

## INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

### LZ2NE SERIES FLUORESCENT EMRGENCY LUMINAIRES

#### ENCLOSED NON-METALLIC LUMINAIRES FOR CLASS I, DIV. 2, GROUPS A,B,C,& D, CLASS I, ZONE 2, GROUPS IIC, IIB, IIA; CLASS II, DIV. 1 & 2 GROUPS F & G AND CLASS III HAZARDOUS LOCATIONS, CLASS I, ZONE 2, Ex nA / AEx nA GROUPS IIC, IIB, AND IIA, ENCLOSURE TYPE 3, 4X; IP66

### IMPORTANT SAFEGUARDS – READ AND FOLLOW ALL SAFETY INSTRUCTIONS

**NOTE:** Read this sheet carefully before beginning installation.

- Do not use this equipment for other than the intended use as specified on equipment nameplate.
- Turn off the supplying circuit before beginning installations, or performing any maintenance including relamping.
- Do not install near gas or electric heaters.
- Do not attempt to service the battery. The emergency ballast contains a sealed, no maintenance battery. Contact manufacturer for information on replacements.
- Batteries must be recycled or disposed of properly.
- Qualified service personnel must perform servicing.
- The emergency ballast is for use with linear lamps.
- Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.

**IMPORTANT:** Before installing, check luminaire nameplate to be sure you have the correct product. Refer to luminaire nameplate for specific supply wire temperature rating

**WARNING:** Turn **OFF** supplying circuit before starting installation.

**NOTE:** All installation must be in compliance with applicable national and/or local electrical codes.

#### **DIRECTION OF INSTALLATION:**

1. Securely install Luminaire per IOM Form K1273.
2. Insert a tool into one of the slots in the clamping bar with the end of the tool located into the outer flange of the body as a fulcrum point. A wide blade screwdriver is recommended. Gently lever the tool away from the diffuser. The clamping bar will begin to open.
3. Carefully swing the diffuser down and allow it to be suspended from the hinge latches.
4. Back out four screws, approximately 8 turns, slide reflector plate over screws and gently lower plate until supported by tray cables.
5. Pull the supply wires into housing through the conduit hub and connect the appropriate ballast leads using the wire nuts. Connect the ground wire to the terminals provided in the ground plate, which is attached to the hub inside the housing.



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**Warning:** To prevent high voltage from being present on red and yellow emergency ballast output leads prior to installation, battery connector must be open. Do not join battery connector until installation is complete and AC power is supplied to the emergency ballast.

6. Reinstall the reflector plate, sliding it so that the keyway slots are in secured position; then tighten the four screws.
7. Install proper lamp securely, as noted in the nameplate.
8. Reinstall the diffuser by swinging it up slowly and pushing the clamping bar back in place. It locks with the housing
9. Maintain the proper alignment of diffuser and housing.
10. Turn **ON** the desired supplying circuit and test fixture.  
NOTE: For push to test station installation use Killark control Station number FXCS-5B2 (W/ push to test nameplate) or equivalent. Refer to fig.1/Note for typical wiring diagram for guidance.



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## OPERATIONAL DATA

This fixture is to be operated only at the voltage specified on the fixture nameplate, and only with lamps of the specific type and wattage as shown on the nameplate.

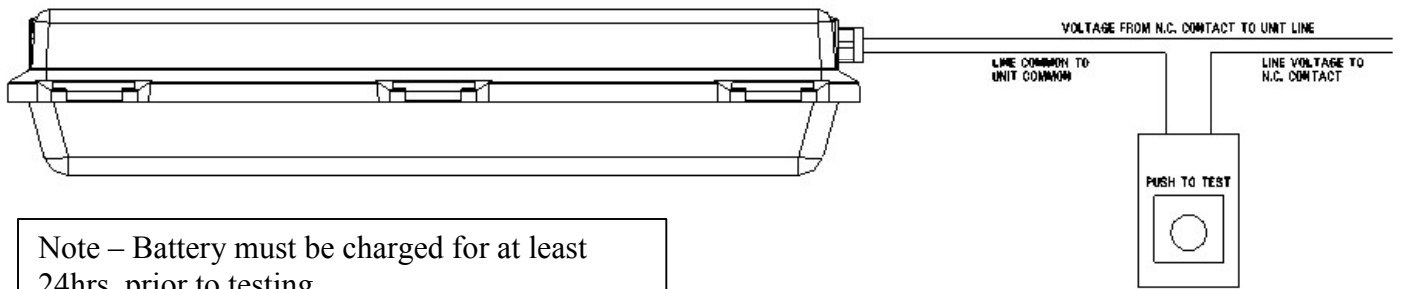
When AC power is applied, the charging indicator light is illuminated, indicating that the battery is being charged. When power fails, the emergency ballast automatically provides at least 90 minutes (1.50 Hours) of emergency illumination.

## MAINTENANCE DATA

**CAUTION:** Turn **OFF** and lock out the supplying circuit before opening the fixture or the ballast chambers, or performing any maintenance duties on the fixture.

As a routine maintenance, this emergency luminaire should be checked periodically to ensure proper operation. The following schedule is recommended.

1. Visually inspect the charging indicator light monthly. It must be illuminated.
2. Test operation of the circuit at 30 day intervals for a minimum of 30 seconds. The lamp should operate.
3. Conduct a 90 minute discharge test once a year. The lamp should operate for 90 minutes minimum.



Note – Battery must be charged for at least 24hrs. prior to testing.

FIG. 1

**RELAMPING:** To re lamp this luminaire, follow Steps 2, 3, 7, 8, 9, and 10 under “Directions for Installation” on the front of this sheet.

Technical information, advice and recommendations contained in these documents is based upon information that Killark believes to be reliable. All the information and advice contained in these documents is intended for use only by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used, its storage, delivery, installation, check out, safe operation and maintenance.

Since conditions of use of the product are outside of the care, custody and control of Killark, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.

**REMEMBER TO SAVE ONE OF THESE SHEETS FOR MAINTENANCE PERSONNEL**

**MAINTENANCE MANAGER: Please record the following information for your records:**

**Complete Catalog No.** \_\_\_\_\_  
 (As shown on Nameplate)

**Installed By:** \_\_\_\_\_

**Date of Installation:** \_\_\_\_\_