



INSTALLATION INSTRUCTIONS

Lunera™ 6400 Series 6.7"x4' Pendant

Listings:
UL, ETL, CETL, FCC



WARNINGS AND IMPORTANT SAFEGUARDS



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

**** Read and Follow All Safety Instructions.**

** Save all instructions. Distribute/Notify all installers of warning and safety instructions.

** Do not use this equipment for other than the intended use. Fixture is intended for indoor installation only.

** Install only in accordance with National Electrical Code (NEC) and local electrical codes.

** Installation and servicing must be performed by qualified personnel.

** **High Voltage** is present at the power supply. To avoid shock or fire, disconnect power at service panel prior to installation or maintenance.

** Ground fixture and power supply to avoid potential electrical shock and ensure proper system operation.

** AC power source is required. See fixture label for power requirements.

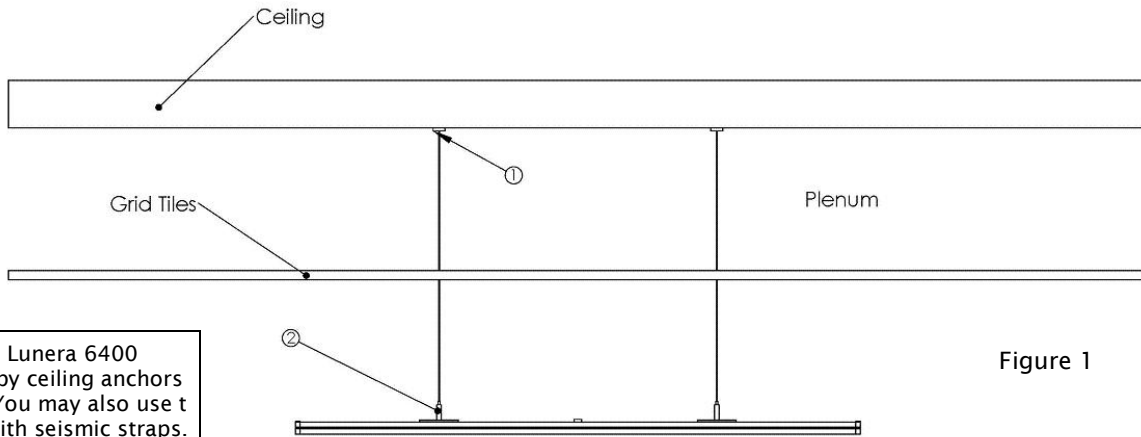
** Connect only to power source with specified voltage and frequency.

** Connect Power Supply to Load (Fixture) using the plenum rate cable before applying power.



IMPORTANT: use rubber or latex gloves when handling fixtures to prevent dirt and oil from hands being transferred to fixture or diffuser.

FIXTURE MOUNTING INSTRUCTIONS



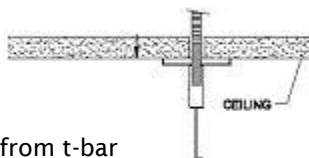
Suspended Mount - Lunera 6400 pendant supported by ceiling anchors and aviation cable. You may also use t-bar hanging clips with seismic straps.

In Figure 1 find items (1) (2). The ceiling anchors (1) must be installed prior to attaching fixture. Securely attach anchors to ceiling (see diagram below) according to all local building codes. Install aviation cable to ceiling anchor and suspend line down to fixture. Screw in Side Exit Cable Gripper (2) to mounting plates on top fixture, it is best to do this prior to hanging or suspending fixture. Feed cable from top of fixture exit point should be attached to support cable and placed through the feed canopy to the power supply unit using white grommets provided. Once fixture is securely suspended use the cable grippers to adjust height and level.

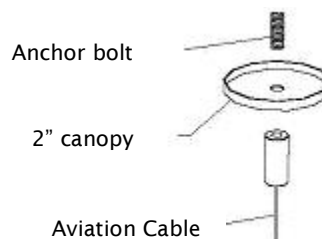
Aviation cable, other support wire, and plenum anchors to be provided by a licensed contractor.

