

# NEW YORK APPROVED STEEL EMERGENCY LIGHTING UNIT

## READ AND FOLLOW ALL SAFETY INSTRUCTIONS

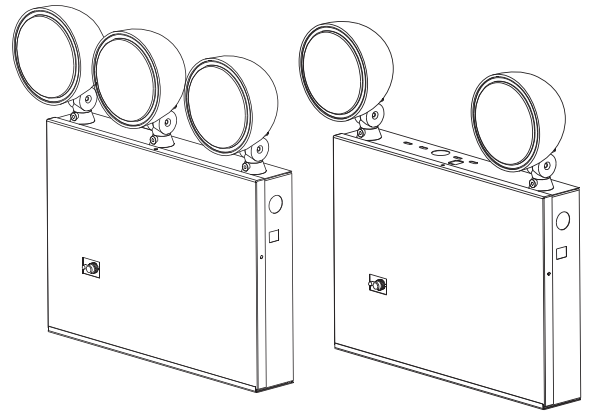
**WARNING:** FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN DEATH, SERIOUS INJURY OR SIGNIFICANT PROPERTY DAMAGE. For your protection, read and follow these warnings and instructions carefully before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations. If you do not understand these instructions or additional information is required, contact LITHONIA LIGHTING or your local LITHONIA LIGHTING distributor.

**WARNING:** RISK OF ELECTRIC SHOCK - NEVER CONNECT TO, DISCONNECT FROM, OR SERVICE WHILE EQUIPMENT IS ENERGIZED.

**WARNING:** RISK OF FIRE. Lamps are hot. Keep combustible material away from hot parts. Observe lamp manufacturer's warnings, recommendations and restrictions on lamp operation and maintenance. Make sure lamps are correctly installed.

**WARNING:** DO NOT USE ABRASIVE MATERIALS, OR OTHER SOLVENTS. USE OF THESE SUBSTANCES MAY DAMAGE FIXTURE, WHICH MAY RESULT IN PERSONAL INJURY.

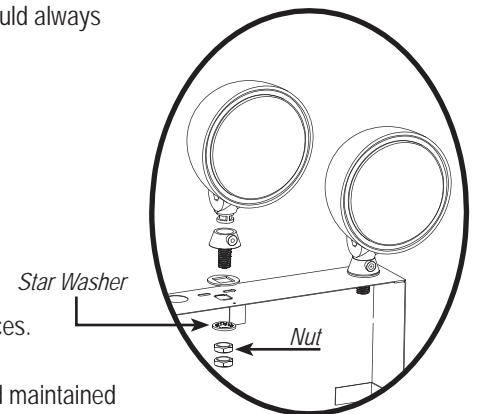
**WARNING:** RISK OF PERSONAL INJURY - This product may have sharp edges. Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing and maintaining this product.



*FIGURE: Lamp Head Installation Instruction*

**IMPORTANT SAFEGUARDS:** When using electrical equipment, basic safety precautions should always be followed, including the following:

- Before wiring to power supply, turn off electricity at fuse or circuit breaker.
- Disconnect A.C. power and unplug battery before servicing.
- Consult your local building code for approved wiring and installation.
- Do not use outdoors.
- Do not let power supply cord touch hot surfaces.
- Do not mount near gas or electric heaters.
- Do not install a damaged fixture.
- This product must be installed in accordance with the applicable installation codes and ordinances.
- Proper grounding is required to ensure personal safety. (WHERE APPLICABLE)
- All service shall be performed by qualified service personnel. This product must be installed and maintained in accordance with the applicable installation codes by a person familiar with the construction and operation of the product and the hazards involved.
- Equipment should be mounted in locations and at heights where it will not be subject to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer will void product listing and warranty and may cause an unsafe condition.
- Do not use this equipment for anything other than its intended use.
- **CAUTION:** Halogen cycle lamp(s) may be used in this fixture. To avoid shattering, do not operate lamp in excess of rated voltage. Protect lamp against abrasions and scratches and against liquids when lamp is operating. Dispose of lamps with care. Halogen lamps operate at high temperatures. Do not store or place flammable materials near lamps.



### INSTALLATION INSTRUCTIONS:

**NOTE:** Max mounting height is 8 ft to achieve at least 1 ft-candle of illuminance in emergency mode.

1. Remove the front cover.
2. Mount the equipment securely in place on the wall. Two additional KEY HOLE mounting holes are located at the top of the unit housing in addition to the J-BOX mounting holes. These two (2) additional mounting slots must be used when the unit is mounted to the wall. Additional chain support may be required by local codes. Chain hook holes are provided at each end of the enclosure.
3. Extend 24 hour AC supply of rated voltage to the equipment, which is furnished with a dual voltage (120/277V) field selectable input. Connect unit to utility power using an approved connector. For 120V supply connect the line wire to the BLACK lead and for 277V supply connect the line wire to the RED lead. Connect neutral wire to the WHITE lead. The ground wire (GREEN lead) needs to be connected in accordance with local codes. DO NOT energize the circuit at this time.

