



Explosion Proof Lighting

Quality Within Your Reach

ATEX certified



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

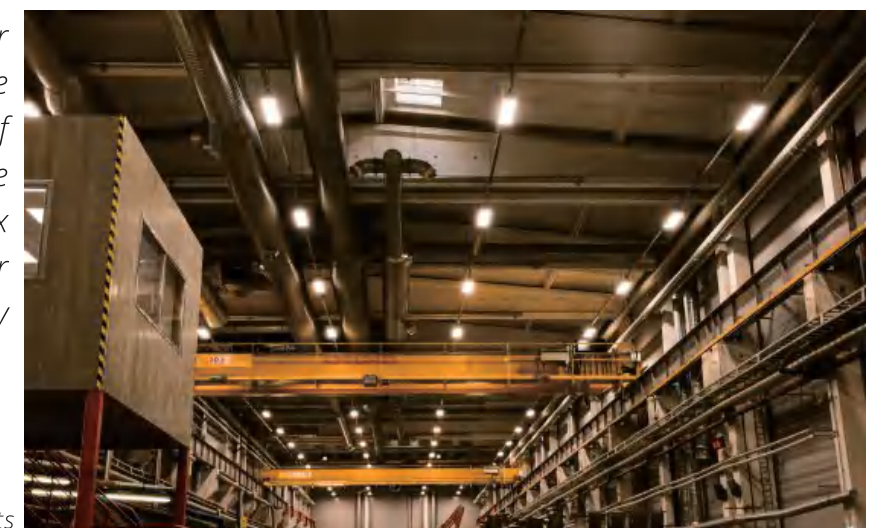


“Unlike the glass tube design of traditional fluorescent lamps, our lamps have no filaments or fragile housings to break during operation. Instead of using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied 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.



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

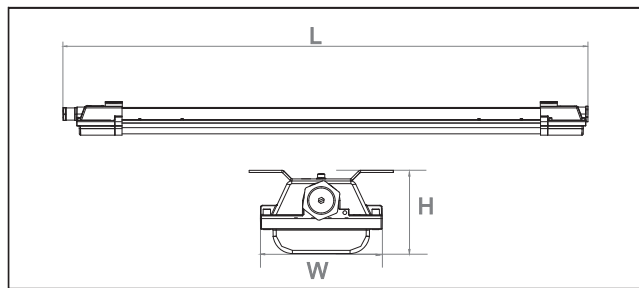




II 2G Ex eb mb IIC T6 Gb
II 2D Ex tb IIC T(Max 110°C) Db

Features

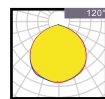
Housing: Pure Aluminum A6063
Thermal Conductivity: 226 W/m·K
Led: Bridgelux
CRI: Ra>80
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Tridonic Driver
Driver Efficiency: >92%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 4KV
Waterproof: IP66
Impact Test: IK10
Corrosion Proof: WF2
Electrical: 220-240V,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



Functions

ZigBee · PWM · DALI · 0/1~10V

Optical options:



140lm/w

5 YEARS WARRANTY

Tridonic Driver

Bridgelux LED

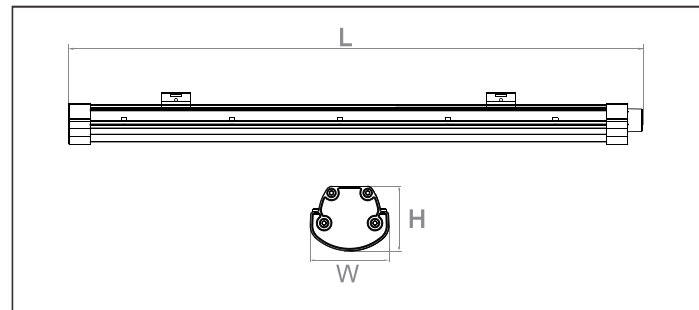
Model	Watt	Voltage	Lumen	CRI	IP	Dimension(L*W*H)
TB020ME2G-BR	20W	220~240V	2800LM	>80	IP66	599*135*78MM
TB040ME2G-BR	40W	220~240V	5600LM	>80	IP66	599*135*78MM
TB040ME4G-BR	40W	220~240V	5600LM	>80	IP66	1199*135*78MM
TB060ME4G-BR	60W	220~240V	8400LM	>80	IP66	1199*135*78MM
TB075ME4G-BR	75W	220~240V	10500LM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



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

Features

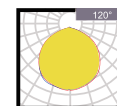
Housing: Pure Aluminum A6063
Thermal Conductivity: 226 W/m·K
Led: Bridgelux
CRI: Ra>80
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Explosion Proof Driver
Driver Efficiency: >92%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 4KV
Waterproof: IP66
Impact Test: IK10
Corrosion Proof: WF2
Electrical: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



