Product Specification

FGE-PL22/24/14-XXWYYK-D

LED 2x2,2x4,1x4 Flat Panel

Introduction

FGE LED Panel is perfectly designed for replacing traditional florescent fixtures or used directly in new construction buildings with great energy saving. Up to 135lm/w with light weight, the fixture is very easy for installation and gives great light performance and good appearance. The product is designed for America region

- Up to 50% energy saving compared to traditional florescent fixture
- Long lifetime of 50,000 hours
- Wide beam angle
- Different options of wattage
- CCT: 3000K   3500K
        4000K   5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

- IP40 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

Applications

For commercial building such as office, school, conference rooms, etc.

Certificate

Electrical and Photometric Characteristics

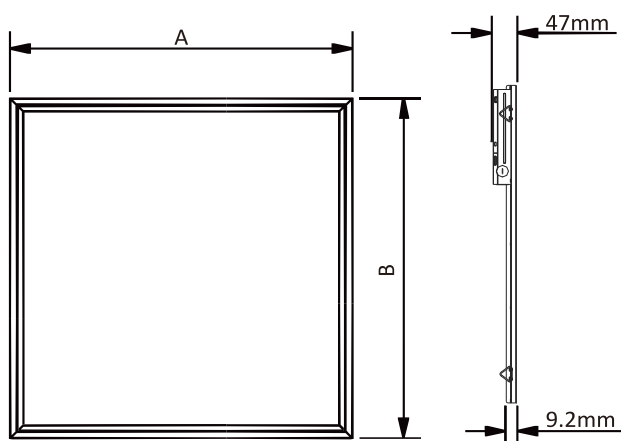|	
Input voltage:	AC100-277V
Operating frequency:	50/60Hz
Power factor:	≥ 0.90
Ambient temperature range:	-20℃ ～+45℃
Color Temp:	3000K~ 5000K
Dimmable:	Yes
THD:	<20%
IP Rating:	IP40
CRI:	80Ra
Beam angle:	120°

FEATURES

- Slim body 9mm thickness with nice finish of frame
- Non-dimmable , Dimmable and Dali as option . (Dimmable : PWM,0-10V，resistor compatible)
- High lumen efficiency with CRI>80Ra .
- Uniform light output ,no dark zone
- Can used with emergency kit
- 5 years warranty

Specifications

Part Number	Dimension	Wattage	Efficiency	Lumen	Dimming
FGE-PL14-36WHYYK	1X4FT	36W	125lm/w	4500lm	0-10V Dimmable
FGE-PL14-40WYYK	1X4FT	40W	110lm/w	4400lm	0-10V Dimmable
FGE-PL22-25WHYYK	2X2FT	25W	125lm/w	3125lm	0-10V Dimmable
FGE-PL22-32WHYYK	2X2FT	32W	125lm/w	4000lm	0-10V Dimmable
FGE-PL22-36WHYYK	2X2FT	36W	125lm/w	4500lm	0-10V Dimmable
FGE-PL22-40WYYK	2X2FT	40W	110lm/w	4400lm	0-10V Dimmable
FGE-PL24-40WHYYK	2X4FT	40W	125lm/w	5000lm	0-10V Dimmable
FGE-PL24-50WHYYK	2X4FT	50W	125lm/w	6250lm	0-10V Dimmable
FGE-PL24-50WYYK	2X4FT	50W	110lm/w	5500lm	0-10V Dimmable
FGE-PL24-70WYYK	2X4FT	70W	110lm/w	7700lm	0-10V Dimmable

Item Number	Qty/Carton (Pcs)	Size of Carton LxWxH (mm)	Net Weight (Kg)	Gross Weight (Kg)
1x4ft	2	1250x335x90	6.87	7.95
2x2ft	2	645x640x90	6.86	7.93
2x4ft	2	1240x640x90	14.47	16.50

