

FATZ 4FT (SURFACE CANOPY)

120-277VAC

designplanTM 

installation instructions



INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS. READ ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION! Please read all instructions before installation.

- Keep these instructions for future reference.
- Must be installed by a qualified electrician in accordance with national and local standards. Designplan is not responsible for fixtures installed without regard to these standards.
- Unauthorized alterations or tampering of product voids warranty.
- The main power connection must be in accordance with local electrical codes.
- Suitable for INDOOR applications.
- DO NOT INSTALL INSULATION WITHIN 3.0" (76 mm) OF ANY PART OF THE LUMINAIRE.



Maintenance

Scheduled maintenance must be carried out once a year on all lighting devices, regardless of appliance class and type of use. It must include the following operations:

- Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- The internal components such as the driver, washers and screws must not show clear signs of oxidation or rust. Clear traces of rust and oxidation will indicate the presence of water inside the device.
- In the case of damage, the components must be replaced by original components or spare parts.
- The main power connection must be outside the device, and protected in accordance with local electrical codes.



NEVER CONNECT CABLE WHILE THE FIXTURE IS POWERED.

Housing Installation

- Fixture consists of a surface electronics canopy housing with canopy cover, and the fixture itself. After installing the surface canopy to the ceiling, the fixture can be connected using the two pendant cables, which also serve as the low voltage power connection.
- The fixture is designed to be mounted over a standard 4" junction box. There are six mounting holes at back of the canopy cover.
- Also, there is the center mounting pattern on the canopy which can be used for mounting to the junction box. Junction box should be rated for supporting minimum 50 lb. The entire weight of fixture is supported by the junction box. It is contractor's responsibility to provide proper support to the junction box.
- Feed the building power into the 1/2" conduit entry in the center of the mounting pattern.
- Unplug the amp connector. Make supply lead connections inside the canopy using the female amp connector. CONNECT GREEN WIRE TO "GROUND", CONNECT WHITE BUILDING WIRE TO WHITE FIXTURE WIRE. CONNECT BLACK BUILDING WIRE TO BLACK FIXTURE WIRE. FOR 0-10V DIMMING APPLICATIONS THE RED IS THE POSITIVE (+) AND THE ORANGE IS NEGATIVE (-). IF DIMMING IS NOT REQUIRED SIMPLY CAP OFF ENDS.
Also, there is a 2 position quick connect plug between the canopy housing and the canopy cover. Ensure that all quick connect plugs are connected and fasten the canopy cover using the 3 screws.

Fixture Installation

- On the canopy cover, there are four silver cable grippers. Unscrew the gripper covers and slide the covers onto the low voltage cables that are part of the fixture. Once the gripper cover is removed, there will be a spring-loaded setscrew on the bottom of the cable gripper. Pushing in this spring-loaded setscrew will allow the low voltage cable on the fixture to be inserted and adjusted for length. CAUTION! The two grippers are different colors. the BLACK gripper is for the NEGATIVE low voltage cable, and the SILVER gripper is for the POSITIVE low voltage cable. (carefully remove one of the endcaps on the fixture... there is a label inside that shows what side is + or -.) NEVER CONNECT CABLE WHILE THE FIXTURE IS POWERED.
- Cut the cable close to the gripper with wire nippers where the cable was marked. The cable gripper can be actuated, and the low voltage cable can be SLOWLY pulled back thru the gripper. The reason for cutting the cable in this fashion is once the cable has been cut, it tends to unravel, making it very difficult to re-insert into the cable gripper. If the cable is cut while still in the gripper, the cable cannot unravel.
- Slip the cable gripper covers back up the low voltage cables and screw them back onto the cable grippers. Fixture is ready to be energized.

CAUTION!!! DO NOT ALLOW THE LOW VOLTAGE CABLES TO TOUCH EACH OTHER WHEN THE FIXTURE IS ENERGIZED!!!
THEY CARRY 2100mA AND WILL DAMAGE THE LEDS IF THEY SHORT AGAINST ONE ANOTHER.



NEVER CONNECT CABLE WHILE THE FIXTURE IS POWERED.

INSTALLATION IN ACOUSTIC CEILING OR OTHER APPLICATION THAT REQUIRE EXTRA SUPPORT

1. For additional support, you may use the supplied anchorage kit comprised of 2 suspension cables, 4 eye bolts, 8 6x32 nuts and 2 adjustable cable grips. Begin by mounting the canopy to the junction box using the center mounting pattern. (if applicable)
2. Fasten one nut onto the eye bolt, feed it through the tile, and into one of the mounting holes so that the loop is secured to the back of the canopy. Then fasten another nut to the eye bolt from the inside of the canopy to secure it. Repeat for all 4 mounting holes.



3. Feed the cable through the loop of the eye bolts. Fold the cable back forming a loop, pulling the cable through the loop on cable (see pictures).



4. Fit the cable end into the cord grip.
5. Identify structure member to suspend the order end of the support cables and loop the cable. Feed the end on the cord grip and adjust the tension to make sure cables are tight.

