

KT-EM-STNC1-WHWL-SU-XX

EMERGENCY LIGHT

INSTALLATION INSTRUCTIONS

PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before you install and use the fixture.

SAFETY AND ELECTRICAL PARAMETERS

WARNING:

- FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN DEATH, SERIOUS INJURY OR SIGNIFICANT PROPERTY DAMAGE. For your protection, read and follow these warnings and instructions carefully before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations.
- RISK OF ELECTRIC SHOCK – NEVER CONNECT TO, DISCONNECT FROM, OR SERVICE WHILE EQUIPMENT IS ENERGIZED.
- RISK OF FIRE. Lamps are hot. Keep combustible material away from hot parts. Observe warnings, recommendations and restrictions on lamp operation and maintenance. Make sure lamps are correctly installed.

CAUTION:

- The battery in this unit may not be fully charged. After electricity is connected to unit, let battery charge for at least 24 hours, then normal operation of this unit should take effect.

IMPORTANT SAFEGUARDS:

When using electrical equipment, basic safety precautions should always be followed, including:

- Do not use outdoors. Suitable for use in 32°F–104°F (0°C–40°C) indoor damp locations.
- Consult local building code for approved wiring and installation.
- Disconnect AC power before servicing and installation.
- Do not mount near gas or electric heaters.
- Do not use this equipment for anything other than its intended use.
- The use of accessory equipment not recommended by the manufacturer will void product listing and warranty and may cause an unsafe condition.
- Any service on this equipment should be performed by qualified personnel only.
- Equipment should be mounted in locations and at heights where it will not be subject to tampering by unauthorized personnel.
- Use caution when servicing batteries.
- Cap unused wires with enclosed wire nuts or other approved method.
- Make sure wire terminations are secure and leads are properly tucked in appropriate wire channels.

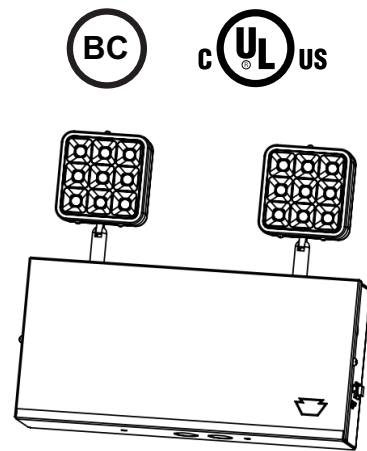
IMPORTANT CODE COMPLIANCE INFORMATION:

In accordance with NFPA 101 (current Life Safety Code), documented testing of your emergency lighting system must be tested monthly for a minimum of 30 seconds and annually for 90 minutes. Refer to your local codes for any additional requirements that may apply.

COMPONENTS INCLUDED IN KIT

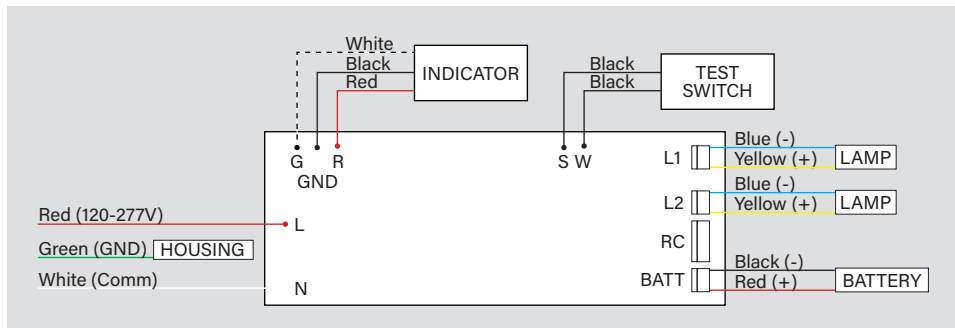
Part
1x Lighting Fixture
2x Adjustable Heads
1x Rechargeable Battery
1x Mounting Hardware & Connection Accessory Kit

Caution: Before installing, ensure that AC power to the fixture is off.
Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.



