

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 a qualified electrician perform all wiring. 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. Maximum of 10 linkable units on a 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 for general indoor lighting in dry or damp locations only.

Assembly Instructions

1. Preparing for installation

- A. **Disconnect electrical power** before installing or servicing any part of this fixture.
- B. Remove fixture from carton, set ceiling-pan assembly aside (shade (3), decorative frame (2) and ceiling-pan (1) are pre-assembled). Open hardware bag and remove contents. (see figure 1)

2. Wiring

All wiring must take place inside junction box.

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. This unit will not operate properly unless connected to a "grounded" electrical circuit. Electrical shock, overheating, low or no light output, and shortened lamp life can result if proper grounding is not done.

- A. Using wire connectors on harness (see figure 2); connect white supply wire to white wire 2-pin connector (9) (*Note: slide wire protective sleeving away from connector to see wire color*); insert the stripped wire end into the open pin-hole location of the connector (9). Connect black hot supply wire to black wire 2-pin connector (9); insert the stripped wire end into the open pin-hole location of the connector. Follow the same instructions to connect the ground wire. **Do not mix wires.** Pull on each wire lead to make sure the connections are secure. Make certain no bare wires are exposed outside of wire connectors.

3. Ballast Wiring

- A. Using wire connectors (8) on harness, insert white wire from ballast to white wire 4-pin connector (8); insert the stripped wire end into the open pin-hole location of the connector (8). Connect black wire from ballast to black wire 4-pin connector (8); insert the stripped wire end into the open pin-hole location of the connector (8). Follow the same instructions to connect the ground wire. **Do not mix wires.** Pull on each wire lead to make sure the connections are secure. Make certain no bare wires are exposed outside of wire connectors.

4. Mounting (Hardwired Unit)

- A. Attach ceiling-pan (1) to junction box (not provided) through keyhole slots with #8-32 x 1-1/8" screws (4 - provided).

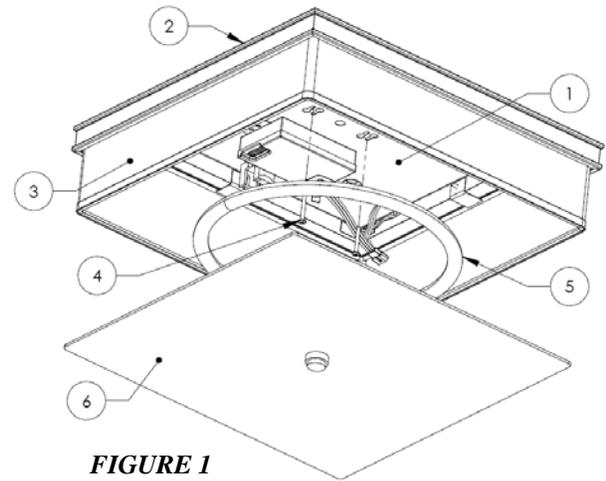


FIGURE 1

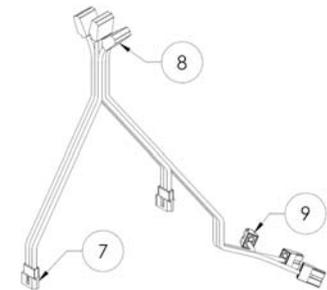


FIGURE 2

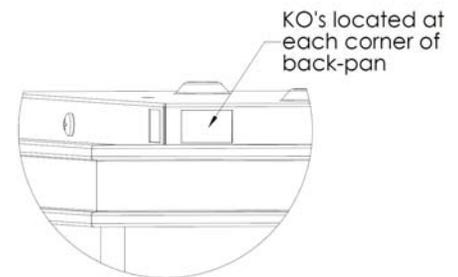


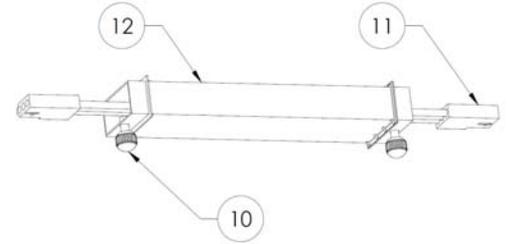
FIGURE 3

5. Preparing for Additional Fixture Linking

NOTE: Wire way channel creates a fixed 3 ¾" spacing between ceiling pans.

- A. Locate and remove appropriate knock-out on the back-pan (1).
- B. Hold up second fixture and mark appropriate knock-out in line with first hardwired fixture.
- C. Remove the knock-out on linked unit and insert one end of wire way channel (12) into the knock-out from the first hardwired unit. Secure the wire-way channel with the thumb screw (10 - provided) inside the diffuser.

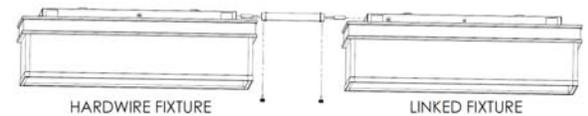
FIGURE 4



6. Linking Additional Fixtures

- A. (*See figure 5*) Align wire-way channel into second fixture knock-out and mark keyhole mounting locations. Verify flange from wire-way channel is flush on both fixtures.
- B. Take the linking fixture down and locate the ceiling joists with a stud finder or punch a small hole into the ceiling at each location; using a nail, verify there is a wood joist. If there is a joist, use a suitable wood screw (not included) to mount the channel. Where there is no joist to screw into, use a ¼" toggle bolt (not included) of suitable length to mount channel securely to the ceiling.
- C. Secure the wire-way channel with the thumb screw (10 - provided) inside the diffuser.
- D. Attach linked fixture connector (7) to connector (11) on the inside of each fixture to link fixtures. Maximum number of linkable fixtures: **10 units.**

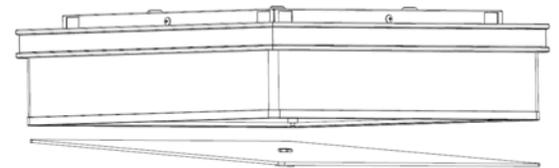
FIGURE 5



7. Fixture Lamping

- A. This fixture uses one FC12T5 55W high output circline lamp (5 - provided).
- B. Align lamp (5) pins into socket. Press lamp into lamp clips until lamp is secured at all locations. Press lamp pins into socket until pins snap in place and are secured.

FIGURE 6



8. Bottom Diffuser Installation

- A. (*See figure 6*) Assemble lower diffuser by inserting one corner into the inside of the base diffuser allowing it to rest on the inside edge. Lift up the rest of the diffuser edges and allow the lower diffuser to rest on inside of the main diffuser edge.

9. Restore power at fuse or circuit breaker box

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.