47mm

9.2mm

Maximum overall

	A	B
1x4ft	297mm	1212mm
2x2ft	603mm	603mm
2x4ft	603mm	1212mm

Typical Wiring Diagram

Type A : Standard

LINE

NEUTRAL

LED DRIVER

L

N

RED(V+) — RED — PANEL LED+
BLACK(V-) — BLACK — PANEL LED-
PURPLE(D+) — DIMMER+
GRAY (D-) — DIMMER-

GREEN

Type B : Emergency power supply

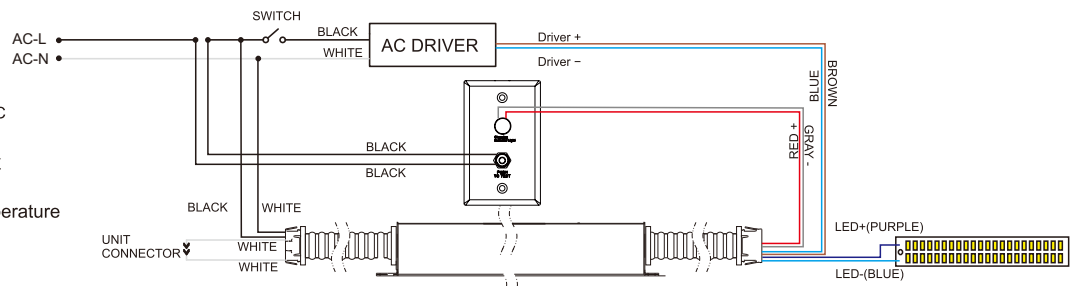### LED Emergency Equipment for Panel

1. 4 power options by Dial code.

2. Constant output power.

3. Long life high temperature recyclable Ni-Cd battery.

4. Includes test switch and charge indicator accessory kit.

5. Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting.

6. High Temp Nickel-Cadmium 24 Hour Recharge

Code switch 4 power				BSS-IM151S-0601250		BSS-IM251S-0602083	
1	2	3	Voltage	Power	Emergency	Power	Emergency
–	–	–	12-60V	15W	90min	25W	90min
–	–	ON		12W	100min	18W	100min
–	ON	–		7W	160min	12W	160min
ON	–	–		4W	330min	6W	350min

WIRING DIAGRAM

(1) DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.

(2) TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.

(3) Must be factory wired Battery temperature must not exceed 50℃
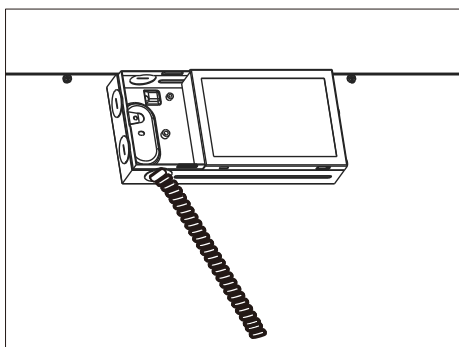
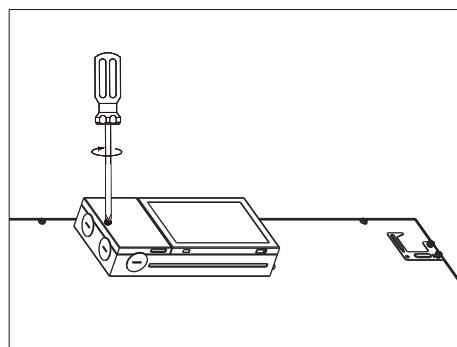# Installation instructions

1.Open the cover of the Junction Box.

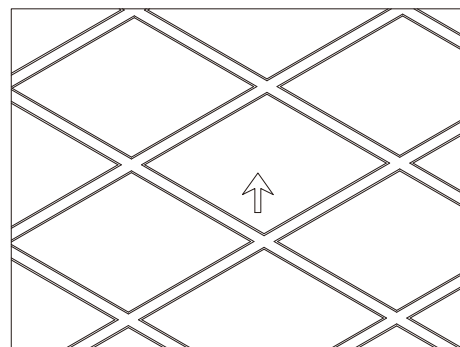2.Choose the hole of the Junction box cover to open it.

