



Explosion Proof Lighting

Quality Within Your Reach

ATEX certified



“ Unlike the glass tube design of traditional fluorescent lamps, our lamps have no filaments or fragile housings to break during operation. Instead of using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than fluorescent lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. It provides a more reliable, stable, durable, and energy efficient light source over traditional fluorescent lighting.



Application

“ Applied to oil fields, oil refineries, offshore oil platform, power plants, gas stations, oil tanks, wharf, tunnel, pumping station, substation, the military base, etc. Zone I and Zone II Hazardous Locations, Zone 21, Zone 22 and IIA, IIB, IIC explosive gas atmosphere.

Zone 1 Zone 2
Zone 21 Zone 22

Project: Factory
Location: Ireland
Light used: 220pcs 150w



With ATEX certified, our explosion proof light can be widely used for applications of flammable and explosive chemical materials. Bridgelux led and specially designed driver are used to guarantee safety and long lifetime.

Project: Industrial workshop
Location: Germany
Light used: 184pcs ATEX Lights

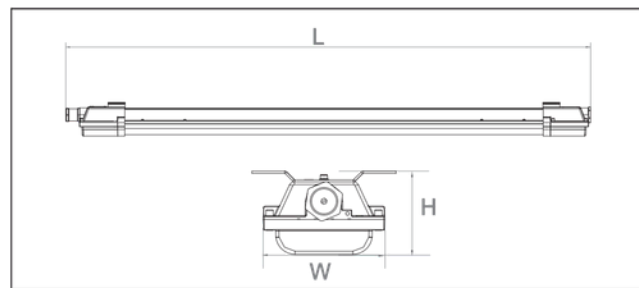




Features

Housing: Pure Aluminum A6063
 Thermal Conductivity: 226 W/m·K
 Led: Bridgelux
 CRI: Ra>80
 SDCM: <6
 Power Factor: >0.95
 THD: <15
 Driver: Tridonic Driver
 Driver Efficiency: >92%
 Protection: OTP, OCP, OVP, SCP
 Surge Protection: 4KV
 Waterproof: IP66
 Impact Test: IK10
 Corrosion Proof: WF2
 Electrical: 220-240V, 50/60Hz
 Operating Temperature: -25~45°C
 TM21: L90B10>50,000H
 Lifetime: 50,000H

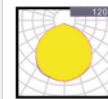
Ex II 2G Ex eb mb IIC T6 Gb II 2D Ex tb IIIC T(Max 110°C) Db



Functions

ZigBee · PWM · DALI · 0/1~10V

Optical options:



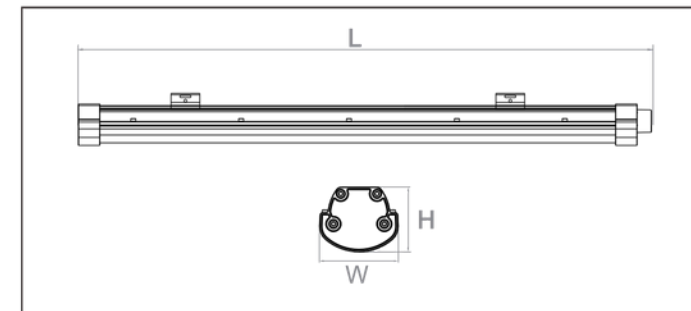
Model	Watt	Voltage	Lumen	CRI	IP	Dimension(L*W*H)
TB020ME2G-BR	20W	220~240V	2800LM	>80	IP66	599*135*78MM
TB040ME2G-BR	40W	220~240V	5600LM	>80	IP66	599*135*78MM
TB040ME4G-BR	40W	220~240V	5600LM	>80	IP66	1199*135*78MM
TB060ME4G-BR	60W	220~240V	8400LM	>80	IP66	1199*135*78MM
TB075ME4G-BR	75W	220~240V	10500LM	>80	IP66	1199*135*78MM



Features

Housing: Pure Aluminum A6063
 Thermal Conductivity: 226 W/m·K
 Led: Bridgelux
 CRI: Ra>80
 SDCM: <6
 Power Factor: >0.95
 THD: <15
 Driver: Explosion Proof Driver
 Driver Efficiency: >92%
 Protection: OTP, OCP, OVP, SCP
 Surge Protection: 4KV
 Waterproof: IP66
 Impact Test: IK10
 Corrosion Proof: WF2
 Electrical: 100-277V, 50/60Hz
 Operating Temperature: -25~45°C
 TM21: L90B10>50,000H
 Lifetime: 50,000H

Ex II 2G Ex eb mb IIC T6 Gb II 2D Ex tb IIIC T(Max 110°C) Db



Functions

PWM · DALI · 0/1~10V

Optical options:



