

SURE-LITES

Installation Instructions - ELX Series L.E.D. Edge Lit Exit Signs For AC and Self Powered, Rough-In Housings, Power Trays and Trim Sections

IMPORTANT SAFEGUARDS

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED INCLUDING THE FOLLOWING:

1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**
2. Do not use outdoors.
3. Do not let power supply cords touch hot surfaces.
4. Do not mount near gas or electric heaters.
5. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
6. The use of accessory equipment not recommended by Sure-Lites may cause an unsafe condition.
7. Do not use this equipment for other than its intended purpose.
8. Disconnect power when installing or servicing this equipment.
9. **SAVE THESE INSTRUCTIONS.**

HOUSING INSTALLATION, CEILING, WALL AND END MOUNT

Step 1. Remove appropriate side or back knock-out in housing.

Step 2. Affix bar hanger assembly to housing. Bar hangers are adjustable from 14" to 24". If desired brackets may be placed on short sides of the housing.

Step 3. Extend bar hangers to fit between joists. (Figure 1) Position fixture temporarily by hammering nail-in tabs into studs. Secure permanently into studs with appropriate fastener (not included).

Step 4. Adjust fixture for suitable ceiling or wall thickness by loosening hex screws inside of housing. Position the edge of the housing to be level with the ceiling or wall line. Tighten hex screws to lock fixture in position.

Step 5. Extend unswitched 24 hour AC supply of rated voltage to EXIT housing. Circuit should not be energized at this time.

Step 6. Connect power supply and ground in accordance with local codes. Wire connections as follows: 277V line to Orange lead; 120V line to Black lead; Neutral to white lead. Ground to green lead; Cap unused line lead.

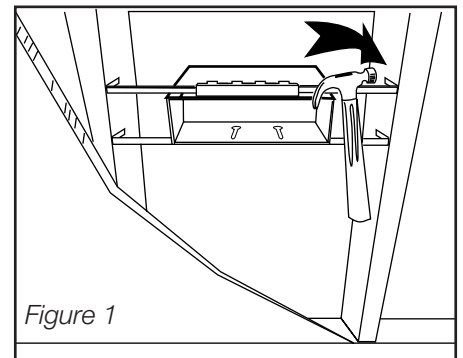


Figure 1

POWER TRAY INSTALLATION, CEILING, WALL AND END MOUNT

CAUTION: Check your correlation labels before making any connections. ELE-6XX & ELE-7XX LED series power trays are intended for use with UH-LED series housings and TC-6XX, TC-7XX, TW-6XX, TW-7XX, TE-6XX, & TE-7XX-LED series trims only.

Step 1. Plug nine position connector into corresponding connector in housing (Figure 2), install power tray and tighten mounting screw. Proceed with Trim Installation.

