

# LIGHTING & ELECTRONICS, INC.

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## 65 Series Borders & Cycs Safety & Instruction Sheet

**WARNING! Disconnect fixture before any service is performed. Never open the fixture while it is still plugged in. Stage lights get very hot! Do not touch any fixture to any person or material without proper protection.**

**NOTICE!** The fixtures may emit some degree of smoke when they are first energized. This is normal, and the duration and the amount of smoke is dependent upon the wattage of the lamp used. After the initial "burn in" period, the fixtures will no longer smoke.

### Lamp Replacement:

1. **WARNING!** Unplug the fixture. Allow it to cool down enough to safely handle.
2. During the process care should be taken not to break the glass portion of the lamp.

**BR40 and PAR16 Borders:** A lamp is removed from the front by rotating it counterclockwise until it is free from the socket.

**Mini-Strips:** the lamps are removed by opening the lamp access door, pushing the lamp eject lever back and lifting the lamp out of the socket. **WARNING! Disconnect fixture BEFORE relamping. To relamp, press the lamp contacts firmly into the lamp holder contacts while ensuring the front of the lamp is engaged in the wire lamp guide. Installing a lamp while the circuit is energized will cause an arc to occur at the point where the socket contact and the lamp pin meet. This WILL result in eventual socket failure and shortened lamplife. CAUTION! Lamps must be seated properly in the socket before use. Ensure that the lamp contacts are seated firmly in the bottom of the socket and that the lamp base is parallel to the horizontal plane of the fixture. Poorly seated lamps WILL result in eventual socket failure and shortened lamplife. NOTICE! Do not mix different wattage lamps in the same circuit - the lamps will fail and the lamp holders will be damaged!**

**Nano-Strips:** the lamps are removed by opening the lamp access door, while supporting the socket base with one hand, pull the lamp out of the socket. **WARNING! Disconnect fixture BEFORE relamping. Installing a lamp while the circuit is energized will cause an arc to occur at the point where the socket contact and the lamp pin meet. This WILL result in eventual socket failure and shortened lamplife. CAUTION! Lamps must be seated properly in the socket before use. Poorly seated lamps WILL result in eventual socket failure and shortened lamplife. NOTICE! Do not mix different wattage lamps in the same circuit - the lamps will fail.**

**Cycs and Borders using double-ended lamps:** the lamp is removed by pressing one end into the spring-loaded socket and tipping the other end out of the opposite socket. If a shatter guard is installed it must be removed prior to relamping.

3. Insert a new lamp and reverse the process.

### Lamp Style Adjustment (Broad Cyc and ECHO):

You can change between using the 4-11/16" FHM series lamp and the 6-9/16" FFT series lamp.

1. Remove any lamp already installed.
2. Loosen the four screws on the back of the unit and move them toward the outside of the unit for the FFT series lamp, or toward the center of the fixture for the FHM series lamp.
3. Tighten the screws before installing a new lamp.

### Beam Focusing (Mini-Strip & Nano-Strip): *(if gels burn too quickly)*

**WARNING!** Be sure the unit is not too hot to touch. Protective gloves may be needed if the unit has been on for some time.

1. **WARNING!** Unplug the fixture. No service should be performed with power to the fixture.
2. Open the lamp access doors.
3. Loosen the screws (2 each) holding the socket bars in place and slide the bars forward or back, moving the focal point of the lamp off the gel plane.

### Special Note for Feed Through Plugs & Connectors:

The pigtailed on one end of the striplight *must* have male UL listed, grounding type plugs installed - they are then used as the feed tails. The pigtailed on the other end of the strip (if present) are feed through and *must* have female UL listed, grounding type connectors. The internal and external wiring of L&E borders with feed-through capability are rated for 20 Amps maximum. **WARNING!** The plugs and connectors used *must* be rated to carry the maximum current of the intended circuit -- without exceeding the maximum fixture rating.

