

**INSTALLATION INSTRUCTIONS
EMERGENCY BALLAST KITS
E-LNACLEB SERIES, E-LNACLEB30D**

Document:	CI308X32R4	Date	2015-01-16
Created By:	TMT	DCR#	2015-022



CAUTIONS

IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- CAUTION:** To prevent the possibility of electrical shock, do not mate unit connector of emergency ballast until installation is complete and AC power is supplied to the unit. Also, to reduce the risk of electric shock, disconnect both normal and emergency sources by turning off the AC branch circuit and by disconnecting the unit connector before installation or servicing.
- Wire in accordance with NEC or your local electrical code.
- Must be used with E-LN* or E-LP* Series Linear Fluorescent Fixtures with Emergency Series.
- The emergency ballast must be connected to an unswitched 120V or 277V power source. Do not connect to any other voltages. Cap off unused lead.
- Do not attempt to service the emergency ballast's battery. The emergency ballast uses a sealed, no-maintenance battery. Contact the manufacturer for information on replacements.
- Emergency ballast and AC ballast must be fed from the same branch circuit.
- Do not install outdoors.
- Installation and servicing should be performed by qualified personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- The emergency ballast will cold strike and operate for 90 minutes one 4' T5 or T8 lamp, including HO.
- Do not use this equipment for other than intended uses.
- Do not Mount Near gas or electric heaters.
- The E-LNACLEB30D can drive one 54W T5 or one 32W T8 fluorescent lamp, instant or rapid start.
- This product should be mounted in location and at heights where it will not readily be subject to tampering by unauthorized personnel.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

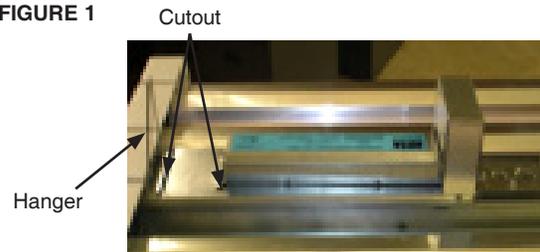
Turn off power supply to avoid the risk of electrical shock. This product must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to ensure personal safety. A qualified electrician should do all work.

NOTE: If indicator light and test switch are included with ballast kit they are not required when ballast kit is used with E-LN* or E-LP* Series Linear Fluorescent fixtures with emergency option.

INSTALLATION

- Make sure that the wireform hangers are already in place on the fixture per the fixture's installation instructions.
- Install emergency ballast by sliding the non-wiring end of ballast into cutout on top of fixture and securing the wiring end of ballast with the provided hex-head screw (included with the emergency ballast kit). (Figure 1).

FIGURE 1



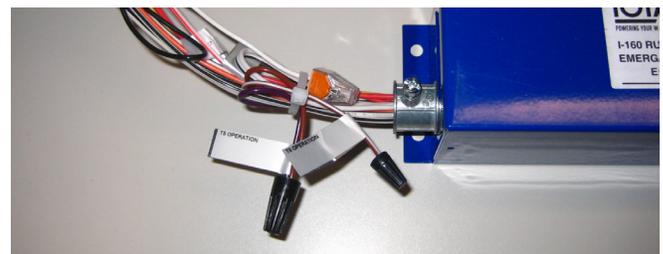
- Plug the emergency ballast connector into the fixture connector. If using the Emergency Ballast Part Number E-LNACLEB14D on a fixture with T8 lamps, the 2 Violet leads must be connected together. (Figure 2)

FIGURE 2 (E-LNACLEB14D)



- Plug the emergency ballast connector into the fixture connector. If using the Emergency Ballast Part Number E-LNACLEB30D, factory wired for T5 (brown to violet). To convert wiring from a T5 to T8 operation connect brown lead to brown/white lead. (Figure 3)
- Secure the metal cover (provided with the emergency ballast kit)

FIGURE 3 (E-LNACLEB30D)



in place over the wiring end of the emergency ballast with the provided hexhead screw (Figure 4).

- Mount fixture per fixture's installation instructions.

FIGURE 4 FIXTURE WIRING WITHOUT CORD



INSTALLATION INSTRUCTIONS EMERGENCY BALLAST KITS E-LNACLEB SERIES, E-LNACLEB30D

Document:	CI308X32R4	Date	2015-01-16
Created By:	TMT	DCR#	2015-022

- Electrical connections can be made through the 3/4" knockout on the wiring access cover located on the back of the fixture. (Figure 3).
- Remove the wiring access cover located on the top of the fixture.
- Connect incoming switched (Hot) to black lead marked "Switched".
- Connect incoming unswitched (Hot) to appropriate voltage lead –black (120V) or orange (277V) marked "Unswitched".
NOTE: The emergency ballast must be connected to an unswitched 120V or 277V power source. Do not connect to any other voltages.
- Connect incoming ground to green ground wire.
- Remove the caution tag and join the two ends of the battery connector.
- Replace the wiring access cover and secure with screw.

OPERATION

Normal Mode – A.C. power is present. The A.C. ballast operates the fluorescent lamp as intended. The emergency ballast is in the standby charging mode. The charge indicator will be lit providing a visual indication that the battery is being charged.

Emergency Mode - The A.C. power fails. The Emergency Ballast senses the A.C. power failure and automatically switches to the Emergency Mode. One or two lamps are illuminated, at reduced output, for a minimum of 90 minutes.

Initial Testing – Allow the unit to charge approximately 1 hour, then conduct a short discharge test. Allow a 24 hour charge before conducting a one hour test.

TEST AND MAINTENANCE

The emergency unit is maintenance free unit, however, periodic inspection and testing is required, NFPA 101, Life Safety Code, outlines the following schedule:

Monthly – Ensure that the charge indicator light is illuminated. Conduct a 30 second discharge test by depressing the test switch. One lamp should operate at full or reduced output.

Annually – Ensure that the charge indicator light is illuminated, conduct a full 1-1/2 hour discharge test. The unit should operate as intended for the duration of the test.

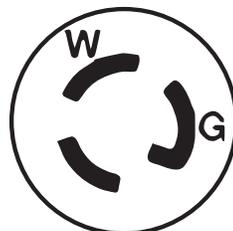
FIXTURE WIRING WITH CORD

- The cord/plug is factory-wired as indicated in (Figure 5).

FIGURE 5



X = Unswitched (Hot) Red
Y = Switched (Hot) Black
W/Z= Common (Neutral) White
G = Ground



NOTE: The 3-conductor cord/plug must be connected to an unswitched receptacle

- Connect plug to receptacle.
- Remove wiring access cover.
- Remove caution tag and join two ends of battery connector.
- Replace the wiring access cover and secure with screw.