Item 1 - Ceiling Anchor Diagram

Step 1 - Install Anchor



Step 2 - Install Aviation Cable



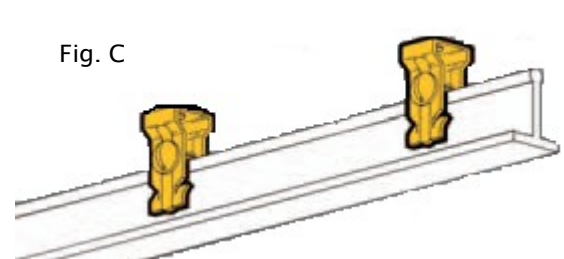
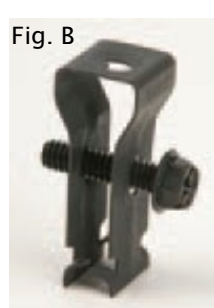
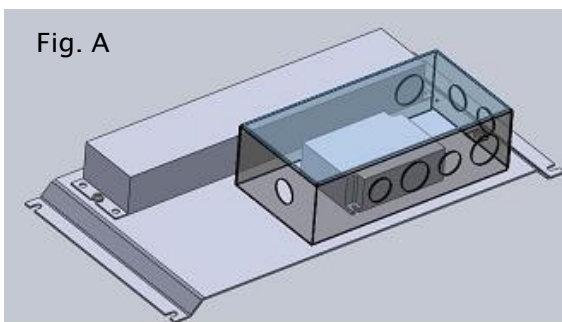
NOTE: if suspending from t-bar grid use provided t-bar clips with anchor bolt and secure with seismic straps.

POWER SUPPLY MOUNTING PLATE INSTRUCTIONS—OPTION #1 (STANDARD T-GRID CEILING):

Note: Power Supply must be connected to load (fixture) before applying power.

Connect the Power Supply Enclosure & Battery Backup mounting plate (Fig. A) to the t-bar grid prior to hanging fixture NOTE: some applications will not have battery backup. It is best to attach the mounting plate one (1) tile away from the fixture mounting location so tiles can be positioned / replaced easily after install of fixture and mounting plate.

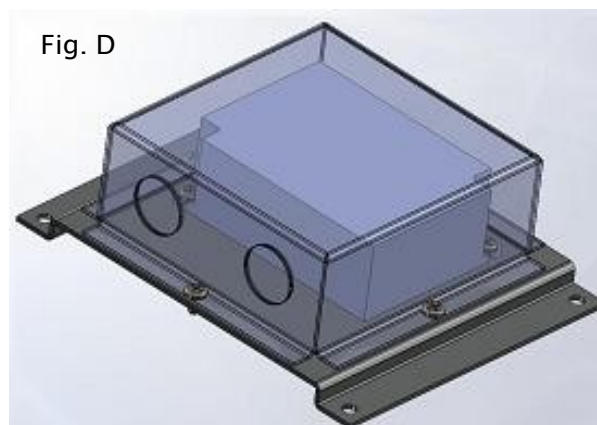
Attach the t-bar clips (Fig. B) to four corners of the Power Supply Enclosure & Battery Backup mounting plate (Fig. A) using 3/8" long 1/4"-20 screws to top of the t-bar clip. Attach Power Supply Enclosure & Battery Backup mounting plate (Fig. A) to t-bar as shown (without mounting plate) in Fig. C. Make all electrical connections (instructions below) once mounting plate has been secured to t-bar. Be sure to attach seismic wires to a secure location in accordance with local codes.



POWER SUPPLY MOUNTING PLATE INSTRUCTIONS—OPTION #2 (REMOTE MOUNT/ OPEN BAY CEILING / BEAMS / STUDS):

Note: Power Supply must be connected to load (fixture) before applying power.