WIRING DIAGRAMS

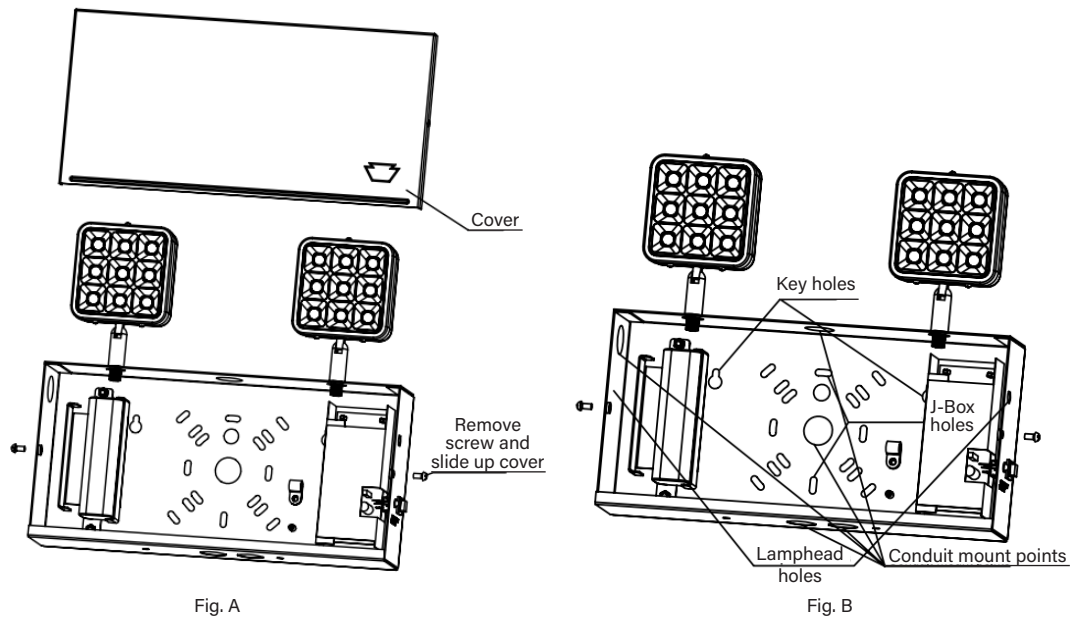
GENERAL WIRING DIAGRAM



INSTALLATION INSTRUCTIONS

MOUNTING

1. Remove the front cover by removing screws on the both sides. (See Fig. A)
2. For junction box mounting, knock out the appropriate mounting pattern and the wire pass hole in the backplate to fit the junction box being used.
3. Route fixture input wires through wire pass hole out of fixture.
4. Use code-approved connectors to make wiring connection. See Wiring Diagram. Connect the Red fixture wire to line, connect the White fixture wire to Neutral. The green Ground wire needs to be connected in accordance with the local codes. DO NOT energize the circuit at this time.
5. Push wire connections into the junction box. Mount fixture to junction box.
6. Install and connect the battery. See Wiring Diagram. Connect the Red (+) lead from the PC board assembly to the positive (+) terminal on the battery and the Black (-) lead from the PC board assembly to the negative (-) terminal on the battery. CAUTION: Observe polarity. Failure to connect the battery properly will result in equipment failure and an unsafe condition. NOTE: The Emergency lights will NOT come ON at this time.
7. Replace the unit front cover using the screws from Step 1.
8. Reconnect power to energize the unit. The charge indicator will illuminate. Allow battery to charge for 24 hours before initial testing.
9. Press "TEST" button to check operation. See OPERATION (BATTERY BACKUP) for testing procedures.
10. Adjust and focus the lighting heads as required.



CONDUIT ENTRY

1. To mount using conduit, mount the backplate to the wall in the desired location using the keyhole knockouts (See Fig. B).
2. Route the AC input conduit to the fixture and attach a conduit hub to the desired conduit mount holes on the fixture.
3. To finish installation, reference standard installation steps.

OPERATION (BATTERY BACKUP)

1. To test the equipment, press the TEST switch. The charge (LED) indicator will turn OFF and the emergency lights will illuminate..
2. Once you release the TEST switch the emergency lights will turn OFF and the charge (LED) indicator will illuminate.
3. The unit will continue charging the battery to maintain a fully charged state.

NOTE: Allow the battery to charge for a minimum of 24 hrs after installation or after a power failure before conducting a 90-minute test.

NOTE: This equipment is furnished with a sophisticated solid state transfer switch which will automatically disconnect the emergency lights from the battery if the battery has been discharged to the end of its useful output.

MAINTENANCE

CAUTION: Always turn off AC power to the fixture before servicing. Servicing should be performed only by a qualified service technician. Only manufacturer supplied or approved replacement part must be used.

1. Battery: The battery supplied with this fixture requires zero maintenance. However, it should be tested periodically and replaced when it no longer operates the connected fixtures for the complete duration of a 30-second or 90-minute test.
 2. Other: Clean lenses and replace lamps as required. NFPA 101 (Life Safety Code) required that all emergency lighting equipment be functionally tested for 30 days for a minimum of 30 seconds and tested annually for the full 90-minute duration. Written records of the testing are to be kept for examination by the authority having jurisdiction.
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TROUBLESHOOTING

1. The emergency lights DO NOT operate:
 - a) If the charge indicator light is OFF — Check that the circuit breaker and validate the AC supply voltage is present.
 - b) If the charge indicator light is Red - Check that the battery is properly connected.
2. Emergency lights are dim-implies battery might not be fully charged. Allow battery to recharge for 24 hours and then re-test.