**CAUTION:** Insulate the unused BLACK or RED wire. Failure to do so may cause an unsafe condition.

4. If remote fixtures are to be connected to the equipment extend the remote circuit in accordance with Article 700 and 720 of the National Electric Code (NEC) and connect to the YELLOW and VIOLET leads coming out of the unit.  
**CAUTION:** The minimum wire size required by the NEC is 12 gauge copper or equivalent. Your installation may require larger sized wire to ensure the voltage drop DOES NOT exceed 5%. Do not exceed the total output rating of the equipment including any additional mounted heads.
5. Install and connect the battery. Refer to wiring diagram below. Connect the RED (+) lead from the PC board assembly to the positive (+) terminal on the battery and the BLUE (-) lead from the PC board assembly to the negative (-) terminal.  
**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.
6. Energize the unit with AC supply.
7. Replace the unit cover.
8. Adjust and focus the lighting heads as required.

**ELT627NY & ELT1250NY only:** These units include an additional lamp head. If required, this lamp head can be mounted in between the two existing heads on the unit. This could be done before, during or after the units installation.

1. Punch out the square mounting hole on the top of the unit.
2. Mount the head securely with the included nut (FIG. A).
3. Connect the yellow and violet wires coming from the circuit board (labeled "REMOTE WIRES") to the YELLOW and VIOLET wires on the lamp head using wire nuts or any other appropriate method.

**OPERATION:**

1. To test the equipment, depress the TEST switch. The charge (LED) indicator will turn OFF and the emergency lights will illuminate.
2. Release the TEST switch. The emergency lights will turn OFF and the charge (LED) indicator will illuminate.
3. The automatic charger will return into action, charging the battery to maintain it in a fully charged state.  
**NOTE:** Allow the battery to charge for a minimum of 24 hours after installation or after a power failure before conducting a 90 minute test (see TESTING section).  
**CAUTION:** 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.

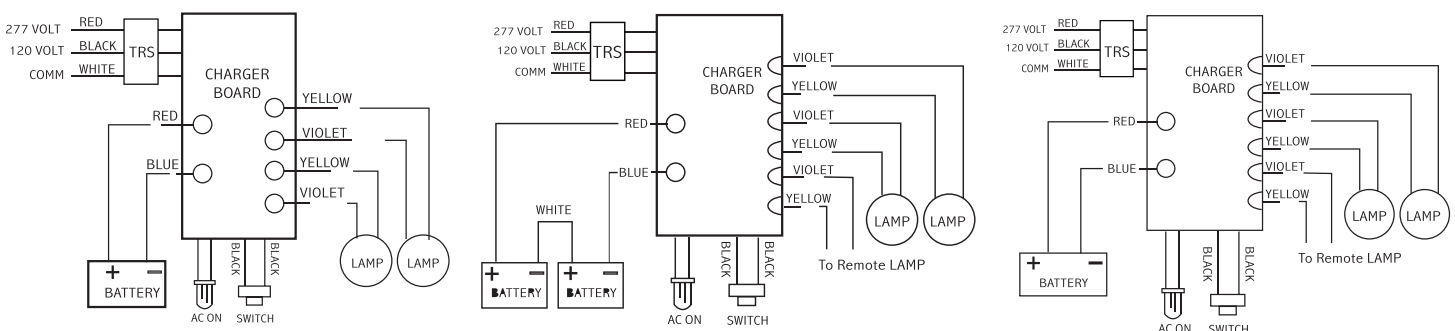
**MAINTENANCE:**

1. **BATTERY:** The battery supplied in this unit requires no maintenance. Battery must be tested per the latest edition of NFPA 101 Life Safety Code every 30 days for 30 seconds and annually for 90-minutes. Written records of the testing must be kept for examination by the authority having jurisdiction. Battery must be replaced when it no longer operates the emergency equipment for the complete duration of a 90-minute test.
2. **OTHER:** Clean lenses and replace lamps as required.

**WARRANTY Three Year:**

This three year warranty covers any defect in manufacturing, provided the defect develops under normal and proper use. This liability extends only to replacement of the replacement of the defective part. Labor charges will be honored by the factory only with prior written approval from an authorized Post Sales representative.

**WIRING DIAGRAMS:**



An **AcuityBrands** Company  
**Lithonia Emergency**  
 One Lithonia Way, Conyers GA 30012  
 Phone: 800-334-8694  
 www.lithonia.com

Part #EMCSA00745 Rev. F  
 2017.06.20