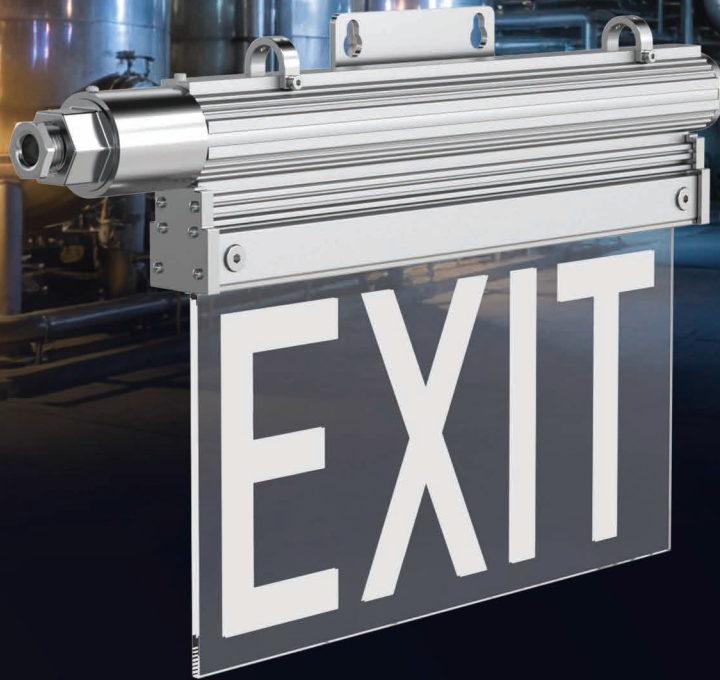




EX-V SERIES

EXPLOSION-PROOF EXIT SIGN

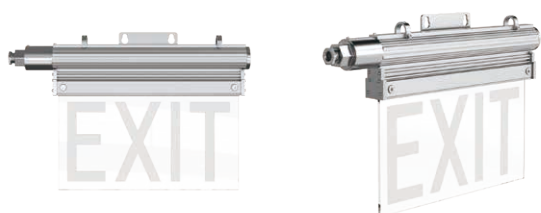
Class I Division 2, Class II Division 1 & 2, Class III

INTRODUCTION

The FGE-V 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 20 lm/W, the V Series provides uniform, flicker-free light while maintaining excellent explosion protection.

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



COMPLIANCE

UL 844 Hazardous Locations
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



FEATURES



20lm/W

High Efficacy & Energy Saving: Up to 20 lm/W, reducing energy consumption by over 60% compared with HID fixtures.



0-10V
DIMMABLE

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



Discharge Time: 180 minutes

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



RELIABLE
WARRANTY

Reliable Warranty:
5 Years Warranty.

- Robust Protection:

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

- Superior Thermal Management:

Aluminum housing with optimized heat sink for reliable performance.

- Versatile Mounting Options:

Wall, pendant and Pipe mounting for flexible installation.

- Wide Input Voltage:

AC100-277V, 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.



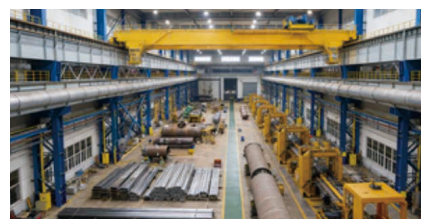
Chemical Processing Facilities: Delivering reliable emergency lighting in hazardous chemical environments to support safe movement and quick response when normal power fails.



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.

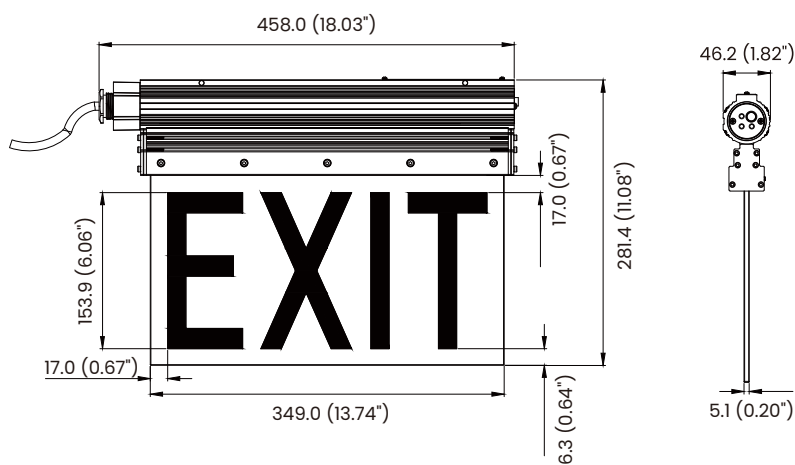


Heavy Industrial Facilities: Supporting safe evacuation and operational continuity in large industrial environments during unexpected power failures.

