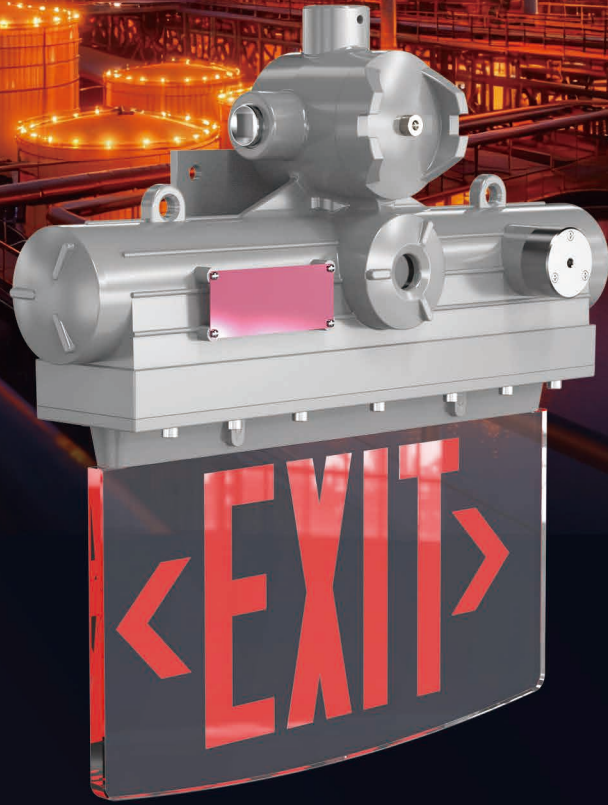




EX-J SERIES

EXPLOSION-PROOF EXIT SIGN

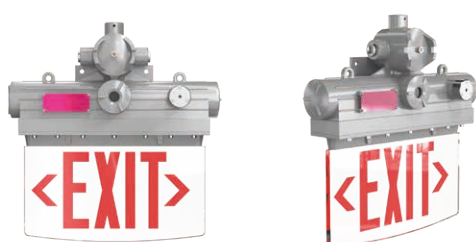
Class I Division 1 & 2, Class II Division 1 & 2, Class III

INTRODUCTION

The FGE-J Series Explosion-proof Exit Sign is a compact and energy-efficient luminaire designed for narrow or confined hazardous spaces. Its lightweight, low-profile body allows easy installation in machine rooms, tunnels, or storage tanks.

With high-performance LEDs delivering up to 60 lm/W, the J Series provides uniform, flicker-free light while maintaining excellent explosion protection.

Certified for Class I Division 1 & 2, Class II Division 1 & 2, Class III, it offers a safe, maintenance-free lighting solution for compact industrial environments.



COMPLIANCE

Marking UL844 (North American)
 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
 UL924
 UL844
 UL 121201/CSA NO.213
 CSA C22.2 No.137-18



FEATURES



60lm/W

High Efficacy & Energy Saving: Up to 60 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



Discharge Time: 180 minutes
 Provides up to 180 minutes of continuous illumination during power failure.



0-10V
DIMMABLE

Smart Control Ready: Compatible with 0-10V/DALI dimming, optional microwave/infrared sensor, and emergency kit.



RELIABLE
WARRANTY

Reliable Warranty:
 5 Years Warranty.

- Robust Protection:

IP66 waterproof & dustproof, IK08 impact resistance for harsh industrial environments.

- Superior Thermal Management:

A356T6 aluminum housing with optimized heat sink for reliable performance.

- Versatile Mounting Options:

Wall, pendant and pendant with safe wires mounting for flexible installation.

- Wide Input Voltage:

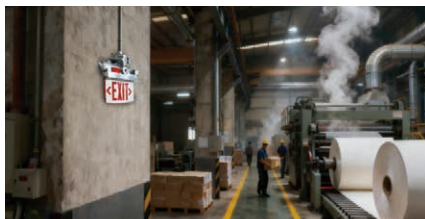
AC100-277V / AC100-347V, suitable for global power grids.

- Two Options of Function:

Model 1: EXIT sign remains on with or without mains electricity.

Model 2: EXIT sign does not light up when there is mains electricity, but only lights up when there is a power outage.

APPLICATIONS



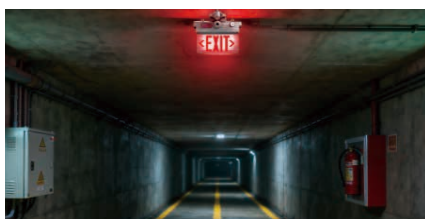
Paper Mills: Providing dependable emergency illumination in dust-heavy paper production areas to ensure safe evacuation during power outages.



Loading Dock Platforms: Ensuring clear and stable emergency lighting for busy loading zones to guide workers safely through high-traffic areas during power interruptions.



Chemical Processing Facilities: Delivering reliable emergency lighting in hazardous chemical environments to support safe movement and quick response when normal power fails.