Connect the Power Supply Enclosure remote mounting plate (Fig. D) prior to hanging fixture. Secure the mounting plate to a solid structure using appropriate screws or bolts so plate is securely attached in accordance with all local codes. There are four holes at the corners of the plate for mounting purposes. Once the mounting plate is securely attached you may begin electrical connections according to the instructions on Page 3.



Prior to completing installation please check that all connections are secure and meet all local and National Electrical Codes (NEC). After installation is complete be sure to test all functions and meter test the lines for proper voltage.

ELECTRICAL INSTRUCTIONS:

Note: Power Supply must be connected to load (fixture) before applying power.

For Conduit to Power Supply Enclosure and PSU (Fig. A and Fig. 2 - left):

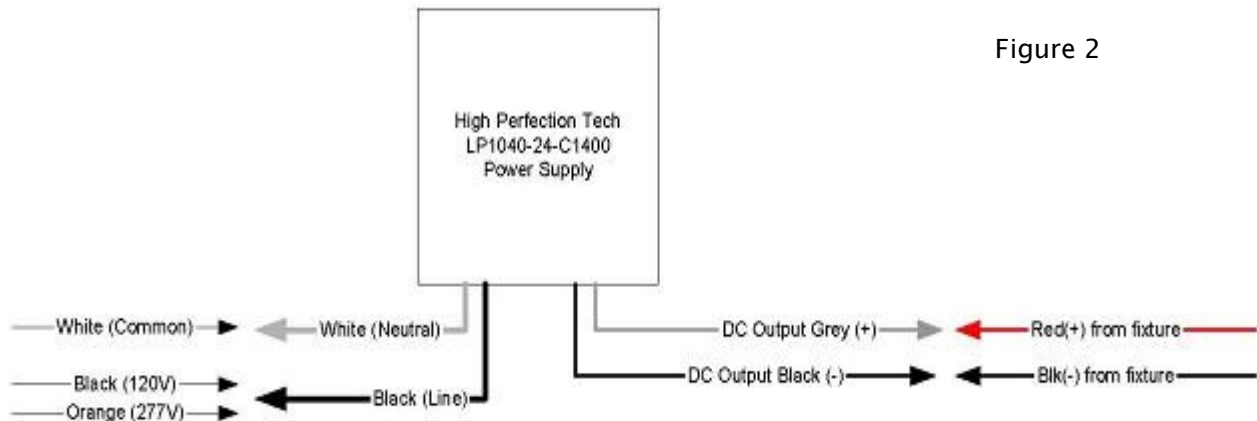
1. Attach conduit with cable to side plate of PSU Enclosure (Fig. A or Fig. D). Conduit and cable provided by Contractor/Electrician.
2. All connections must be made according to all local and national electrical codes.
3. Conduit in to PSU (Fig. 2 - left): green (ground) to mounting plate, white (neutral) to white (neutral), black (line) to black (line) for 120V and orange (line) to black (line) for 277V.

For wires from Power Supply Enclosure to fixture (Fig. 2 - right):

1. PSU Out to Fixture: 18AWG Gray (24v+) to fixture load Plenum Rated Red (24v+) wire
2. PSU Out to Fixture: 18AWG Black (24v-) to fixture load Plenum Rated Black (24v-) wire

