

Safety Precautions

Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in potentially fatal electric shock and/or property damage.

It is recommended that all wiring be performed by a qualified electrician. This fixture must be wired in accordance with all national and local electrical codes.

Do not handle any energized fixture or attempt to energize any fixture with wet hands or while standing on a wet or damp surface or in water.

This fixture is designed for use in a 120-277VAC, 60Hz. Do not use on a dimming circuit.

To reduce the risk of electrical shock, and to assure proper operation, this fixture must be adequately grounded. To accomplish proper grounding, there must be a separate ground wire (green) or bare metal contact (metal conduit) between this fixture and the ground connection of your main power supply panel. The green ground screw location is clearly marked on the fixture housing.

This fixture is intended for use in dry or damp locations.

Assembly Instructions

1. Preparing for installation.

- A. **Disconnect electrical power** before installing or servicing any part of this fixture.
- B. After removing fixture from carton, place unit on a flat surface. To gain access to wiring compartment, remove thumbnuts (7), then ballast cover (9) by pressing at the dimples on the side of the cover (4) and rotating up and off. Remove appropriate knockout(s) for power supply entry.

2. Fixture mounting.

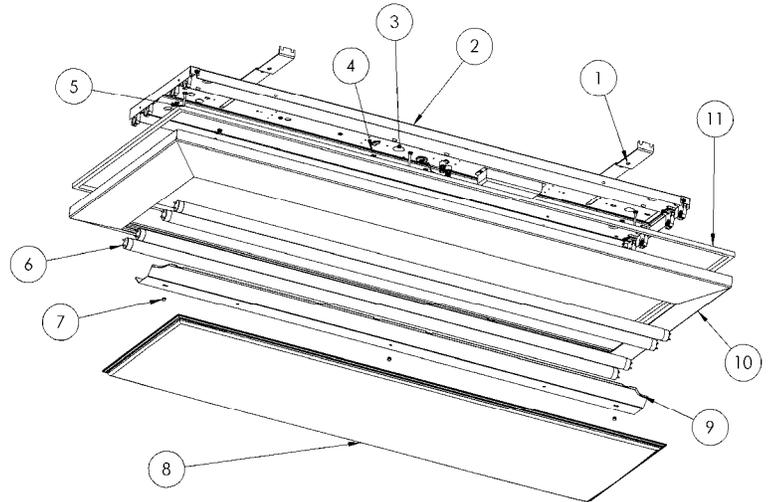
- A. To prevent light leaks between the fixture and ceiling, attach supplied foam gasket (11) to lens frame (10), adhesive side to frame.
- B. To locate, hold fixture/frame assembly (2) up to ceiling with power supply knockout located over entryway for power supply wires. Mark the locations of the four 1/4" diameter-mounting holes in the mounting brackets (1) on the ceiling. Take the fixture assembly down and punch a small hole into the ceiling at each location using a nail or an awl to see if there is a wood joist. If there is a joist use a suitable wood screw (not included) to mount the fixture assembly. Where there is no joist to screw into use a 1/4" toggle bolt (not included) of suitable length to mount fixture securely to the ceiling.
- C. Feed the black and white supply wires, and the green ground wire into the fixture through open knockout hole (3). At this time you can finish mounting the fixture assembly to the ceiling.

3. Wiring.

Caution: Make sure power is off at fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within three inches of ballast use wire suitable for at least 90C (194F). **Note:** Most dwellings built before 1985 have supply wire rated to 60C. Consult a qualified electrician before installing.

- A. This unit will not operate properly unless connected to a "grounded" electrical circuit. Electrical shock, over heating, low or no light output, and shortened lamp life can result if proper grounding is not done. Securely attach green (or green and yellow) wire to provided green ground screw.
 - B. Using luminaire disconnect (provided), insert white supply wire into the hole across from white ballast lead. Insert black hot supply wire into hole across from black ballast lead. **Do not mix wires.** Pull on each wire to make sure connections are secure. Make certain no bare wires are exposed outside of luminaire disconnect.
 - C. Replace ballast cover (9) by placing one edge of ballast cover into dimples (4), swing upward, press cover allowing second edge to catch second set of dimples and lock in place. Make sure no wires become crimped between cover (9) and channel (2). Lock the cover in place by re-attaching thumb nuts (7).
 - D. Install appropriate lamps (6) (F32T8, not included) by inserting lamp pins into lamp holder. Rotate into place to seat lamp for proper connection. It may be necessary to slide the lamps into the lens frame at an angle, and then up to the lamp holders.
 - E. Install diffuser (7) by sliding one corner of the lens into a corner of the frame until the short end of the diffuser is totally inside of the frame. Slide the diffuser into the frame until the other end of the lens clears the inside edge of the frame. Lower the diffuser until it rests in to the bottom of the frame.
4. Restore power at fuse or circuit breaker box.

AELF 432 model shown



Limited Factory Warranty

American Fluorescent Corporation hereby warranty that this fixture is free from defects in materials and workmanship when installed and used under normal operating conditions for a period of 2 years from date of purchase. This warranty covers all component parts and extends only to replacement of defective fixture or components; it does not cover failure due to improper installation, misuse, mishandling or damage incurred in transit.