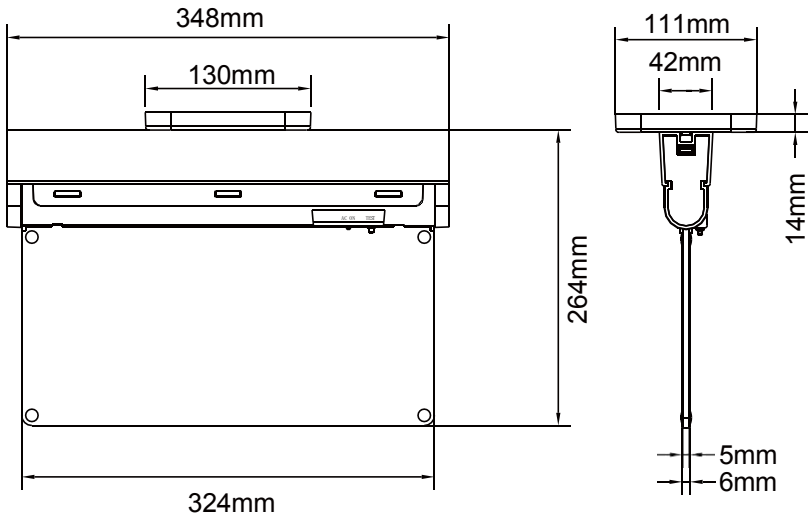


USER’S GUIDE FOR CENTRAL
MONITORING EMERGENCY LIGHTING

LF-ESA1
LF-ESWT



Warning note

This product is certified by UL security standards. This product has the advantages of beautiful appearance, convenient installation and maintenance, energy saving and consumption reduction, and long service life. Mainly used for airports, stations, docks, theaters, shopping malls, basements, confidential rooms, civil defense engineering and other places where personnel gather or move more, to provide safety exit instructions in the event of power failure or power outage.

Model list:

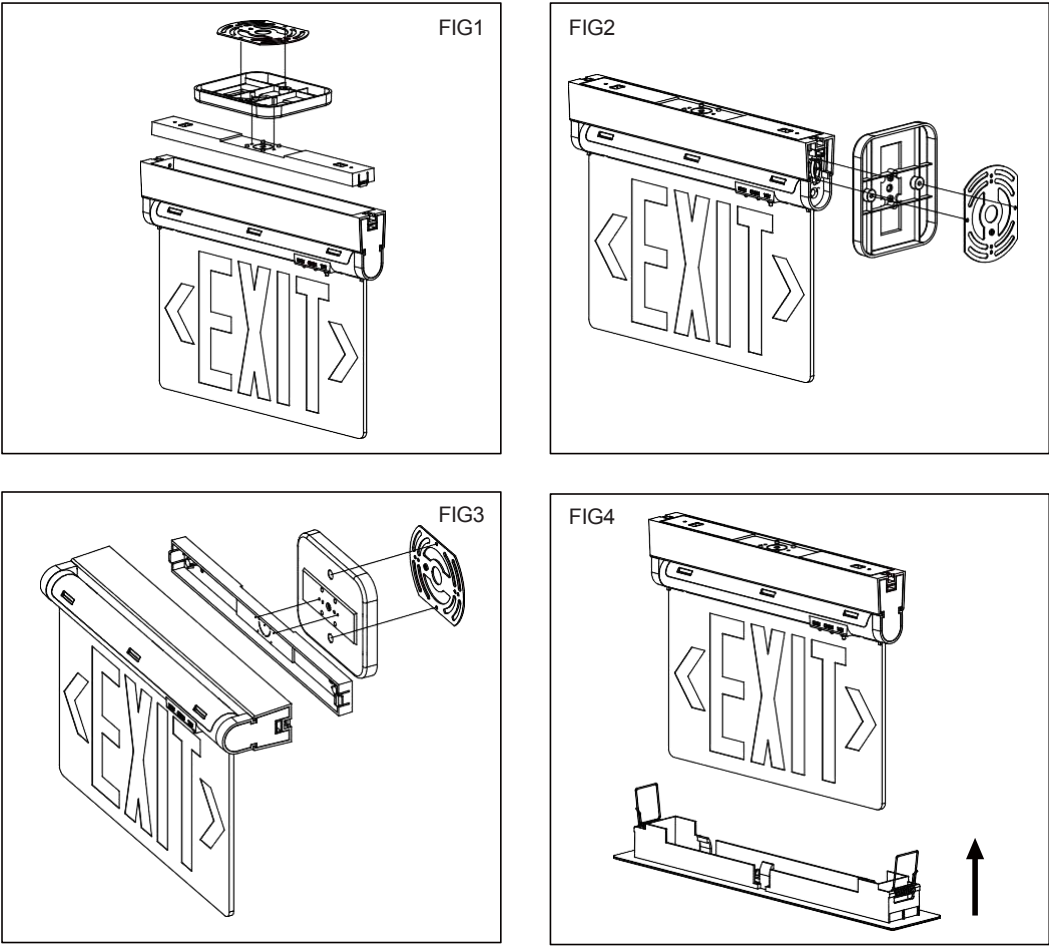
Model No.	LF-ESA1, LF-ESWT
Rated voltage	DC 36V
Input Ratings	0.07A
Input Current	2.5W
Emergency Output Ratings	0.95W
Light source	LED_SMD
Battery	LiFePo4 3.2V 1200mAH
Battery Life	up to 5 years
Charging time	24H
Emergency Run Time	180 mins
Use environment	Dry and Damp Locations
Operating Temp Range	0°C-40°C
Protection class	Class II
Dimensions	348mm×264mm×42mm
Warranty	5 years