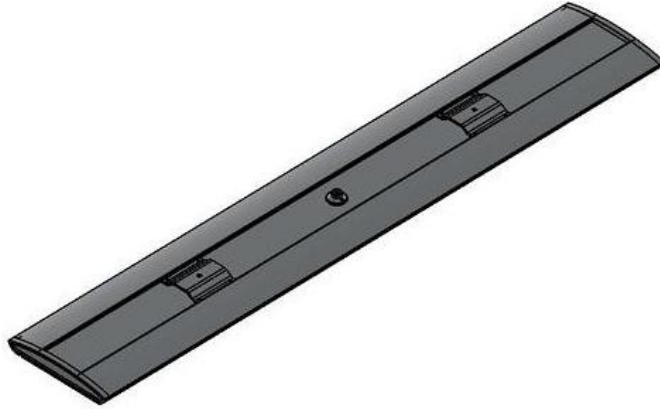
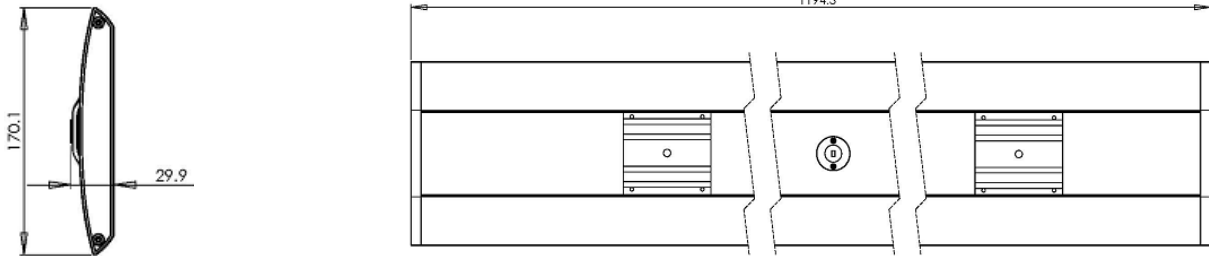
Note: After all electrical connections have been made, make sure Power Supply Enclosure (PSE) is securely mounted remotely above fixture (on t-grid or in ceiling plenum - see Page 2). Securely attach PSE with provided screws and in accordance with all local and national electric codes.

The power supply is provided with the luminaire and is part of the system. The High Perfection Tech LP1040-24-C1400 is 95mm x 70 mm x 32mm.



Prior to completing installation please check that all connections are secure and meet all local and National Electrical Codes (NEC). After installation is complete be sure to test all functions and meter test the lines for proper voltage.

Lunera 6400 Series 6.7"x4' Dimensions:

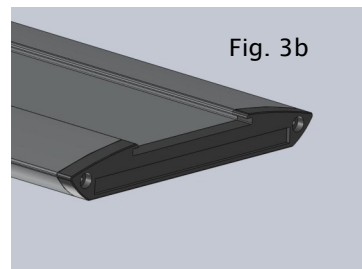
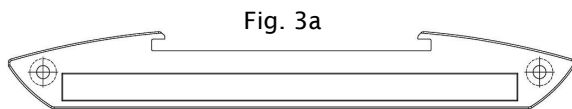


JOINING FIXTURES (to create linear runs):

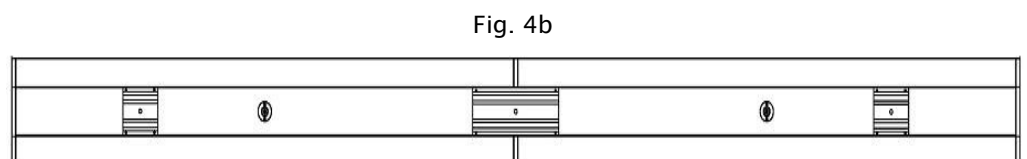
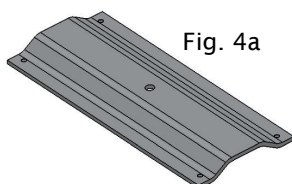
Note: Join the fixtures prior to suspending and install the power supply/battery backup mounting plate before attaching power.

Step 1: Make sure the fixture labels are aligned in the same orientation prior to joining the fixtures.

Step 2: Remove the center end caps from fixtures and replace with the joining end caps as seen in Fig. 3a & Fig. 3b below.



Step 3: Insert joining bracket (Fig. 4a) into left fixture, then join right fixture. Make sure joining bracket 1/4-20 hole is centered on the seam of the units (Fig. 4b). Tighten set screws on joining bracket with hex key #3 bit prior to hanging units (do not over tighten). Refer back to fixture mounting instructions on Page 1 for hanging hardware installation.



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