Coal Mine: Offering essential backup illumination for dark and confined mining areas to enhance worker safety during unexpected power losses.



Power Plants: Maintaining critical visibility across high-risk equipment areas to support safe operations when power interruptions occur.

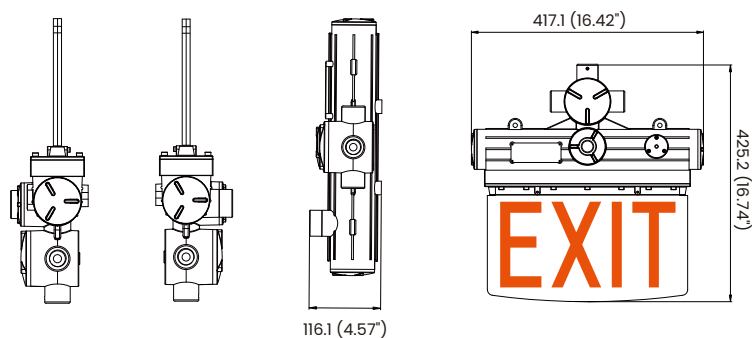


Heavy Industrial Facilities: Supporting safe evacuation and operational continuity in large industrial environments during unexpected power failures.

TECHNICAL PARAMETERS

Product Model	EX-1W	EX-2W	EX-3W	EX-4W	EX-5W
Electrical Performance					
Wattage	1W	2W	3W	4W	5W
Input Voltage	AC100-277V/100-347V	AC100-277V/100-347V	AC100-277V/100-347V	AC100-277V/100-347V	AC100-277V/100-347V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Factor (PF)	>0.9	>0.9	>0.9	>0.9	>0.9
Surge Protection	-	-	-	-	-
THD	-	-	-	-	-
Optical Performance					
Luminous Efficacy	60lm/W	60lm/W	60lm/W	60lm/W	60lm/W
Luminous Flux	60lm	120lm	180lm	240lm	300lm
CCT	-	-	-	-	-
CRI	Ra>	Ra>	Ra>	Ra>	Ra>
Beam Angle	180°	180°	180°	180°	180°
Unified Glare Rating (UGR)	-	-	-	-	-
Reliability					
Lifetime	>100,000h	>100,000h	>100,000h	>100,000h	>100,000h
Operating Temperature	-10 ~ +60°C	-10 ~ +60°C	-10 ~ +60°C	-10 ~ +60°C	-10 ~ +60°C
Storage Temperature	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C	-40 ~ +70°C
Ingress Protection	IP66	IP66	IP66	IP66	IP66
Impact Resistance	IK08	IK08	IK08	IK08	IK08
Control					
Dimming	Non-dimmable	Non-dimmable	Non-dimmable	Non-dimmable	Non-dimmable
Sensor	No	No	No	No	No
Communication Protocol	-	-	-	-	-
Emergency Kit	3 Hours Emergency Time	3 Hours Emergency Time	3 Hours Emergency Time	3 Hours Emergency Time	3 Hours Emergency Time
Mechanical					
Housing Material	A356T6 Aluminum	A356T6 Aluminum	A356T6 Aluminum	A356T6 Aluminum	A356T6 Aluminum
Lens Material	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass
Coating	Grey/RAL7040	Grey/RAL7040	Grey/RAL7040	Grey/RAL7040	Grey/RAL7040
Net Weight	6kg	6kg	6kg	6kg	6kg
Dimensions	417.1x116.1x425.2mm	417.1x116.1x425.2mm	417.1x116.1x425.2mm	417.1x116.1x425.2mm	417.1x116.1x425.2mm
Warranty					
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years

MECHANICAL DIMENSIONS



Product Model	EX-1W	EX-2W	EX-3W	EX-4W	EX-5W
Wattage	1W	2W	3W	4W	5W
Outer box (L*W*H)	470x470x260mm (18.50"x18.50"x10.24")				
Q'ty/Ctn	2pcs	2pcs	2pcs	2pcs	2pcs
N.W./Ctn	6.0kg/13.23lbs	6.0kg/13.23lbs	6.0kg/13.23lbs	6.0kg/13.23lbs	6.0kg/13.23lbs
G.W./Ctn	14.0kg/30.86lbs	14.0kg/30.86lbs	14.0kg/30.86lbs	14.0kg/30.86lbs	14.0kg/30.86lbs
Remarks	-	-	-	-	-

EXPLANATION OF INDICATOR LIGHT



RGY three-color indicator light

If three or two indicator lights remain on during initial power on, it is necessary to reset them by detecting the switch: press the switch "ON" for 5 to 6 seconds ->OFF ->ON.

RED:

1. Fast charging for 2 hours.
2. Charging indicator, displaying 20% -80% battery capacity.

GREEN:

1. Trickle charging.
2. Charging indicator, displaying 80% -100% battery capacity.
3. Green light on when disconnecting the battery.

RED and GREEN:

Red and Green flashes alternately for 5 minutes, indicating that it is at 80% battery capacity.

