

### 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.

Make sure that the power source conforms to the requirements of the fixture. (See labels on fixture housing).

**Models ending in MV, can be supplied with 120-277VAC. These units are NOT DIMMABLE.**

**Models ending in SCTD, must be powered with 120VAC ONLY. The units can be used with an approved dimmer.** (Call American Fluorescent Customer Service for dimming information) When dimming: Only Use CFSB20K27D from American Fluorescent. **6 lamps MAXIMUM per dimmer switch.**

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.

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

### Assembly Instructions

#### 1. Preparing for installation.

- Disconnect electrical power** before installing or servicing any part of this fixture.
- Unpack and lay out all fixture components to verify everything is included to fully assemble the fixture.
- Please affix all aircraft cables with supplied connector adapters to prevent cables from coming undone when assembled.

#### 2. Fixture assembly - Lighting fixture is partially assembled

- Lamp Shade / 11" Pan with Cord / Cable Assembly:
  - Remove the hex nut and lock washer from the 11" pan stem assembly (do not remove the 1-1/8" flat washer).
  - Now, feed the cord through the center hole of the shade assembly and mechanically secure it with the hex nut and lock washer that you removed before.
  - Feed through the three cable (11) to the connectors that are mounted on the 11" pan. Insert the cable by pressing the "Spring Pin" (12)(A) Fig 5 downward and holding until it comes out at the other end. Repeat these steps for the other cables. **Note:** Cable length adjustments might be needed again for the correct cord length alignment.

- Take the fixture power cord wires (Fig 3) and slide them through the canopy (6) strain relief assembly (8).

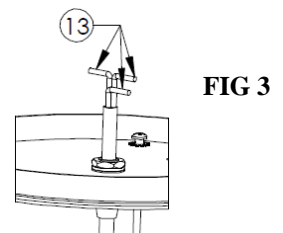
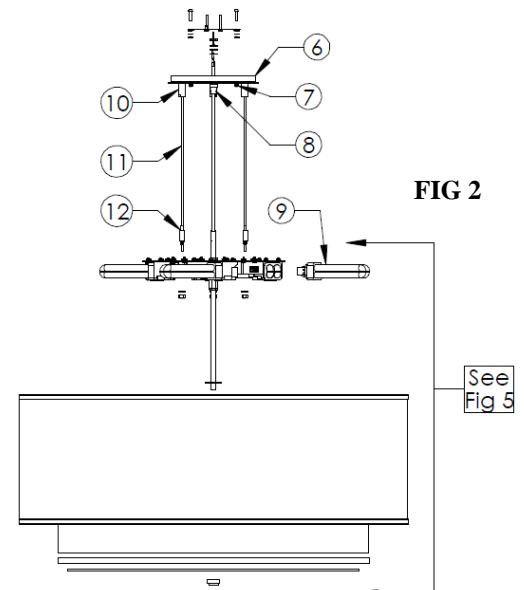
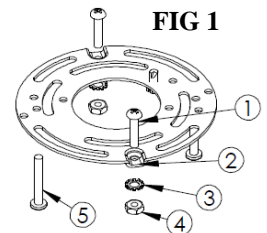
##### Cord Length Adjustments / Cutting / Stripping Wire Ends:

- Before cutting the cord, measure the desired cord length for pendant mounting. Tighten the strain relief by threading tapered metal finial to mechanically secure the cord.
- For wiring NEC (National Electrical Code) requirements, cut the cord about 7" from the canopy (6) as shown in Fig 3.
- Cut the cord outside jacket insulation about 3" from canopy (6) and then stripped 3/8" the ends of the three wires (13) same as shown in Fig 3.

#### 3. Fixture mounting from Junction Box (Fig 1).

- Install the short screws (1) with lock washers (3) and hex nuts (4) all provided into the offset holes (2) of the round mounting bracket as shown in Fig 1. Be sure these two screws (1) line up with holes in canopy (6) and point away from junction box.

**Note: These short screws (1) may require adjustment to mount the two ball nuts (7) correctly.**



- B. Install and secure the round mounting bracket assembly to the junction box (not provided) in ceiling with the longer screws (5) provided.

#### 4. Wiring Canopy Cord Assembly to 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.

- Attach (one of the wire in Fig 3) the cord no color wire (13) to the in-coming supply ground wire.
- Models ending in MV: 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.**
- Models ending in SCTD: Use wire connectors provided to connect in-coming white supply wire to cord white wire. Connect in-coming black supply wire to cord black wire. **Do not mix wires.**
- Pull on each wire to make sure connections are secure. Make certain no bare wires are exposed outside of wire connectors.
- Line up the two holes in the canopy (6) with the two screws in the round mounting bracket. Secure fixture to screws with the two thumb ball nuts (7) provided.

#### 5. Aircraft Cable Adjustments.

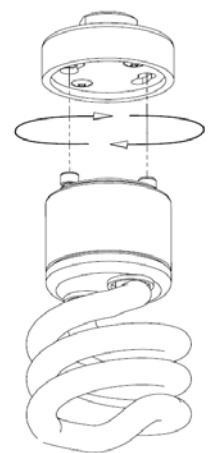
- Adjust the aircraft cables up and down by pressing the “Spring Pin” (12)(A) Fig 5 downward and holding until the proper cable length is attained and repeat the same steps to the other two cable assemblies. **Note:** Extra cable length should be looped, tied, or cut to minimize lamp shadows.

#### 6. Lamp Installation (Lamps included on models ending with “SCTD”).

- For models ending in MV, use only 18 watt fluorescent, quad 4-pin lamps (9). To install, line-up lamp pins with the corresponding holes in the lamp socket and push lamp into place until a click is heard. Repeat for each lamp.
- Models ending in SCTD use a GU24 base lamp (20W max.). To install, line up lamp pins with the corresponding holes in lamp socket and turn clockwise until a click is heard Fig 4. Repeat for each lamp.

**NOTE: BE CAREFUL NOT TO ROTATE PENDANT DURING LAMP INSTALLATION/REPLACEMENT**

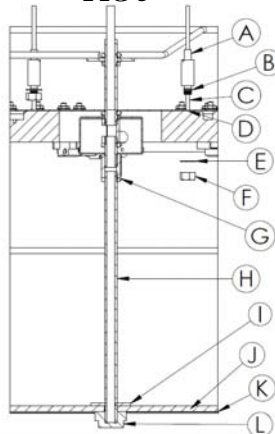
FIG 4



#### 7. Diffuser Installation

- Install the shade / stem support assembly (H) to the hub and wire compartment assembly. Make sure the hex nut (G) mechanically secure at the top and the flat washer (I) is mounted about 1/2" from the end of the stem same as shown in Fig 5.
- Next, install the metal trim ring (K) to the shades wire formed and with the plastic diffuser (J) at the center of the offset portion of the metal trim ring (K) and at the same time pushing and aligning the hole of the plastic diffuser with the stem and threading to secure with the finial (L).

FIG 5



#### 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.