

Installation Instructions

NE-806LED

LED Emergency Light with Battery Backup

READ PRIOR TO ATTEMPTING INSTALLATION
ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION
INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN

⚠ WARNING - This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electric Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing this electrical system.

⚠ AVERTISSEMENT - Cet équipement est destiné à être installé uniquement par du personnel qualifié. L'installation doit être faite en conformité avec l'édition actuelle du Code national de l'électricité et toutes étatiques et locales codes du bâtiment applicables. L'installation finale doit être approuvée par l'inspecteur en électricité / bâtiment qualifié approprié(s). Une mauvaise installation peut entraîner un incendie ou un risque électrique. Soyez sûr de la puissance électrique vers le circuit a été coupée avant l'installation de ce système électrique.

IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

1. Review the diagrams thoroughly before beginning.
2. All electrical connections must be in accordance with local codes, ordinances, and the National Electric code.
3. Disconnect power at fuse or circuit breaker before installing or servicing.
4. Do not use outdoors.
5. Do not mount in hazardous locations, or near gas or electric heaters.
6. Do not let power cords touch hot surfaces.
7. Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
8. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
9. Do not use this equipment for other than intended use.
10. All servicing should be performed by a qualified personnel only.
11. Allow battery to charge for 24 hours before full duration test.

MAINTENANCE

None required. Replace the batteries as needed according to ambient conditions. However, we recommend that the equipment be tested regularly in accordance with local codes.

OPERATION

1. Press the test button. The LED heads will turn on and the LED indicator will turn off. Release the test switch, LED indicator will turn on and the LED heads will turn off.

TROUBLESHOOTING GUIDE

If LED heads or LED indicator do not illuminate, check the following:

1. Check AC supply - verify that unit has 24 hours of AC voltage.
2. Unit is shorted or battery is not connected.
3. Battery voltage too low. Allow luminaire to recharge for 24 hours and then re-test.
4. If the steps above do not solve your problem, contact factory for assistance.

BATTERY STOCK AND RECHARGE GUIDELINE

Emergency fixtures use maintenance free batteries. When a fixture is on the shelf (stored) before installation, all battery types need regular discharge and recharge to avoid battery deterioration. Deterioration can result in permanent capacity loss or complete Battery failure, emergency fixture manufacturer can not provide quality warranty for battery if do not operate proper maintenance before installation.

The recharge period is always taken from the Manufacture Date written on the battery surface.

Ni-Cad and Ni-MH battery:

Shelf life = RechargeRequired = 9 months.

Recharge should involve full discharge and recharge to at least 50% rated capacity

EMERGENCY FIXTURE IN STOCK

When a fixture is on the shelf (stored) before installation, battery must be disconnected from PCBA to avoid self-discharge, prior to installation.

If battery connect to PCBA without charge battery for over 10 days, battery will be deteriorate because of battery self-discharge properties, and cannot recover to original capacity.

BATTERY SHIPPING

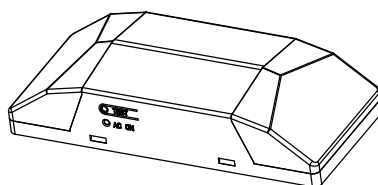
When shipping batteries (of any type) over long distances, where the battery may be subjected to high temperatures for long periods, it is best to not charge the battery above 60% capacity. This will minimize permanent damage to the battery.

BATTERY SAFETY INFORMATION

Proposed long term storage temperature in 15 °C ~25°C, humidity in 45-85% for all types of batteries.

Ni-cad battery/ Ni-MH battery /LiFePO4 battery

Do not damage or remove the external tube. Never throw out cells in a fire or expose to high temperature. Do not soak cells in water and seawater. Do not expose to strong oxidizers. Do not subject strong mechanical shocks or throw fixture. Never disassemble, modify, or deform. Do not connect the positive terminal to the negative terminal with electrically conductive material. Do not short or install with incorrect polarity. Avoid direct sunlight, high temperature, high humidity and the places where it is exposed to the static electricity.