Overview

LF-ESA1, LF-ESWT Central Monitoring Emergency Lighting is an emergency luminaire using LED as its light source. Its design meets the requirements of GB17945-2010 "Fire Emergency Lighting and Evacuation Indication System". This lamp needs to be used in conjunction with our company's Central Monitoring system. Its characteristics are:

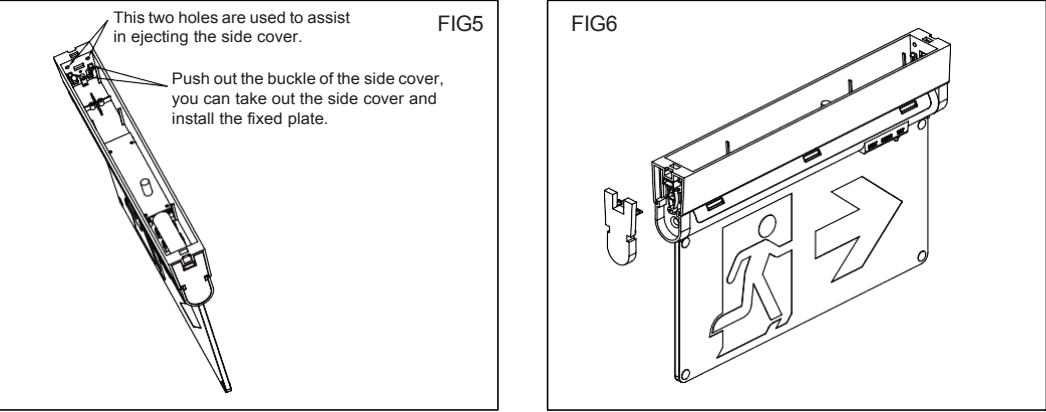
1. With working status reporting function
2. Circuit short-circuit self-recovery protection;
3. Since LED is used as the light source, the energy consumption is extremely low.
4. Emergency conversion has no mechanical contacts and reliable performance.
5. Provide constant output current for multiple LEDs in series, so that the brightness in emergency state is always constant
6. Network intelligent analysis module;
7. LED light source, main power conversion to emergency function
8. Maintained/Non-Maintained conversion function
9. Battery charging indicator
10. Load open and short circuit indicator to report fault
11. Battery open and short circuit indicator to report fault
12. Emergency simulation manual test button
13. Battery overcharge and overdischarge protection function.

