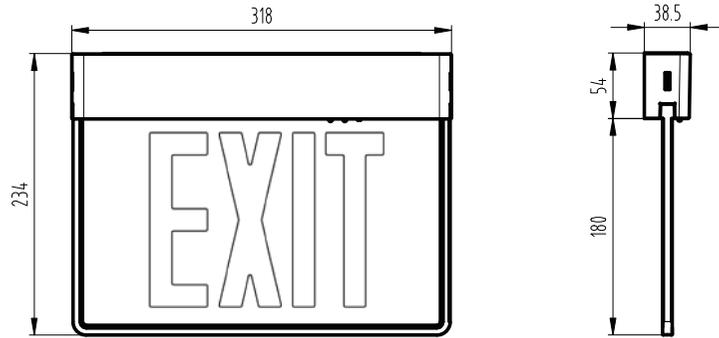


LED Emergency Exit Sign

LF-ESA2



General

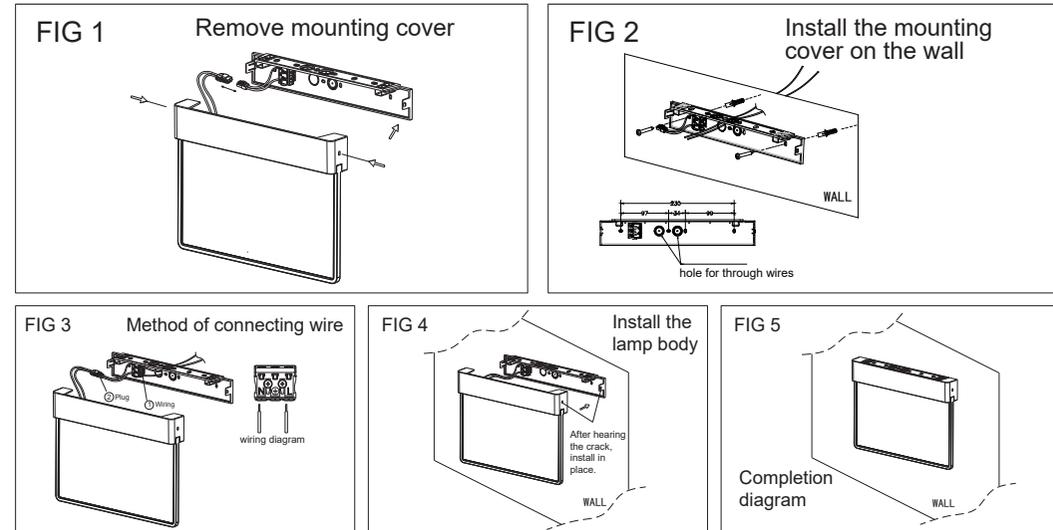
These luminaires are used indoors (ta 40°C) connected to mains power supply. In normal operation the led strip lights and the battery is charging. In case of a mains power supply failure the luminaire will light the led strip automatically in emergency mode (powered by its battery). When the mains power supply is restored the device turns to normal operation. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. The battery is not replaceable.

Model list:

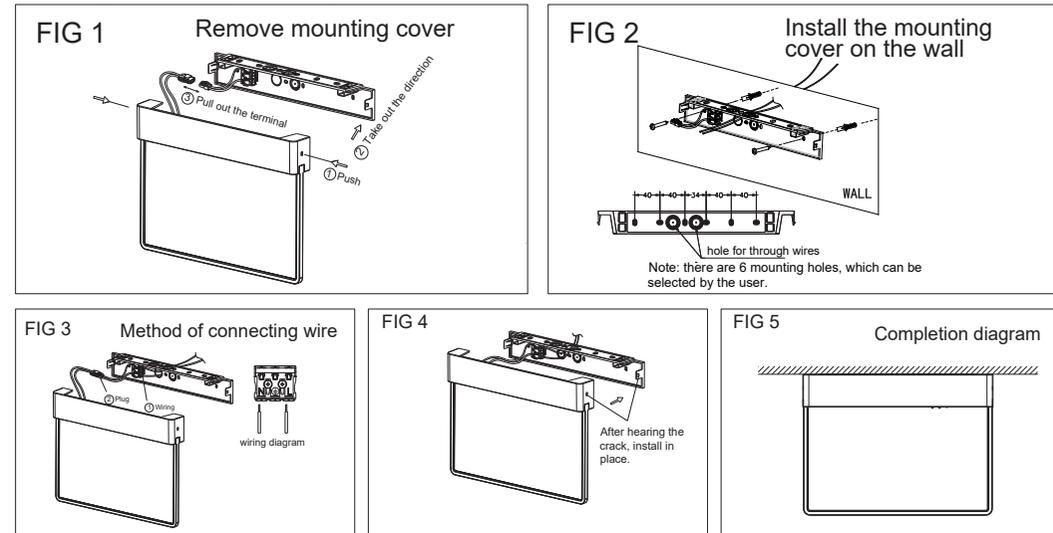
Model No.	LF-ESA2
Rated voltage	DC 36V
Input Ratings	0.07A
Input Current	2.5W
Emergency Output Ratings	0.95W
Light source	LED_SMD
Battery	LiFePo4 3.2V 1200mAH
Battery Life	up to 5 years
Charging time	24H
Emergency Run Time	180 mins
Use environment	Dry and Damp Locations
Operating Temp Range	0°C-40°C
Protection class	Class II
Dimensions	318x234x38.5mm
Warranty	5 years

