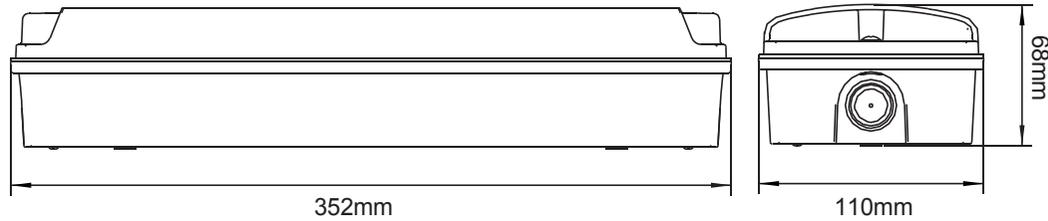


USER'S GUIDE FOR CENTRAL MONITORING EMERGENCY LIGHTING

LF-ELB1
LF-ELB2
LF-ELB4



Warning note

Welcome to use LF-ELB1 Central Monitoring Emergency Lighting produced by our company, Please read this manual before installation, please keep it for reference.

Note: This manual applies to the following models: LF-ELB1, LF-ELB2, LF-ELB4

Model list:

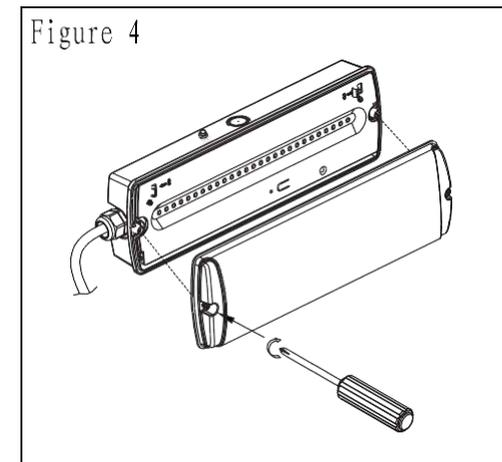
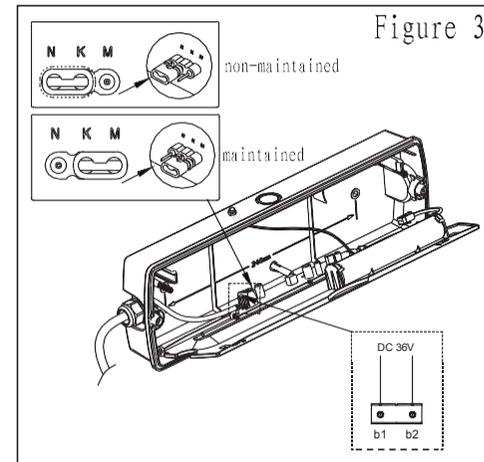
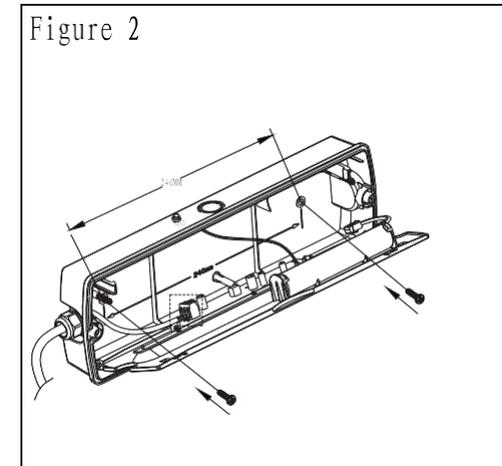
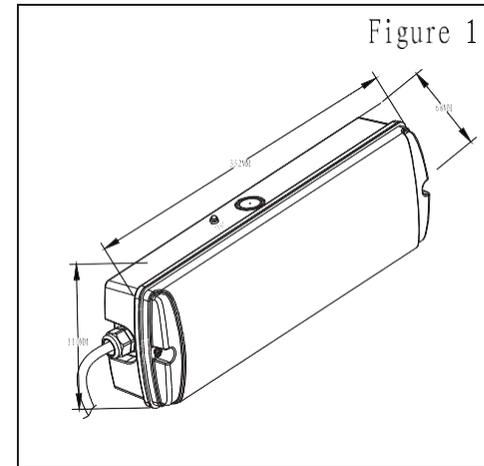
| | |
|------------------------------|---------------------------|
| Model No. | LF-ELB1, LF-ELB2, LF-ELB4 |
| Rated voltage | DC 36V |
| Input Current | 125mA |
| Input Ratings | 4.5W |
| Emergency Output Ratings | 2.5W |
| Battery | LiFePo4 3.2V 3000mAh |
| Battery Life | up to 5 years |
| Charging time | 24H |
| Emergency Run Time | 180 mins |
| Correlated Color Temperature | 6000-7000K |
| Light Source | LED_SMD |
| Light source parameters | DC6.0V(5-6.5V) |
| Luminous flux | ≥ 300Lm |
| Use environment | Dry and Damp Locations |
| Operating Temp Range | 0°C-40°C |
| Protection class | Class II |
| Dimensions | 352mm×110mm×68mm |
| Weight | 0.65kg |
| Warranty | 5 years |