Functions

PWM · DALI · 0/1~10V

Optical options:



150lm/w

5 YEARS WARRANTY

Explosion Proof Driver

Bridgelux LED

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

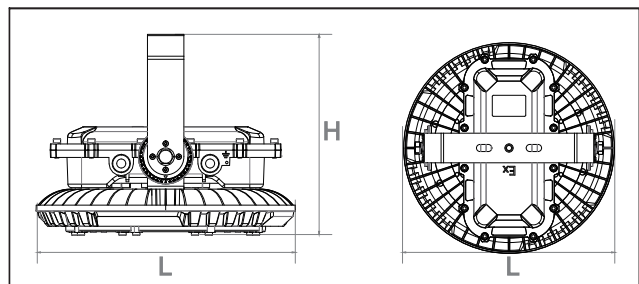




II 2G Ex db mb IIB T4 Gb
II 2D Ex tb IIIC T(95°C) Db

Features

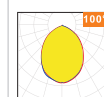
Housing: Pure Aluminum
Thermal Conductivity: 226 W/m·K
Led: Cree 3030
CRI: Ra>80
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Meanwell
Driver Efficiency: >93%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 6KV
Waterproof: IP66
Impact Test: IK08
Electrical: 85-305V, 50/60Hz
Operating Temperature: -40~60°C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



Functions

ZigBee · DMX · DALI · 0/1~10V

Optical options:



160~180lm/w

5 YEARS WARRANTY

Meanwell Driver

Cree LED

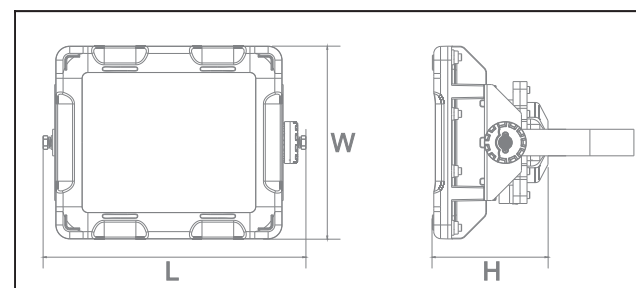
Model	Watt	Voltage	Lumen	CRI	IP	Dimension (Φ*H)
EX060ME4H-CM	60W	85~305V	10800LM	>80	IP66	356*275MM
EX080ME4H-CM	80W	85~305V	14400LM	>80	IP66	356*275MM
EX100ME4H-CM	100W	85~305V	17000LM	>80	IP66	356*275MM
EX120ME4H-CM	120W	85~305V	20400LM	>80	IP66	356*275MM
EX150ME4H-CM	150W	85~305V	24000LM	>80	IP66	356*275MM
EX200ME4H-CM	200W	85~305V	32000LM	>80	IP66	356*275MM



II 2G Ex db 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



Functions

PWM · DALI · 0/1~10V

Optical options:



150lm/w

5 YEARS WARRANTY

Meanwell Driver

Cree LED

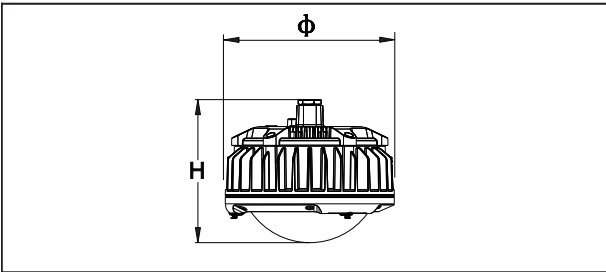
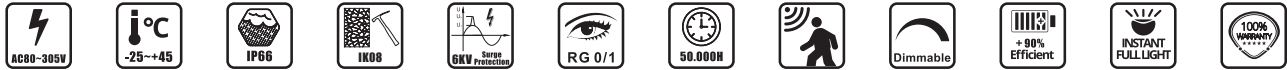
Model	Watt	Voltage	Lumen	CRI	IP	Dimension(L*W*H)
EX025AE1H-CM	25W	100~277V	3750LM	>70	IP66	374*276*171MM
EX050AE1H-CM	50W	100~277V	7500LM	>70	IP66	374*276*171MM
EX070AE1H-CM	70W	100~277V	10500LM	>70	IP66	374*276*171MM
EX100AE1H-CM	100W	100~277V	15000LM	>70	IP66	374*276*171MM
EX150AE1H-CM	150W	100~277V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