PUSH

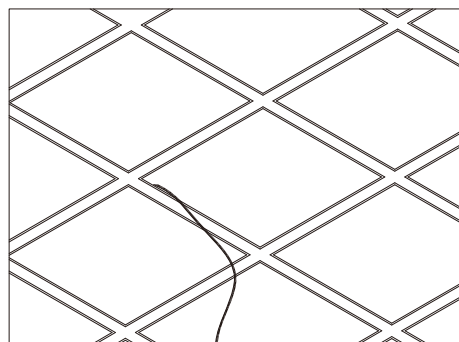3.Connect the power wire into the driver wire.

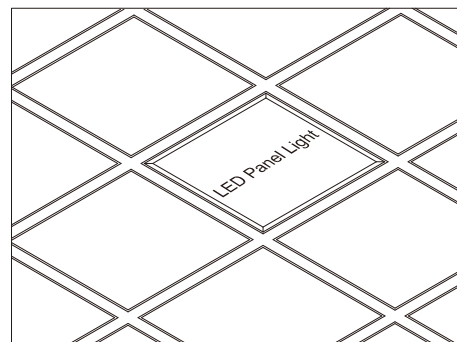4.Use line pressing board clamp the power cord. Then , tight the screw.

5. Fix the cover of the Junction Box, then tighten the screw.
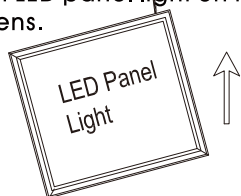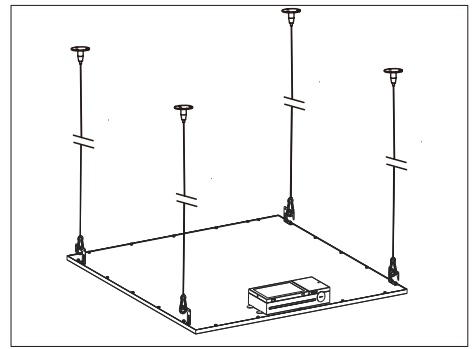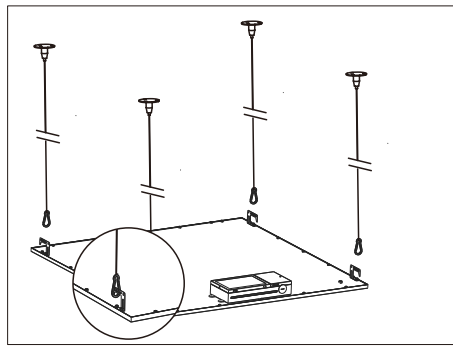
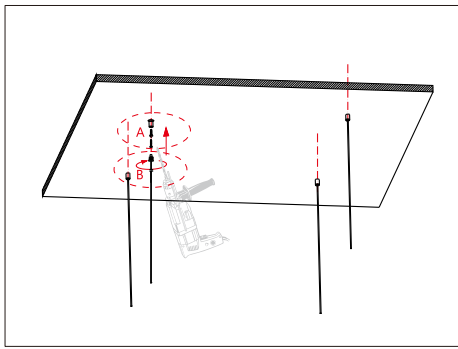6. Remove the ceiling plate, then arrange the wire.