Overview

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. Provide constant output current for multiple LEDs in series, so that the brightness in emergency state is always constant
5. Network intelligent analysis module;
6. LED light source, main power conversion to emergency function
7. Maintained/Non-Maintained conversion function
8. Battery charging indicator
9. Load open and short circuit indicator to report fault
10. Battery open and short circuit indicator to report fault
11. Emergency simulation manual test button
12. Battery overcharge and overdischarge protection function;

Installation instruction diagram:



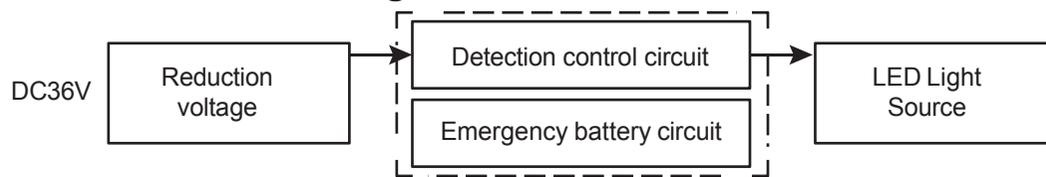
Installation method

1. Pass the power bus inlet and outlet wires out of the equipped embedded parts;
2. Connect the power cord according to the wiring diagram;
3. Fix the lamp on the wall;
4. Refer to the installation hole spacing and the actual outer box position, measure the specific drilling position, and drill with an electric drill;
5. Place the expansion rubber plug into the punched installation hole and tap firmly;
6. According to the wiring label, connect the corresponding power cord to ensure correct wiring.
7. LF-ELB2 shall be marked "Max. mounting height: 10.9__ft (3.3 m)" or the equivalent.
8. LF-ELB4 shall be marked "Max. mounting height: 11.4__ft (3.4 m)" or the equivalent.
9. LF-ELB1 shall be marked "Max. mounting height: 11.8__ft (3.5 m)" or the equivalent.

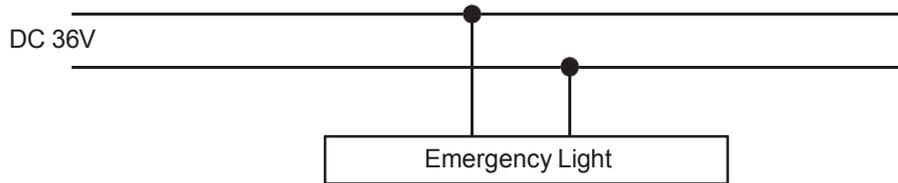
State description

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: In the main power state, press and hold the test button to switch to the emergency function, the green indicator light off, release the test button to restore to the main power state.
3. Under the normal emergency state, press the test button for 3-5 seconds to turn off the emergency function (0V enable).
4. 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:

Central Monitoring Emergency Light 1pc

Manual 1pc



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.