

Explosion Proof

LED Exit Light



Materials

- ★ Housing: A360 Die-casting aluminum
- ★ Indicator: Tempered glass
- ★ Bolts: Stainless steel
- ★ Mounting Sling: Stainless steel
- ★ Sign panel: Resistant Acrylic

Key Features

- High durability and reliability.
- Label content customizable.
- Low working wattage for energy saving.
- High leakproofness up to IP66.
- 3/4 " or M25 NPT conduit hubs.
- Pendant, wall and end bracket mounts provide universal installation options.
- Acrylic sign panel makes cleaning easy.
- Hinged-access door.
- Optics beam angle can be wide and narrow.
- Various languages and Exit signs available.
- Can be used outdoors.
- Edge-lit sign .

Explosion Protection

Marking Atex	II2 G Ex db op is IIB T5/T6 Gb II2 D Ex op is tb IIIC T80/90C Db IP66
Marking IECEX	Ex db op is IIB T5/T6 Gb Ex op is tb IIIC T80/90C Db IP66
Others	NFPA Life Safety Code No. 101-1991 NEMA 4X IP 65

Applications

Oil and Gas industry

- ★ All petroleum production and refining
- ★ Petroleum loading and transportation
- ★ Petroleum storage and retail
- ★ LNG industry
- ★ All mining operations and service

Chemical industry

- ★ All types of paint facilities
- ★ Chemical production and storage

Metal treatment

- ★ Steel and aluminum factories
- ★ Pumping stations in any environment
- ★ Metal smelting, foundry and fabrication

Food and alcohol industry

- ★ Flour and fine particle production and storage
- ★ Food and distilling production
- ★ alcohol industry

Other high humidity, high dust, high temperature, vapor locations

Value-Added Features

- 10kv surge protection.
- Emergency back up battery for Exit sign and spot light for contingency period of 180 minutes .
- Customized motion sensor(Optional).
- Long lifespan up to 50,000 hours.
- Two top bright spot light can be adjusted in horizontal and vertical directions.
- LED circuit board and driver can be replaced in field easily.



Nomenclature

EX-xxW
A

ES02
B

Y Z D
C D E

A
F

-1 -F
G H

A

Power

Small Housing: 1W-10W

Big Housing: 10W-24W

C

Category

A1:Luminaire

A2:Emergency Luminaire

B1:Luminaire with 2 spot lights

B2/B3:Exit Signs

B4/B5:Exit Signs and 2 spot lights

E

Color

R: Red

G: Green

Y: Yellow

F

Marks

A:EXIT

B:←亮

C:↑亮

D:亮→

E:↓亮

K: EXIT →

G:亮↖

H:亮↗

I:亮↘

J:←EXIT

B

Series No.

ES02

D

Dimming Function

D:Dimmable

N:Non Dimmable

G

H

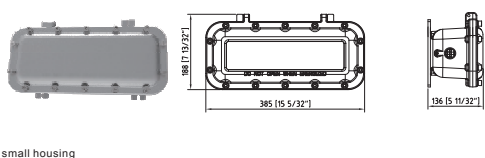
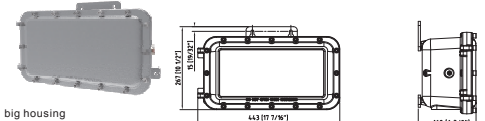
Optional

F: food field

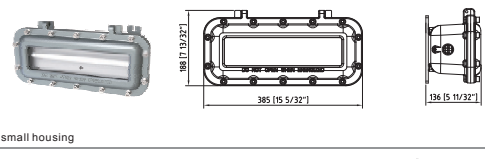
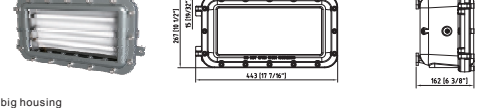
Blank: Other fields

Ordering Details

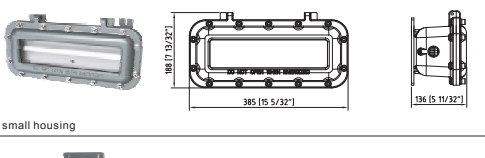
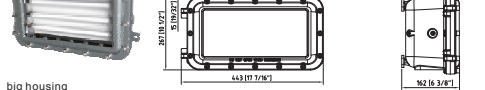
TypeJX and TypeYJ: Junction Box and Emergency Battery back up box