Features

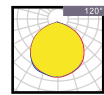
Housing: Aluminum
Thermal Conductivity: 226 W/m·K
Led: Cree
CRI: Ra>80
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Meanwell
Driver Efficiency: >92%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 6KV
Waterproof: IP66
Impact Test: IK08
Corrosion Proof: WF2
Electrical: 85~305V, 50/60Hz
Operating Temperature: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



Functions

PWM · DALI · 0/1~10V

Optical options:

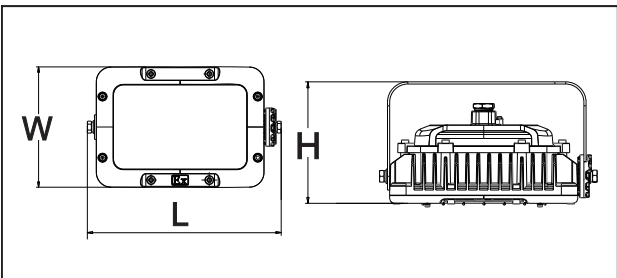
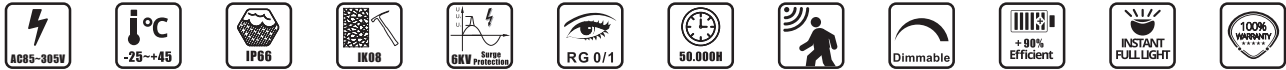


Model	Watt	Voltage	Lumen	CRI	IP	Dimension (Φ*H)
EX024ME0H-CM	24W	85~305V	4320LM	>80	IP66	225*263MM
EX050ME0H-CM	50W	85~305V	8500LM	>80	IP66	225*263MM
EX060ME0H-CM	60W	85~305V	10200LM	>80	IP66	225*263MM
EX070ME0H-CM	70W	85~305V	11900LM	>80	IP66	225*263MM



Features

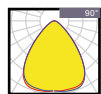
Housing: Aluminum
Thermal Conductivity: 226 W/m·K
Led: Cree
CRI: Ra>70
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Meanwell
Driver Efficiency: >92%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 6KV
Waterproof: IP66
Impact Test: IK08
Corrosion Proof: WF2
Electrical: 100~277V, 50/60Hz
Operating Temperature: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



Functions

PWM · DALI · 0/1~10V

Optical options:

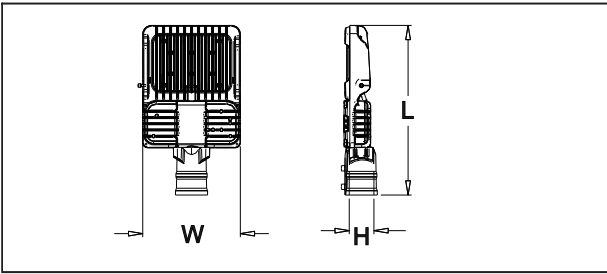


Model	Watt	Voltage	Lumen	CRI	IP	Dimension (L*W*H)
EX025AE1H-CM	25W	100~277V	3750LM	>70	IP66	299*186*167MM
EX050AE1H-CM	50W	100~277V	7500LM	>70	IP66	299*186*167MM
EX070AE1H-CM	70W	100~277V	10500LM	>70	IP66	299*186*167MM



Features

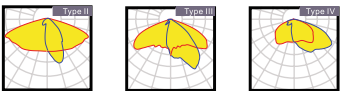
Housing: Aluminum
Thermal Conductivity: 226 W/m·K
Led: Cree
CRI: Ra>70
SDCM: <6
Power Factor: >0.95
THD: <15
Driver: Meanwell
Driver Efficiency: >92%
Protection: OTP, OCP, OVP, SCP
Surge Protection: 6KV
Waterproof: IP66
Impact Test: IK08
Corrosion Proof: WF2
Electrical: 85~305V, 50/60Hz
Operating Temperature: -25~45°C
TM21: L90B10>50,000H
Lifetime: 50,000H



Functions

PWM · DALI · 0/1~10V

Optical options:



Model	Watt	Voltage	Lumen	CRI	IP	Dimension (L*W*H)
EX024PE1H-CM	24W	85~305V	3600LM	>70	IP66	412*237*81MM
EX040PE1H-CM	40W	85~305V	6000LM	>70	IP66	412*237*81MM
EX060PE1H-CM	60W	85~305V	9000LM	>70	IP66	412*237*81MM
EX080PE1H-CM	80W	85~305V	11200LM	>70	IP66	412*237*81MM
EX100PE1H-CM	100W	85~305V	14000LM	>70	IP66	412*237*81MM

LED
INDUSTRIAL
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