Mounting methods

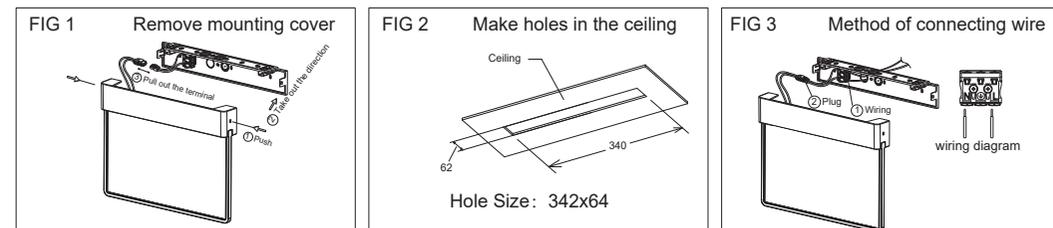
1. Wall mounting(unit: mm)



2. Ceiling mounting(unit: mm)



3. Recessed mounting(unit: mm)



Thank you for your trust in our products.

FIG 4

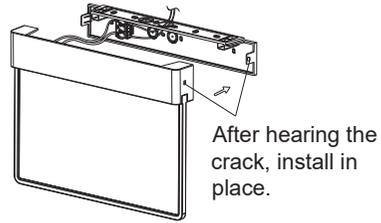


FIG 5

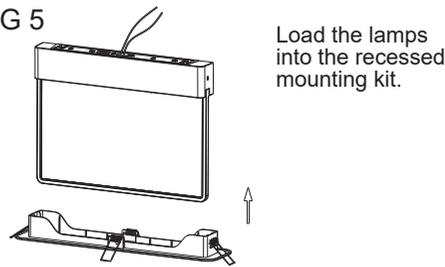


FIG 6

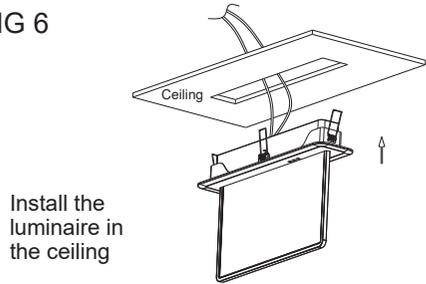
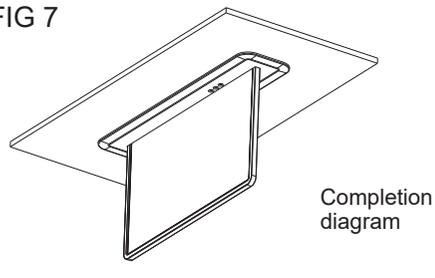
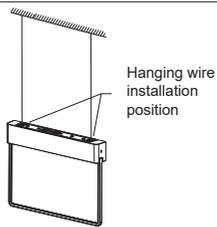


FIG 7



4. Hanging mounting(unit: mm)

FIG 1



OPERATION

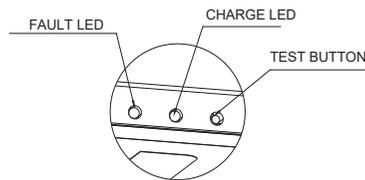
Battery Charging The battery charging is completely controlled. Thereby, the best possible battery maintenance is achieved, as well as the elongation of its life. When the battery has completely charged, it charges with a maintenance current.

Indicator light

Green light flashes when the battery is charging; When the battery is fully charged, the green light is always on; The battery is open, and the yellow light flashes;

Manual test:

In the main power state, press the test switch for 1 second and do not release the lamp to the emergency function, the green indicator light is extinguished, release the test switch to restore the main power state; press the test switch twice, the green indicator light flash, the luminaires switch to the emergency function of monthly inspection simulation, and the main power status is automatically restored after 25-35 seconds of emergency; press the test switch three times, the green indicator light accelerates the flash, and the LUMINAIRES switch to the emergency function of semi-annual inspection simulation (180 days), emergency response time is not less than 30-35 minutes after the automatic restoration of the main power status. (if the emergency does not reach the emergency time, the yellow light will flash and report the fault.)



Battery Cut-off

The luminaire enters in this operation when the mains power supply fails and battery has lost its energy. During this operation the luminaire enters the idle state and battery consumption is negligible, in order to be protected from over discharge.

Automated Test:

When the lamp is under the main power condition for 30 days (± 2 days) , it automatically turns into the monthly check emergency function, the green indicator flash, the emergency time for 25-35 seconds, and automatically restores the main power condition. When the lamp is under the main power condition for 180 days (± 10 days) , it automatically turns into the semi-annual check emergency function, green indicator accelerated flash, emergency time is not less than 30-35 minutes after the automatic restoration of the main power status. (if the emergency does not reach the emergency time, the yellow light will flash and report the fault.)

INSTALLATION

To install the illumination sign you must follow the installation instructions on pages 3 & 4.

The battery is non-replaceable and when it no longer meet their rated duration of operation after the corresponding recharge period, the whole luminaire needs to be replaced.



For non-user replaceable light sources:

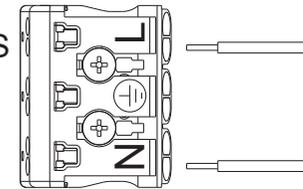
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

**INSTALLATION INSTRUCTIONS
ELECTRICAL CONNECTIONS**

L: live

⊕: If there is a ground wire, it can be connected

N: neutral



Cable: 0.75-2.5 (mm²)
Stripping: 8-9mm

NOTE!! After finishing the installation you must power the luminaire at least for 24 hours for battery charging to perform the nominal autonomy.

General:

1. Operations for installation, maintenance or testing must be done by authorized personnel only.
2. The device must be connected to the mains power supply through a fuse dependent by the total amount of the line's power load.