	Type	Model Number	Input
 small housing	Junction Box	EX-PD61-JX-IIB+H2-A1a EX-PD61-JX-IIB+H2-A1b EX-PD61-JX-IIB+H2-A1c	Max 800 VAC Currency Cable Cross Section:2.5mm ² 24A Cable Cross Section:4.0mm ² 32A Cable Cross Section:6.0mm ² 41A Cable Cross Section:10mm ² 57A Cable Cross Section:16mm ² 76A Cable Cross Section:35mm ² 125A Cable Cross Section:70mm ² 192A Cable Cross Section:240mm ² 400A
	Battery Box	EX-PD61-YJ01-IIB+H2	
	 big housing	Junction Box	
Battery Box		EX-PD61-YJ02-IIB+H2	

TypeA1: Luminaire

	Housing	Model Number	Wattage(W)	Lumens	Input
 small housing	Small Housing	EX-5W ES02A1N50	5W	700	AC100-277V by driver and by IC DC12-48V
		EX-10W ES02A1N50	10W	1400	
		EX-1×8W ES02A1N40	8W	1120	
 big housing	Big Housing	EX-15W ES02A1N40	15W	2100	
		EX-20W ES02A1N40	20W	2800	
		EX-2×8W ES02A1N40	16W	2240	
		EX-3×8W ES02A1N40	24W	3360	

TypeA2: Luminaire+Emergency Back Up Battery

	Housing	Model Number	Wattage(W)	Lumens	Input
 small housing	Small Housing	EX-5W ES02A2N50	5W	700	AC100-277V by driver and by IC DC12-48V
		EX-10W ES02A2N50	10W	1400	
		EX-1×8W ES02A2N40	8W	1120	
 big housing	Big Housing	EX-15W ES02A2N40	15W	2100	
		EX-20W ES02A2N40	20W	2800	
		EX-2×8W ES02A2N40	16W	2240	
		EX-3×8W ES02A2N40	24W	3360	



Type B1: Emergency back up+Luminaire (two pieces of spot light)

	Housing ↑	Model Number	Wattage(W)	Lumens	Input
	Big Housing	EX-6W ES02B1N50	10W	1400	AC100-277V by driver and by IC Emergency back up to three hours

Type B2: Recessed EXIT Signs

<p>big housing</p>	Model Number	Wattage(W)	Marks	Input
	EX-3W ES02B2N50A	3W	EXIT	AC100-277V by driver and by IC DC12-48V
	EX-3W ES02B2N50B	3W	←	
	EX-3W ES02B2N50C	3W	↑	
	EX-3W ES02B2N50D	3W	→	
	EX-3W ES02B2N50E	3W	↓	
	EX-3W ES02B2N50F	3W	↖	
	EX-3W ES02B2N50G	3W	✓	
	EX-3W ES02B2N50H	3W	→	
	EX-3W ES02B2N50I	3W	↗	
	EX-3W ES02B2N50J	3W	← EXIT	
EX-3W ES02B2N50K	3W	EXIT→		

Type B3: Pendant EXIT Signs+Emergency Back Up Battery

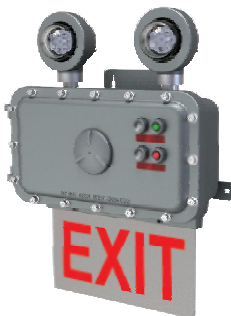
<p>big housing</p>	Model Number	Wattage(W)	Marks	Input
	EX-3W ES02B3N50A	3W	EXIT	AC100-277V by driver and by IC DC12-48V
	EX-3W ES02B3N50B	3W	←	
	EX-3W ES02B3N50C	3W	↑	
	EX-3W ES02B3N50D	3W	→	
	EX-3W ES02B3N50E	3W	↓	
	EX-3W ES02B3N50F	3W	↖	
	EX-3W ES02B3N50G	3W	✓	
	EX-3W ES02B3N50H	3W	→	
	EX-3W ES02B3N50I	3W	↗	
	EX-3W ES02B3N50J	3W	← EXIT	
EX-3W ES02B3N50K	3W	EXIT→		

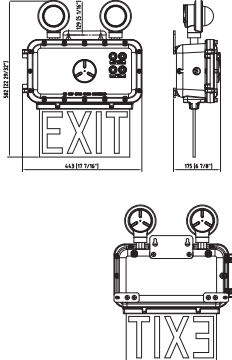
Type B4: Recessed EXIT Signs+Luminaire (two pieces of spot light)+Emergency Back Up Battery