Model	Watt	Voltage	Lumen	CRI	IP	Dimension(L*W*H)
TB020EE2H-BL	20W	100~277V	3000LM	>80	IP66	600*70*58MM
TB040EE2H-BL	40W	100~277V	6000LM	>80	IP66	600*70*58MM
TB040EE4H-BL	40W	100~277V	6000LM	>80	IP66	1200*70*58MM
TB060EE4H-BL	60W	100~277V	9000LM	>80	IP66	1200*70*58MM
TB080EE5H-BL	80W	100~277V	12000LM	>80	IP66	1500*70*58MM





Features

Housing: Pure Aluminum
 Thermal Conductivity: 226 W/m·K
 Led: Cree 3030
 CRI: Ra>80
 SDCM: <6
 Power Factor: >0.95
 THD: <15
 Driver: Meanwell
 Driver Efficiency: >93%
 Protection: OTP, OCP, OVP, SCP
 Surge Protection: 6KV
 Waterproof: IP66
 Impact Test: IK08
 Electrical: 85-305V, 50/60Hz
 Operating Temperature: -40~60°C
 TM21: L90B10>50,000H
 Lifetime: 50,000H

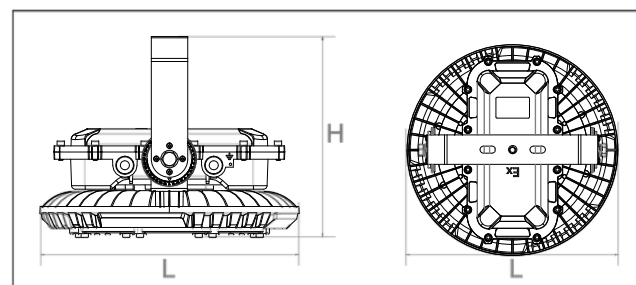
II 2G Ex db mb IIB T4 Gb
 II 2D Ex tb IIIC T(95°C) Db



Features

Housing: Die-cast Aluminum ADC12
 Thermal Conductivity: 96 W/m·K
 Led: CREE JK3030
 CRI: Ra>70
 SDCM: <6
 Power Factor: >0.95
 THD: <15
 Driver: Meanwell
 Driver Efficiency: >93%
 Protection: OTP, OCP, OVP, SCP
 Surge Protection: 6KV
 Waterproof: IP66
 Impact Test: IK08
 Corrosion Proof: WF2
 Electrical: 100-277V, 50/60Hz
 Operating Temperature: -40~60°C
 TM21: L90B10>50,000H
 Lifetime: 50,000H

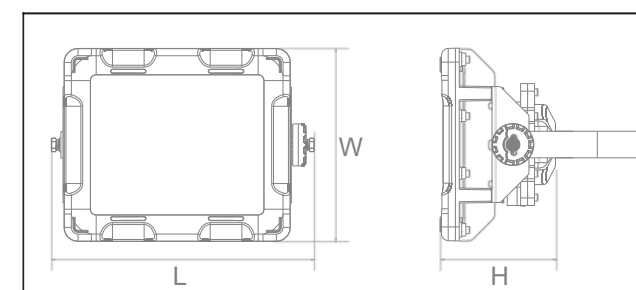
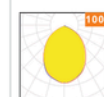
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 II 2D Ex tb IIIC T(95°C) Db



Functions

ZigBee · DMX · DALI · 0/1~10V

Optical options:



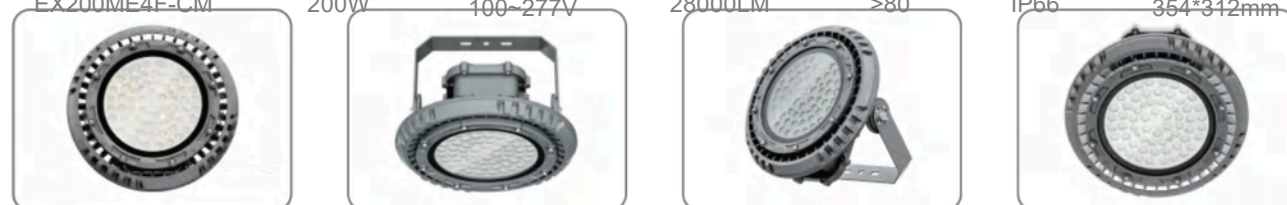
Functions

PWM · DALI · 0/1~10V

Optical options:



