

Soraa Recessed Ambient Luminaires Safety, Installation, and Maintenance Instructions

READ AND FOLLOW ALL SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

IMPORTANT SAFEGUARDS

- a) Maximum mounting height: 11 feet.
- b) Do not mount near gas or electric heaters.
- c) Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- d) The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- e) Do not use this equipment for other than intended use.
- f) All servicing of equipment should be performed by qualified personnel.

WARNING

Risk of fire, electrical shock, cuts and other casualty hazards. This product must be installed in accordance with the applicable installation code by a qualified electrician or a person familiar with the construction and operation of the product and the hazards involved. Soraa Inc. assumes no responsibility for claims brought about by improper or careless installation or handling of this product.

ATTENTION

Receiving Department: Note actual luminaire description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packing must be retained.

CAUTION

Edges on metal parts of luminaire may cut, handle with care.

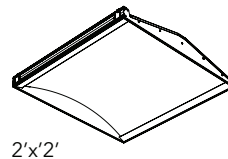
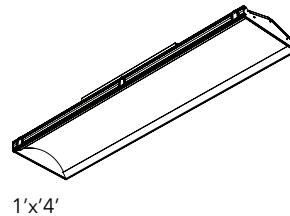
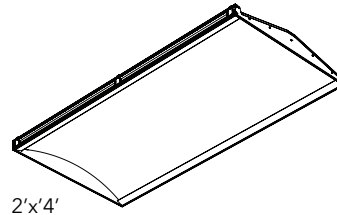
Risk of burn. Disconnect power and allow luminaire to cool before handling luminaire.

Risk of Fire and Electric Shock. If not qualified, consult an electrician. The light source contained in this luminaire is an integral part of the luminaire. It shall only be replaced by the manufacturer or manufacturer's service agent.

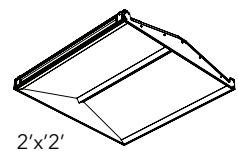
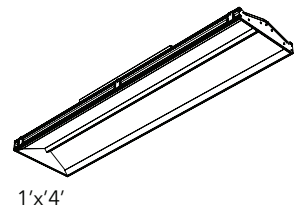
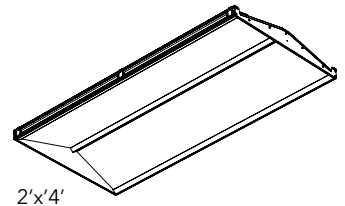
NOTICE

If supply wires are located within 3 inches of power supply, use wire rated for at least 90°C (194°F).

Soraa Barrel



Soraa Gable



IMPORTANT:

**DO NOT REMOVE PROTECTIVE
COVERING UNTIL FIXTURE IS
FULLY INSTALLED.**

**MOUNTING TABS MUST BE USED
IN ORDER TO SAFELY MOUNT
FIXTURE TO T-BAR.**

IMPORTANT: DO NOT REMOVE PROTECTIVE COVERING UNTIL FIXTURE IS FULLY INSTALLED. MOUNTING TABS MUST BE USED TO SAFELY MOUNT FIXTURE TO T-BAR.

Step 1. Lay box flat, oriented with "THIS SIDE UP" markings facing up so that the top panel of the carton can be folded back and luminaire can be lifted straight up out of box. Lift luminaire only from two opposite sides, not by one end. Handle luminaire only by aluminum side rails. Wear clean work gloves to prevent dirt, oil or fingerprints from being transferred to the luminaire surface. Keep the protective plastic insert installed in the luminaire in during installation to protect the waveguide (Fig. 1). Caution: when handling the luminaire do not scratch or damage the waveguide.