<p>big housing</p>	Model Number	Wattage(W)	Marks	Input
	EX-3W ES02B4N50A	3W	EXIT	AC100-277V by driver and by IC DC12-48V
	EX-3W ES02B4N50B	3W	←	
	EX-3W ES02B4N50C	3W	↑	
	EX-3W ES02B4N50D	3W	→	
	EX-3W ES02B4N50E	3W	↓	
	EX-3W ES02B4N50F	3W	↖	
	EX-3W ES02B4N50G	3W	✓	
	EX-3W ES02B4N50H	3W	→	
	EX-3W ES02B4N50I	3W	↗	
	EX-3W ES02B4N50J	3W	← EXIT	
EX-3W ES02B4N50K	3W	EXIT→		



Type B5: Pendant EXIT Signs+Luminaire (two pieces of spot light)+Emergency Back Up Battery





Model Number	Wattage(W)	Marks	Input
EX-3W ES02B4N50A	3W	EXIT	AC100-277V by driver and by IC DC12-48V
EX-3W ES02B4N50B	3W	←	
EX-3W ES02B4N50C	3W	↑	
EX-3W ES02B4N50D	3W	→	
EX-3W ES02B4N50E	3W	↓	
EX-3W ES02B4N50F	3W	↙	
EX-3W ES02B4N50G	3W	↘	
EX-3W ES02B4N50H	3W	↗	
EX-3W ES02B4N50I	3W	↖	
EX-3W ES02B4N50J	3W	← EXIT	
EX-3W ES02B4N50K	3W	EXIT→	

big housing

Installation Manual

WARNING

READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING. KEEP THIS INSTRUCTIONS FOR FUTURE REFERENCE. Fixtures must be wired in accordance with the National electrical code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDOUS INVOLVED.

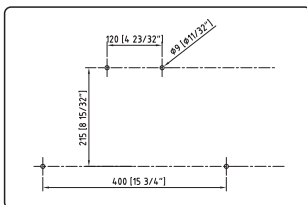
- Warning:** Risk of fire or electric shock. Exit light installation requires knowledge of luminaires and electrical systems. DO NOT open the enclosure when energized. DO NOT try to install if not qualified. Please contact a professional electrician.
- Warning:** Risk of fire or electric shock. Suitable for wet locations. Make sure the power is off prior to installation.
- Warning:** Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.
- Warning:** DO NOT install in unstable, loose or breakable surfaces.
- Warning:** DO NOT let objects impact or exert force on the surface of the fixture.



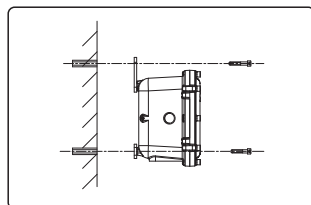
⚠ WARNING
Risk of fire, Electric shock or personal injury
Please turn off power before installation!

Wall Mount with Bracket

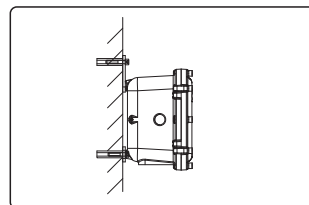
Type JX and Type YJ



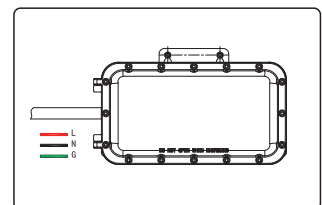
1. Drill 4 × holes (Ø9mm) as above drawing.



2. Install 4 × M8 expanded screws to fix device.

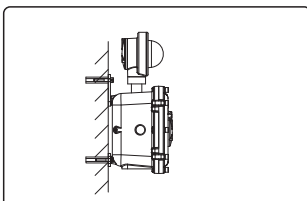


3. Tighten 4 × the screws.

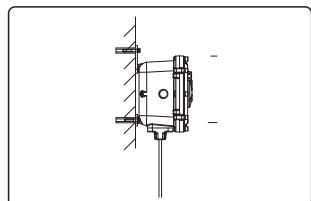


4. Wiring the cable as white to L, black to N, green to G.

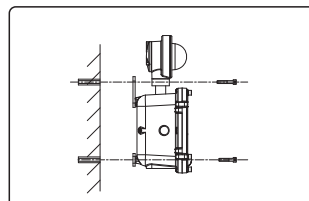
Type B1



Type B3



Type B4



Type B5