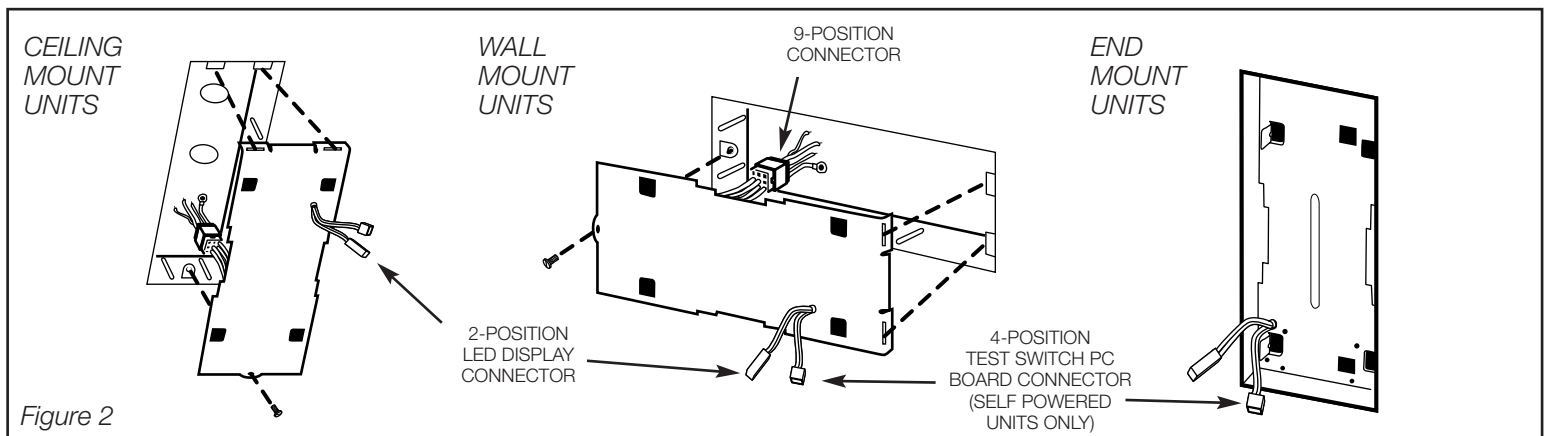


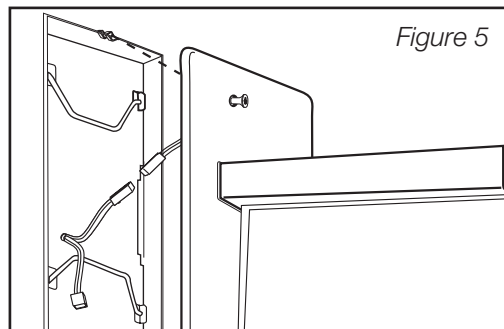
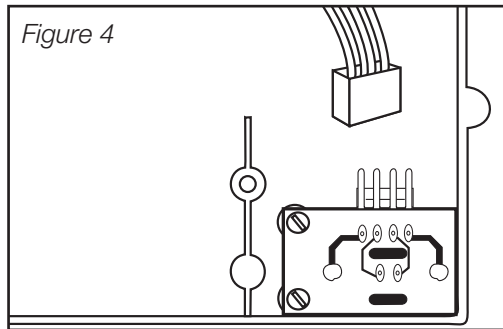
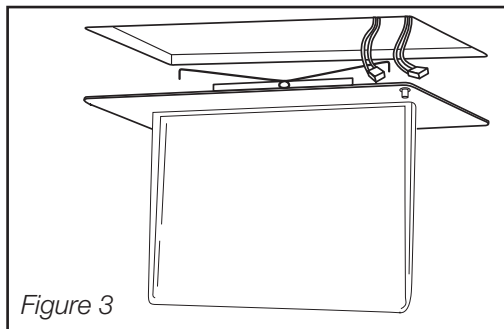
Figure 2

SURE-LITES

TRIM INSTALLATION, CEILING, WALL AND END MOUNT

CAUTION: Check your correlation labels before making any connections. TC-6XX, TC-7XX, TW-6XX, TW-7XX, TE-6XX, & TE-7XX LED series trims are intended for use with UH-LED series housings and ELE-6XX & ELE-7XX LED series power trays only.

- Step 1.** Suspend trim from housing, squeeze torsion springs together and place in tabs located in long sides of housing. (See Figure 3)
- Step 2.** Connect LED Display with corresponding two position connector from power tray. **Self-Powered Units Only** - Plug four position connector into Test Switch P.C. Board assembly mounted to face plate casting. (See Figure 4)
- Step 3.** Gently push trim up to wall or ceiling. **End Mount Units Only** - Secure face plate casting to housing by tightening mounting screw located at top of face plate. (See Figure 5)



EXIT PANEL INSTALLATION, WALL AND END MOUNT ONLY

- Step 1.** Prior to Trim installation remove one End Cap from trim assembly. (See Fig. 6)
- Step 2.** Remove lens from foam envelope and slide into extrusion. Be sure to note chevron orientation as required.
- Step 3.** Replace End Cap.

OPERATION:

NOTE: On self powered units, allow the batteries to charge for at least 48 continuous hours before discharging or using the test button.

Standard Units

- Step 1.** To test the standard self powered units, depress the test switch. The indicator LED will turn off. The sign will switch to battery power while the button is depressed.
- Step 2.** After the test button is released, the LED display will resume operation from the AC power supply, and the indicator LED will turn on.

Self Diagnostic Units

- Step 1.** To test self diagnostic units, momentarily depress the test switch. The indicator LED will turn off. The unit will switch the sign to battery power for 15 seconds.
- Step 2.** After the test, the LED display will resume operation from the AC power supply, and the indicator LED will turn on, while the unit analyzes itself. Allow the unit several minutes to complete its diagnosis.

CAUTION: Allow 48 hour recharge time after installation or power failure for full load testing.

MAINTENANCE:

NOTE: SERVICE OF ANY PARTS SHOULD BE PERFORMED BY QUALIFIED SERVICE PERSONNEL.

- Step 1.** For replacement parts see fixture label for proper identification of catalog number.
- Step 2.** Replace batteries every 8 to 10 years according to ambient. Equipment should be tested regularly in accordance with local codes.
- Step 3.** CARE OF LENSES: Wash with mild glass cleaner and soft lint free cloth to remove dust or finger prints. Foam type, anti-static, anti-fog cleaner and non-abrasive, lint free wipes are recommended.

TROUBLESHOOTING GUIDE:

LED DISPLAY DOES REMAIN ON IN EMERGENCY MODE-TEST SWITCH PILOT LIGHT OUT BEFORE TEST

- Step 1.** Check AC supply - verify unit has unswitched 24 hour AC supply.
- Step 2.** Pilot light on- LED DISPLAY does not light. Unit is shorted or battery is not connected.
- Step 3.** Battery discharged - permit unit to charge for 24 hours, and then retest. If LED DISPLAY is still off, check charger for charge function. If functioning properly replace battery.

If following the above trouble shooting hints does not solve your problem, contact your local Sure-Lites representative or the factory for assistance.

These instructions do not claim to cover all details or variations in the equipment, procedure or process described, nor to provide directions for meeting every possible contingency during installation, operation or maintenance. When additional information is desired to satisfy a problem not covered sufficiently for users purpose, please contact your Cooper Lighting Solutions representative.