Model	Watt	Voltage	Lumen	CRI	IP	Dimension (L*W*H)
EX060ME4E-CM	60W	100~277V	9600LM	>80	IP66	354*312mm
EX080ME4E-CM	80W	100~277V	12800LM	>80	IP66	356*275mm
EX100ME4H-CM	100W	85~305V	17000LM	>80	IP66	356*275mm
EX100ME4E-CM	100W	100~277V	16000LM	>80	IP66	354*312mm
EX120ME4H-CM	120W	85~305V	20400LM	>80	IP66	356*275mm
EX120ME4E-CM	120W	100~277V	18000LM	>80	IP66	354*312mm
EX200ME4H-CM	200W	85~305V	28000LM	>80	IP66	356*275mm
EX150ME4E-CM	150W	100~277V	22500LM	>80	IP66	354*312mm
EX200ME4E-CM	200W	100~277V	28000LM	>80	IP66	354*312mm

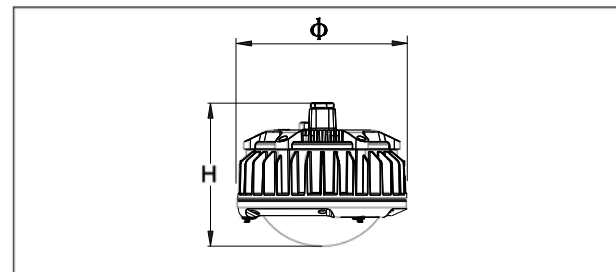


Model	Watt	Voltage	Lumen	CRI	IP	Dimension (L*W*H)
EX025AE1H-CM	25W	100~277V	3750LM	>70	IP66	374*276*171MM
EX050AE1H-CM	50W	100~277V	7500LM	>70	IP66	374*276*171MM
EX070AE1H-CM	70W	100~277V	10500LM	>70	IP66	374*276*171MM
EX100AE1H-CM	100W	100~277V	15000LM	>70	IP66	374*276*171MM
EX150AE1H-CM	150W	100~277V	21000LM	>70	IP66	374*276*171MM
EX200AE1H-CM	200W	100~277V	28000LM	>70	IP66	374*276*171MM





Features
 Housing: Aluminum
 Thermal Conductivity: 226 W/m·K
 Led: Cree
 CRI: Ra>80
 SDCM: <6
 Power Factor: >0.95
 THD: <15
 Driver: Meanwell
 Driver Efficiency: >92%
 Protection: OTP, OCP, OVP, SCP
 Surge Protection: 6KV
 Waterproof: IP66
 Impact Test: IK08
 Corrosion Proof: WF2
 Electrical: 85~305V, 50/60Hz
 Operating Temperature: -25~45°C
 TM21: L90B10>50,000H
 Lifetime: 50,000H



Functions
 PWM · DALI · 0/1~10V

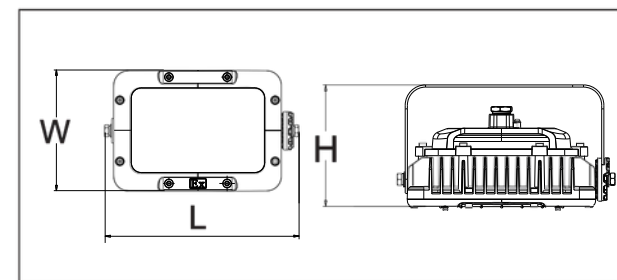
Optical options:

180lm/w 5 YEARS WARRANTY Meanwell Driver Cree LED

Model	Watt	Voltage	Lumen	CRI	IP	Dimension (Φ*H)
EX024ME0H-CM	24W	85~305V	4320LM	>80	IP66	225*263MM
EX050ME0H-CM	50W	85~305V	8500LM	>80	IP66	225*263MM
EX060ME0H-CM	60W	85~305V	10200LM	>80	IP66	225*263MM
EX070ME0H-CM	70W	85~305V	11900LM	>80	IP66	225*263MM



Features
 Housing: Aluminum
 Thermal Conductivity: 226 W/m·K
 Led: Cree
 CRI: Ra>70
 SDCM: <6
 Power Factor: >0.95
 THD: <15
 Driver: Meanwell
 Driver Efficiency: >92%
 Protection: OTP, OCP, OVP, SCP
 Surge Protection: 6KV
 Waterproof: IP66
 Impact Test: IK08
 Corrosion Proof: WF2
 Electrical: 100~277V, 50/60Hz
 Operating Temperature: -25~45°C
 TM21: L90B10>50,000H
 Lifetime: 50,000H



Functions
 PWM · DALI · 0/1~10V

Optical options:

150lm/w 5 YEARS WARRANTY Meanwell Driver Cree LED

Model	Watt	Voltage	Lumen	CRI	IP	Dimension (L*W*H)
EX025AE1H-CM	25W	100~277V	3750LM	>70	IP66	299*186*167MM
EX050AE1H-CM	50W	100~277V	7500LM	>70	IP66	299*186*167MM
EX070AE1H-CM	70W	100~277V	10500LM	>70	IP66	299*186*167MM