TECHNICAL PARAMETERS

Product Model	EX-5W
Electrical Performance	
Wattage	5W
Input Voltage	AC100-277V
Frequency	60Hz
Power Factor (PF)	>0.9
Surge Protection	-
THD	-
Optical Performance	
Luminous Efficacy	20lm/W
Luminous Flux	100lm
CCT	-
CRI	-
Beam Angle	180°
Unified Glare Rating (UGR)	-
Reliability	
Lifetime	>100,000h
Operating Temperature	-20 ~ +60°C
Storage Temperature	-40 ~ +70°C
Ingress Protection	IP66
Impact Resistance	IK08
Control	
Dimming	Non-dimmable
Sensor	No
Communication Protocol	-
Emergency Kit	3 Hours Emergency Time
Mechanical	
Housing Material	Aluminum
Lens Material	Tempered Glass
Coating	Grey/RAL7040
Net Weight	3.3kg
Dimensions	458.0x46.2x281.4mm
Warranty	5 Years

MECHANICAL DIMENSIONS



Product Model	EX-5W
Wattage	5W
Outer box (L*W*H)	470x470x260mm (18.50"x18.50"x10.24")
Q'ty/Ctn	2pcs
N.W./Ctn	3.30kg/7.28lbs
G.W./Ctn	7.00kg/15.43lbs
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.

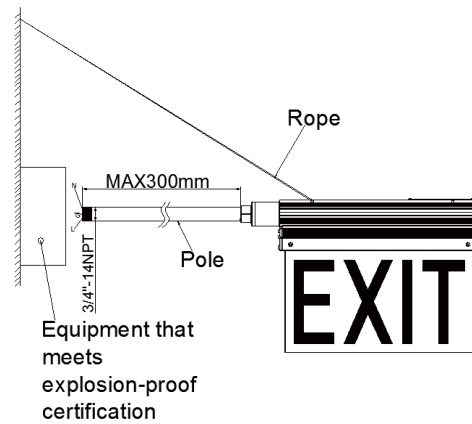
YELLOW:

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

INSTALLATION

Pipe Mounting (Turn off the power before installation)

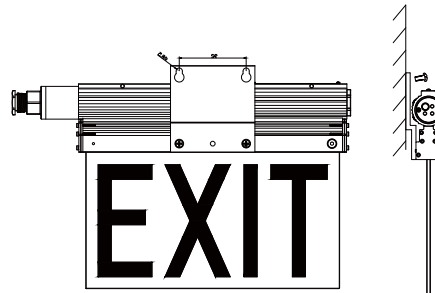
1. Find out an available power supply cable that has three wires, connect the power cable with the terminals of the power source in a certificated junction box. Please note the polarity of the terminals and the color of the wires should be connected correspondingly.
2. Find out an available installation pipe that can match the conduit hub of the lighting firstly, for which the pipe should be 3/4"-14NPT. Then thread the power cable through the pipe, and then tighten the pipe to the light by rotating the pipe, which needs to rotate at least six full threads.
3. Connect the cords of power supply wire with the power wire of the lighting in the conduit hub of the lighting by using the connectors that are provided together with the lighting. Remark: usually the black cord connects with the line wire, the white cord connects with the neutral wire, and the green cord or the green cord with the yellow stripe with the earthing wire.
4. Fix the mounting pipe and the junction box by an available way, and then reinforce it with the sling rope. Finally test if the lighting can work normally after ensuring that the explosive atmosphere is removed.