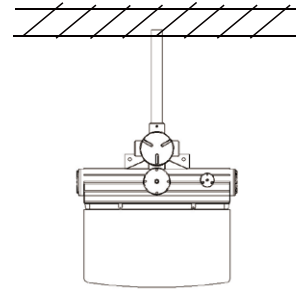
YELLOW:

1. Discharge below 20%.
2. If the yellow light is on in any state, the product is out of order.

INSTALLATION

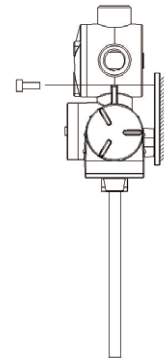
Pole Mounting

1. find out an available trade size rigid metal conduit that can match the conduit opening on light first, then thread and tight the conduit to the light by rotating the conduit to all full threads.
2. Connect the light wire with the branch circuit wire. Remark: usually the black wire connect with the line wire, the white wire connect with the neutral wire, and the green wire with the yellow stripe with the earthing wire.
3. fix the rigid metal conduit to the mounting surface. Finally check if the light can be on normal working.



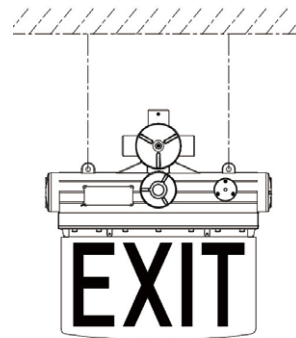
Wall Mounting

1. find out an available trade size rigid metal conduit that can match the conduit opening on light first, then thread the light and tight the conduit to the light by rotating the conduit to all full threads.
2. Connect the light wire with the branch circuit wire. Remark: usually the black wire connect with the line wire, the white wire connect with the neutral wire, and the green wire with the yellow stripe with the earthing wire.
3. The third step Mount the light to the Wall. There are two mounting holes on the light. User can select appropriate mounting threads and mounting accessories, and fixed it by going through two threads into the mounting surface on the wall.
4. Finally check if the light can be on normal working.



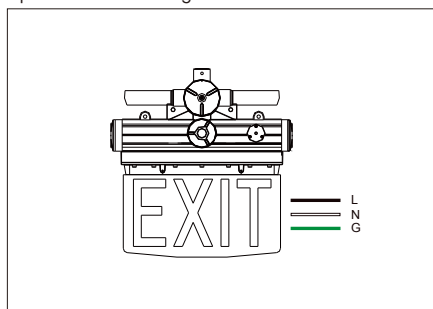
Pendent Mounting (Thread: 3/4" NPT)

1. find out an available trade size rigid metal conduit that can match the conduit opening on light first, then thread and tight the conduit to the light by rotating the conduit to all full threads.
2. Assembly the pendent rope to the light.
3. Connect the light wire with the branch circuit wire. Remark: usually the black wire connect with the line wire, the white wire connect with the neutral wire, and the green wire with the yellow stripe with the earthing wire.
4. Hang the light to the mounting surface. Finally check if the luminaire can be on normal working.

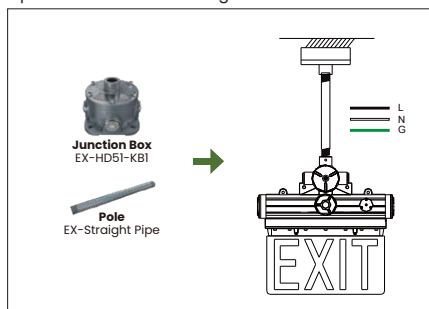


MOUNTING METHODS AND ACCESSORIES

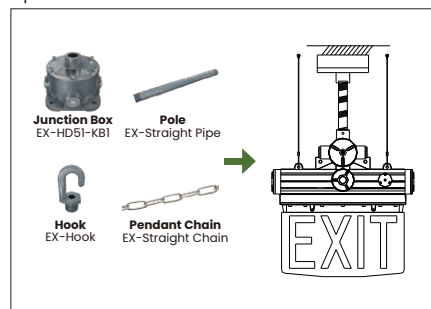
Option 1: Wall Mounting



Option 2: Pendant Mounting



Option 3: Pendant with Safe Wires



ORDER INFORMATION

EX-YY-YY-Y

① ② ③ ④ ⑤ ⑥

① Explosion-proof Exit Sign

② Wattage

1W	1W
2W	2W
3W	3W
4W	4W
5W	5W

③ Shell Shape Series

J	J
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④ Dimmable

(Blank)	Non Dimmable
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⑤ Color of LED

R	Red
G	Green

⑥ Mounting Type

M1	Wall Mounting
M2	Pendant Mounting
M3	Pendant with Safe Wires



WARRANTY PERIOD
5 YEARS
WARRANTY



WARRANTY COVERAGE
LED LIGHT SOURCE,
DRIVER



AFTER-SALES
SERVICE COMMITMENT
24H RESPONSE



AFTER-SALES
SERVICE COMMITMENT
72H RESOLUTION/REPLACEMENT