExP-PDF-60-JK-11B 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:	ExP-PDF 60-JX-11B
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

DISTRIBUTION EQUIPMENT

▶ ExP-PDF 60-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:	ExP-PDF 60-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

▶ ExP-PDF 60-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:	ExP-PDF 60-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

DISTRIBUTION EQUIPMENT

▶ ExP-PDF 60-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:	ExP-PDF 60-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

▶ ExP-PDF 60-QD Series

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



Model:	Ex-PD60-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

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▶ ExP-PDF 60-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:	ExP-PDF 60-LK-63	ExP-PDF 60-LK-160	ExP-PDF 60-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		

▶ ExP-RQ03-B1K Series

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



Model:	ExP-RQ03-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

▶ ExP-RQ01-A1 Series

ExP-RQ structure. Single seal, suitable for unarmored cable. Degree of protection: IP66/IP68.



Model:	ExP-RQ01-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

▶ ExP-RQ04-B1K Series

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



Model:	ExP-RQ04-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

▶ ExP-KLM05-C1M Series

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



Model:	ExP-KLM05-C1M
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

▶ ExP-KLM06-B1M Series

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



Model:	ExP-KLM06-B1M
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

▶ ExP-KLM10-B1 Series

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



Model:	ExP-KLM10-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

▶ ExP-KLM12-A1 Series

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



Model:	ExP-KLM12-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

▶ ExP-KLM13-B1T Series

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



Model:	ExP-KLM13-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 & 2, Zone 21 & 22

▶ ExP-KLM18-C1 Series

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



Model:	ExP-KLM18-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 & 2, Zone 21 & 22

CABLE GLAND

▶ Ex-QM22-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 & 2, Zone 21 & 22

▶ 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 & 2, Zone 21 & 22



▶ LED LINEAR LAMPS

▶ Energy Tech has been a global industry leader in the innovation, design and high volume manufacturing of T8 and T5 LED tubes. Energy Tech continues that leadership with constant updates to application design, product safety and LED efficacy. The Energy Tech LED tubes series covers the entire range of UL Type A/Type A+B / Type C linear lamps with multiple watts, tube material types, with all types of connector, size and shape configurations.

UL Type A-B Dual Mode Ballast Compatible / Line Voltage. The most versatile and time saving retrofit available.

UL Type A Ballast Compatible. Direct retrofit without ballast removal. Compatible with all electronic ballast types.

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Material options including aluminum/polycarbonate, nano plastic, glass, frosted or clear lens, dry and damp location ratings.

Connector options including T8-G13, T5-G5, 2G11, R17D, PL, PLL and single or dual end power connection.