Wall Mounting

1. Find out an available power supply cable that has three wires, connect the power cable with the terminals of the power source in a certificated junction box. Please note the polarity of the terminals and the color of the wires should be connected correspondingly.
2. Find out an available installation pipe that can match the conduit hub of the lighting firstly, for which the pipe should be 3/4"-14NPT. Then thread the power cable through the pipe, and then tighten the pipe to the light by rotating the pipe, which needs to rotate at least six full threads.
3. Connect the cords of power supply wire with the power wire of the lighting in the conduit hub of the lighting by using the connectors that are provided together with the lighting. Remark: usually the black cord connects with the line wire, the white cord connects with the neutral wire, and the green cord or the green cord with the yellow stripe with the earthing wire.
4. Mount the fixture to the wall. There are two mounting holes in the fixture. User can select appropriate mounting threads and mounting accessories and fix them by going through two threads into the mounting surface on the wall.
5. Fix the lighting to the mounting surface by using the screws provided in the accessories package. Finally test if the lighting can work normally after ensuring that the explosive atmosphere is removed.

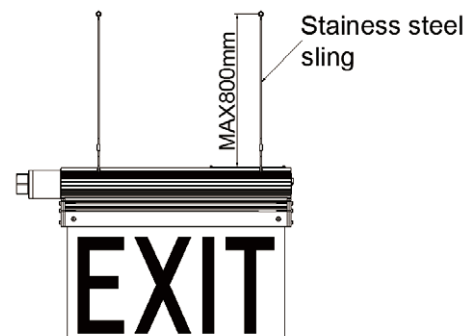
The product shall be connected to branch supply in accordance with the applicable Codes, and fittings shall be certified for the applicable use environment.



Suspension Pendent Mounting (Thread: 3/4" NPT)

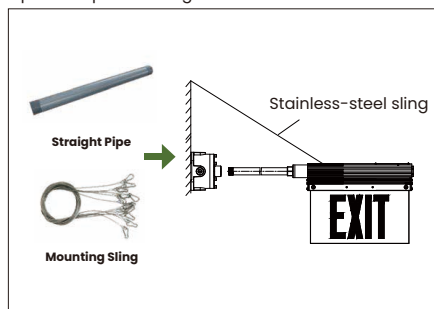
1. Find out an available power supply cable that has three wires, connect the power cable with the terminals of the power source in a certificated junction box. Please note the polarity of the terminals and the color of the wires should be connected correspondingly.
2. Find out an available installation pipe that can match the conduit hub of the lighting firstly, for which the pipe should be 3/4"-14NPT. Then thread the power cable through the pipe, and then tighten the pipe to the light by rotating the pipe, which needs to rotate at least six full threads.
3. Connect the cords of power supply wire with the power wire of the lighting in the conduit hub of the lighting by using the connectors that are provided together with the lighting. Remark: usually the black cord connects with the line wire, the white cord connects with the neutral wire, and the green cord or the green cord with the yellow stripe with the earthing wire.
4. Fix and tighten the installation pipe to the lighting and the junction box. Then assemble the pendent rope to the luminaire, for which the screws and the ropes are provided in the accessories package together with the luminaire.
5. Hang the hook of the rope to the ring or cross-bar located in the mounting surface. Finally test if the luminaire can work normally after ensuring that the explosive atmosphere is removed.

The product shall be connected to branch supply in accordance with the applicable Codes, and fittings shall be certified for the applicable use environment.

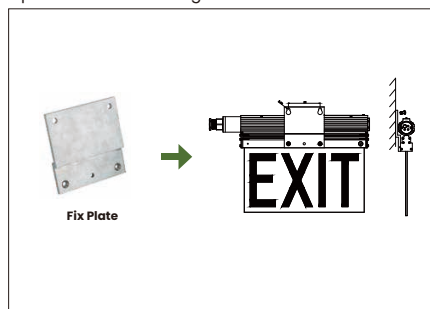


MOUNTING METHODS AND ACCESSORIES

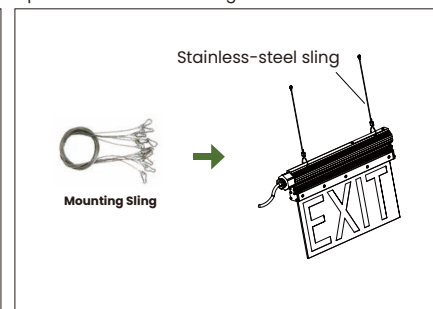
Option 1: Pipe Mounting



Option 2: Wall Mounting



Option 3: Pendant Mounting



ORDER INFORMATION

EX-YY-YY-Y

① ② ③ ④ ⑤ ⑥

① Explosion-proof Exit Sign

② Wattage

5W	5W
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③ Shell Shape Series

V	V
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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