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INSTALLATION INSTRUCTIONS

MAX. MOUNTING HEIGHT: 7.5FT

WALL MOUNT - BACK POWER FEED (see Figure 2)

1. Use flat blade screwdriver insert into the two slots to pry off front cover from back plate (see Figure 1).
2. Remove appropriate knockout in back plate and mount back plate to J-box.
3. Knockout the center of back plate to feed wires through the hole.
4. Secure back plate to J-box.
5. Connect the fixture wires to the power supply wires using the wire nuts provided. Connect the white wire to neutral, If using 120V, connect the black wire to the hot lead. If using 277V, connect the orange wire to the hot lead. Cap the unused lead. Place the wires into the J-box. (Refer to Wiring diagram below).
6. Plug battery male connector into battery female connector on PCBA (see Figure 5).
7. Snap the front cover on the back plate.
8. Restore power and press test button. LED heads will turn on.

WALL MOUNT - TOP POWER FEED (see Figure 3)

1. Open front cover and remove top knockout on the top flange of fixture.
2. Secure flexible conduit (only use flexible conduit) to knockout and feed wires.
3. Remove appropriate knockout on back plate and mount to wall.
4. Refer to above 5 - 8 steps in Wall Mount-Back Power Feed.

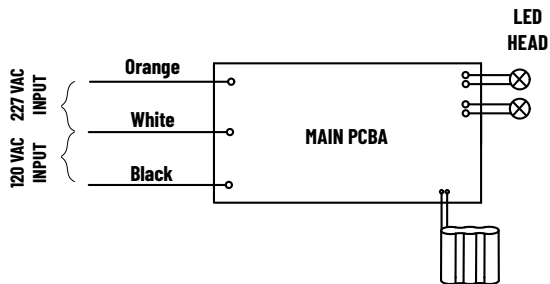
CEILING MOUNT - BACK POWER FEED (see Figure 4)

1. Refer to above Wall mount-Back Power Feed instruction.
2. Mount back plate on the ceiling surface. Feed building AC supply wire through back plate then connect to fixture power supply wires using wire nuts provided.

MOUNTING HEIGHT

Max. mounting height - 7.5ft

Wiring Diagram



Battery and Remote wire connection

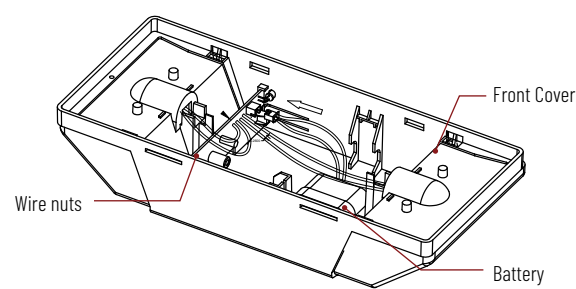


Figure 1

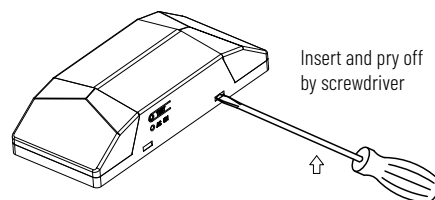


Figure 2

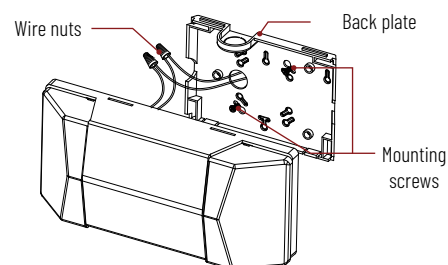


Figure 3

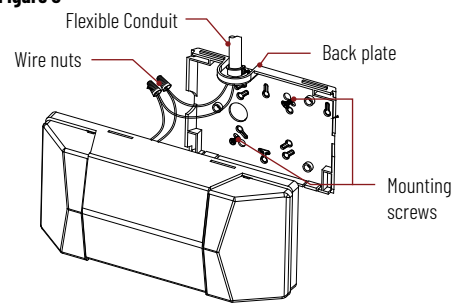


Figure 4