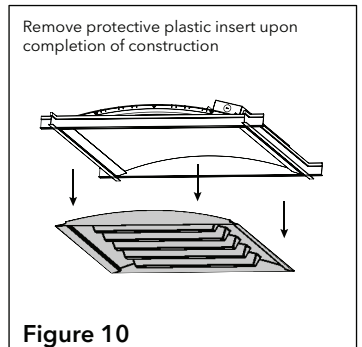
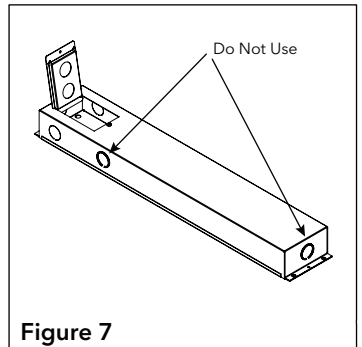
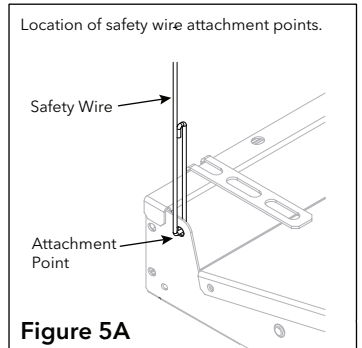
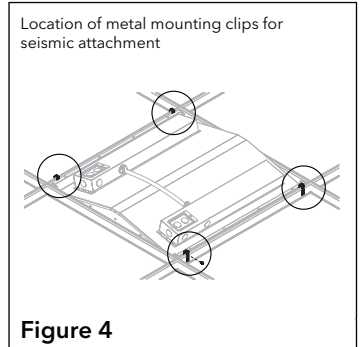
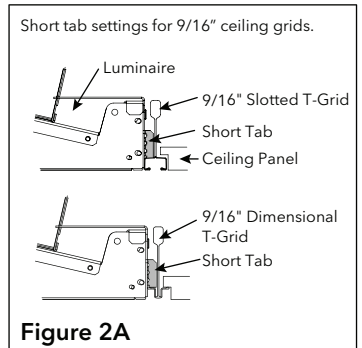
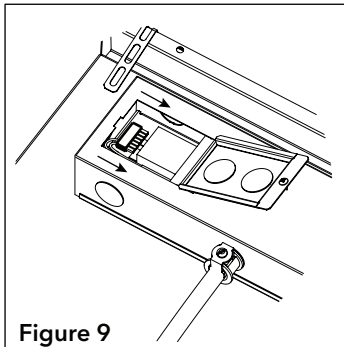
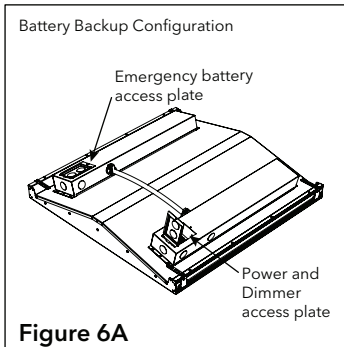
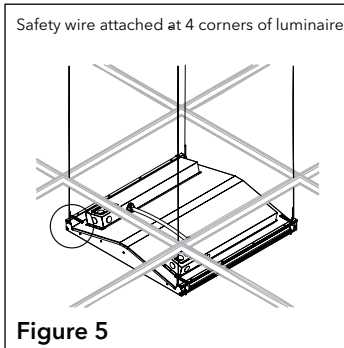
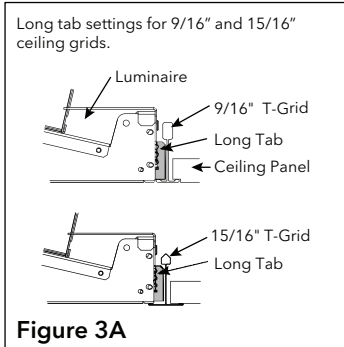
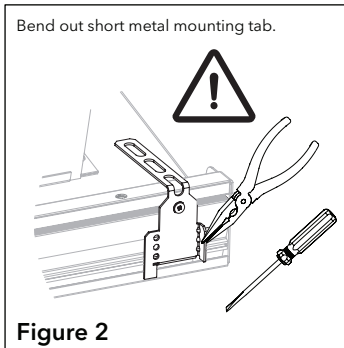
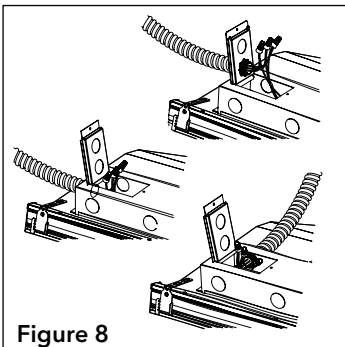
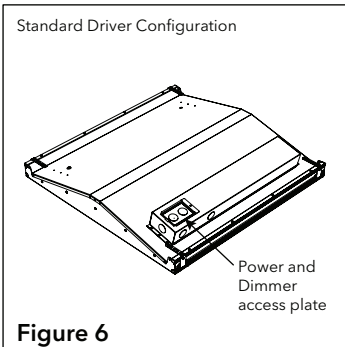
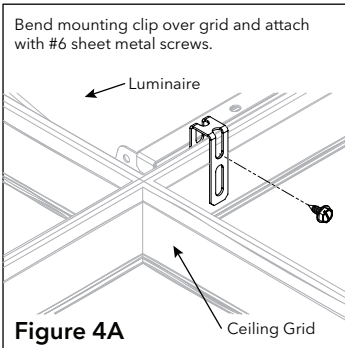
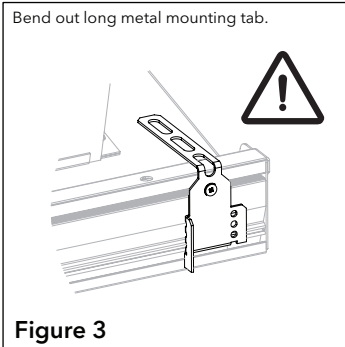
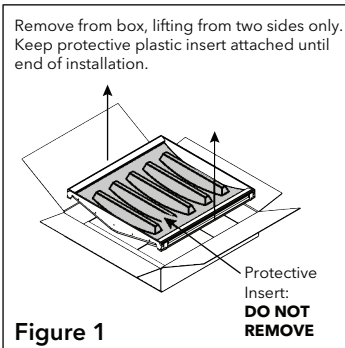
Step 2. To configure luminaire to sit lower and flush with 9/16" ceiling grids, bend out short metal mounting tab, using flat head screwdriver or pliers (Fig. 2). To configure luminaire to sit higher in ceiling grids, bend out long metal mounting tab (Fig. 3).