7. Put LED panel light on the ceiling screens.

LED Panel Light

8. Check LED panel is mounted properly and securely.
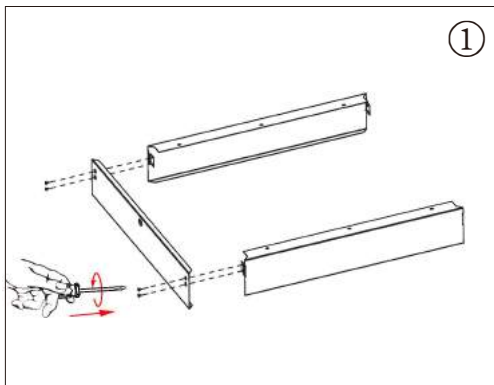
LED Panel Light

Messenger wire installation

1.A:Screwed the ceiling upper base out use the screws with anchor to fix them on the ceiling
B: screw the rope and ceiling hanging lower base into the ceiling hanging upper base which has been fixed
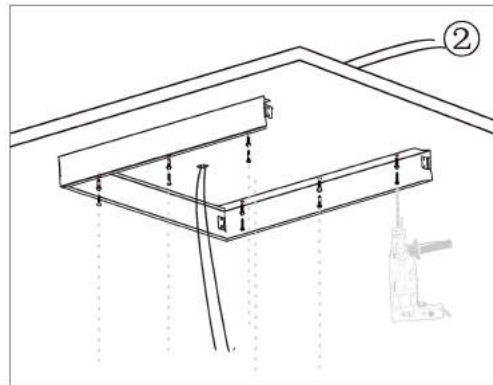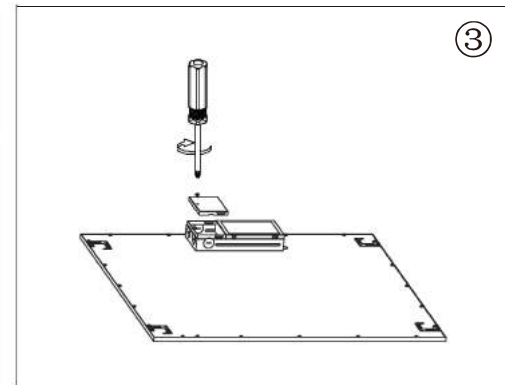
2.Hanging the panel by 4suspend ropes.
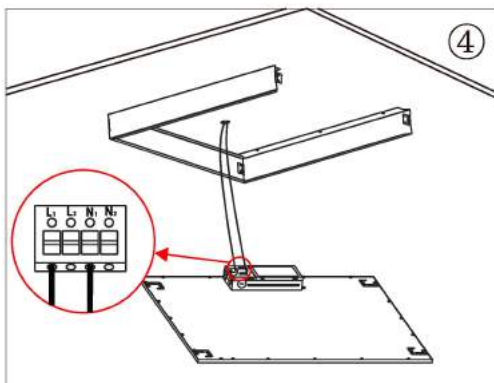
3. Lighting it

Mounting to the ceiling
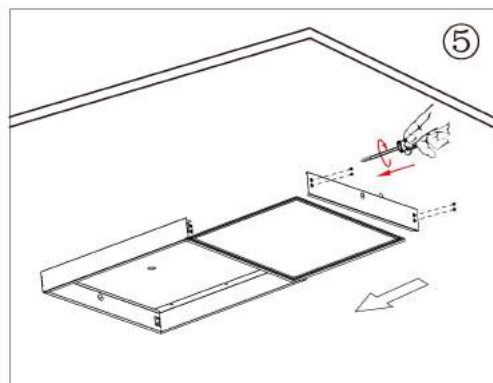

① 1.Assemble three sides of frame together by screw.

② 2.(A)Put the driver upon the ceiling and Leave its DC wire out of ceiling.(B)Connect drive with AC power ,mount the assembled frame onto the ceiling with screws.
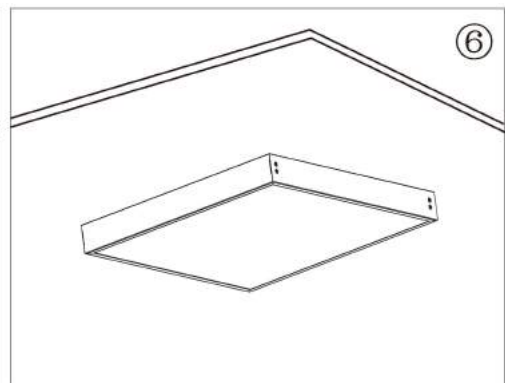
③ 3.Loosen the screw by screwdriver and remove the wiring board of driver.

④ 4.Connect the panel to the driver with quick connector.

⑤ 5.Slide the panel light into the frame.
Close the frame with the last piece by screw,

⑥ 6.Power it on.