Installation instruction diagram:



Installation Method

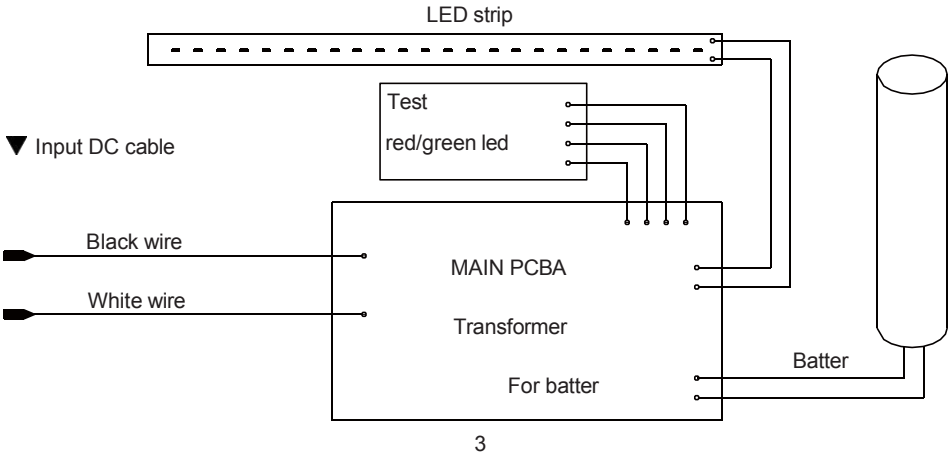
This product provides a total of two installation methods: top mount and end mount. Please remove the fasteners, screws and plastic fasteners in the spare parts bag attached to the product and install them in Figure 1, Figure 2 & Figure 3 & Figure 4 respectively.



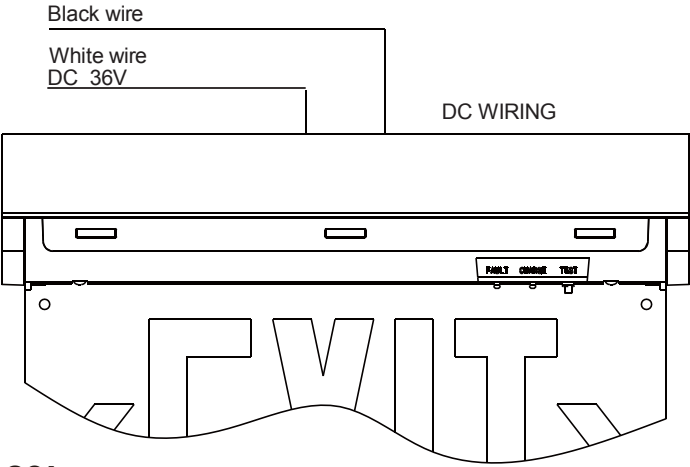
State description

1. When the battery is charged in the state of main power (DC 36V), the green indicator light flashes slowly; when the battery is fully charged, the green indicator light is steady on; when the battery is open, the red indicator light is steady on.
2. Manual simulation test: under the state of main power, press the test switch not to release the lamp to turn into emergency function, the green indicator light goes out, release the test switch to restore the state of main power.
3. Self Test: when the lamps are charged for 1 month under the state of main power, the lamp will automatically switch to the emergency function of monthly inspection. The green indicator will flash, and the emergency time will be 25-35 seconds before it automatically returns to the state of main power. When the lamp is 1 year later, it will automatically switch to the semi-annual inspection emergency function. The green indicator will accelerate the flash, and the emergency time will not be less than 180 minutes before the main power is automatically restored.
4. Under the normal emergency state, press the test button for 3-5 seconds to turn off the emergency function (0V enable).
5. Self-locking P4 switch M-K short circuit is Maintained mode, N-K short circuit is non-maintained mode.

Circuit schematic diagram:



Lamp wiring diagram



Maintenance:

1. Non-professionals should not disassemble the lamps to prevent accidents.
2. If the lamp fails, please contact the manufacturer in time.

Failure analysis and elimination:

1. When the control panel couldn't find the lamp, check whether the communication circuit is connected normally.
2. During use, if the brightness of the LED is less, replace emergency lamp.

Transportation and storage:

1. The Emergency light should be stable and firm during transportation, to avoid damage to the product and packaging due to collision during driving, and should be gently lifted during loading and unloading, and should not knock, drop, or pry;
2. The Emergency Light should be placed in a dry and ventilated place during storage, avoiding contact with corrosive substances and necessary measures for moisture, sun, rain, and anti-corrosion.

Packing List:

1. Central Monitoring Emergency Light 1pcs
2. Manual 1pcs



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.