Step 3. Ensure that all luminaires in an area are oriented in the same direction. If required by local code, mounting clips can be bent over grid and attached with #6 sheet metal screws (by others), or luminaire can be secured with safety wire by anchoring to the ceiling or through the T-grid ceiling system (Figs. 4-5A).

Step 4. For electrical connection to power and dimming, locate power and dimming access plate (Fig. 6). Remove screw and open access plate. Break away knockout- do not use knockouts located away from access plate (Fig. 7). Install conduit (by others). Install additional conduit for dimming if required. Make all necessary electrical connections per wiring diagrams. Note alternate locations of conduit connection to power box (Fig. 8).

Step 5. Luminaires equipped with battery backup are shipped with battery disconnected. Ensure that luminaire is powered before connecting battery. Locate emergency battery access plate (Fig. 6A). Remove screw and slide access plate to the side. Connect black 7-pin battery connector to emergency driver (Fig. 9).

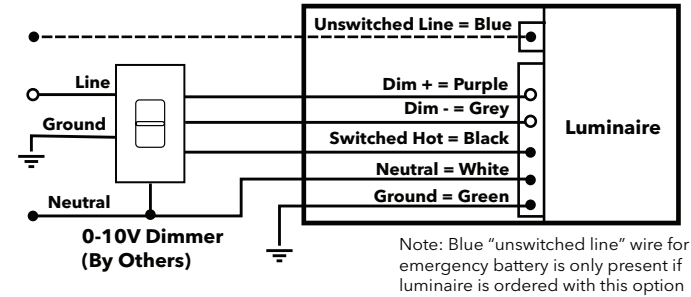
Step 6. The luminaire is shipped with a protective plastic insert that is intended to stay in the luminaire during building construction to keep dust and dirt from accumulating on the luminaire. Once all building construction and cleanup is completed, the plastic insert should be removed and recycled (Fig. 10).



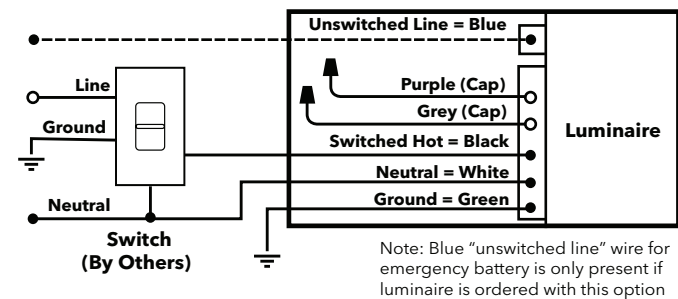
Wiring Diagrams

Maintenance and Cleaning Instructions

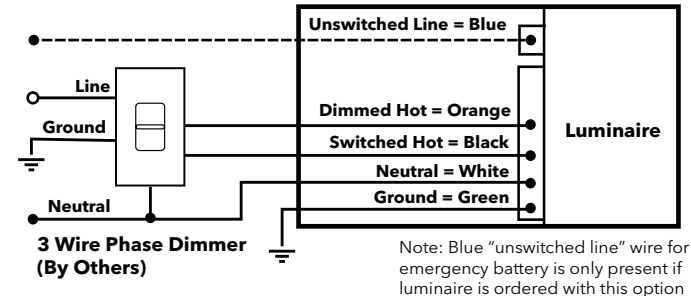
Wiring Diagram 1: 0-10V Dimming



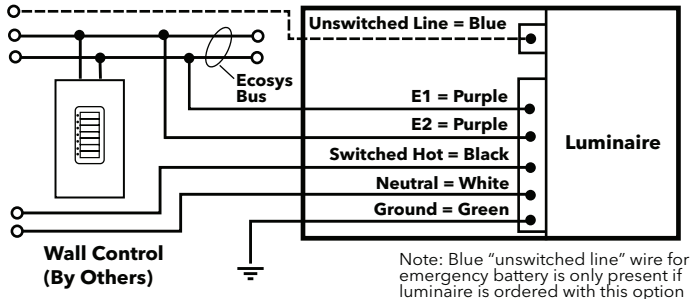
Wiring Diagram 2: No Dimming



Wiring Diagram 3: 3 Wire Phase Dimming



Wiring Diagram 4: Lutron Ecosystem Dimming



Luminaire Maintenance and Cleaning

Always follow recommended cleaning and handling procedures when cleaning the waveguide lens. It can be permanently damaged if cleaned or handled improperly. Before cleaning the waveguide, take time to inspect the surfaces carefully in order to determine the type and severity of the contaminants. The process of cleaning the waveguide can result in damage to the optical surface if repeated multiple times. For waveguides with multiple contaminants, the order with which they are removed can be important. For instance, if a waveguide is contaminated with oil and dust, it is possible that wiping the oil off first will scratch the waveguide as the dust will scratch the surface as it is swiped across the surface.

Blowing off the Waveguide Surface

Remove dust and other loose contaminants from the waveguide surface by blowing off with compressed air before using any other cleaning technique. Blowing compressed air over the entire waveguide is recommended to prevent static buildup, and because it is a non-contact and solvent-free method of cleaning, it should always be employed first.

When using compressed air, hold the can upright throughout the process. Start the flow of air with the nozzle pointed away from the waveguide. Hold the can approximately 6" from the waveguide and use short bursts. Move the nozzle of the compressed air can over the waveguide with the nozzle at a grazing angle to the optical surface in a constant one-way direction.

Additional Cleaning Methods

Fingerprints and large dust particles that remain after blowing off the waveguide surface with compressed air can be removed by gently wiping the surface with a clean microfiber cloth.

If additional cleaning is required, a mild solution of distilled water and Dawn™ dish soap (use 1:20 to 1:10 parts Dawn to distilled water). The waveguide should not remain wet any longer than necessary to remove the contaminants. Dry the surface with deionized air. Avoid pooling of water - this will leave streaks on the waveguide. This method is only recommended as a last resort as it increases the risk of damaging the waveguide.

Avoid any organic solvents and cleaning products including ammonia, ketones, window cleaners, or other alcohol based cleaners and solvents containing thinners, acetone, benzene and tetrachloride.