

## 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.

Model numbers ending in *MV* are designed for use in a 120-277VAC, 60Hz fused circuit; otherwise the fixture is designed for use in a 110-120VAC, 60Hz fused circuit. Do not use on a dimming circuit unless unit is provided with appropriate dimming ballast.

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 to be used for dry, indoor lighting locations.

**Tools Required: Phillips Screwdriver, Adjustable Wrench & Pliers.**  
**Hardware Required: Appropriate mounting hardware**

## Parts Inventory (Items to be Assembled)

### Packed inside the carton:

- 1) 1 Channel Sub-assembly with socket/bracket sub-assembly (Cut the plastic tie wraps on the flat carton)  
**Note:** Same as Fig 2
- 2) Two swivel sub-assembly (See Fig 1)
  - a) 1 swivel sub-assembly with wires (A), assembled to plate (5)
  - b) 1 swivel sub-assembly without wires (B), assembled to plate (5)
- 3) Plate (5), Canopy (11), 2 stems (13) included, each stem has 2 Flat washer (14), (15), 1 lock washer, 1 hex nut
- 4) Parts bag: Small wire connectors, 2 #8-32 x 1 inch long (4), 2 #8 lock washer (8), 2 #8-32 hex nut (9)
- 5) One 4ft metal frame with diffuser (25) (See Fig 5)

## Assembly Instructions

### 1. Preparing for installation

A. Consult a local licensed electrician or electrical contractor about installing the fixture if you are not sure about installation.

2. Select a suitable dry location (use for indoors only). Make sure mounting surface is capable of supporting the 19lbs weight of the fixture.

### 3. Installing Fixture Mounting Plate (Fig 1) (Fixture Total Load Weight: 19 lbs)

A. Before installing the mounting plate (5) that is shown in Fig 1, **make sure the two #8 screws (4), two lock washers (8) and two hex nuts are installed to the plate (5), and also make sure that the wires (19) and ground wire (7) are placed under the plate (5) and the end wires are able to reach the wiring location area.** Install the plate on the outlet box. **Note:** To rigidly secure the plate, it is recommended to use an outlet box and extra support hardware 1/4 trade size screws (not included) or 1/4 toggle bolts (not included) at the four 1/4 diameter hole located at both ends of the plate (5).

### 4. To Install Canopy / Stem to Plate Assembly (Fig 1)

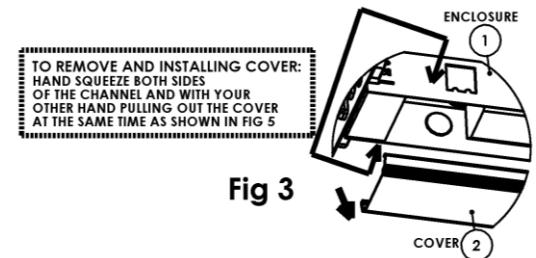
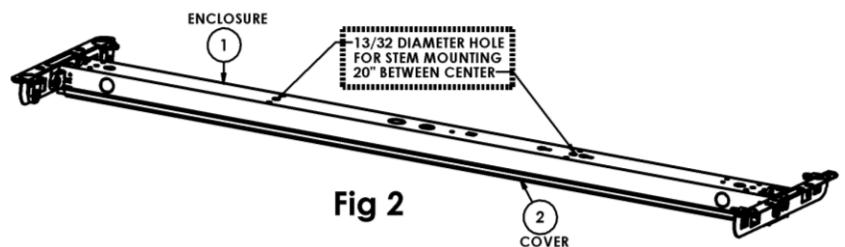
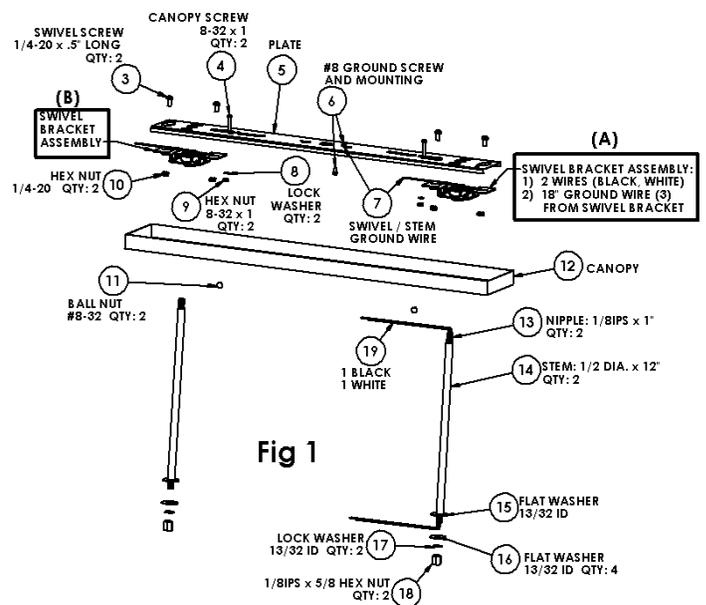
- A. Align the 2 holes on the canopy to the plate two #8-32x1inch (4) and use the ball nut (11) to secure the canopy temporarily.
- B. Feed through the wires (19) to the stem (14) and thread the end of the stem to the nipple that is attached on the swivel bracket assembly (A). Repeat these procedures to connect the other stem (without wires) to the swivel bracket assembly (B). **Note: When tightening the stem to the threads of the nipple from swivel bracket assembly (a) and (b) make sure that the swivel ball groove is locked in place to the bracket tab.**

### 5. Assembling Channel Fixture (Use Fig 1 to Fig 4)

A. First remove hardware flat washers (15), (16), lock washers (17), hex nuts (18) on both of the stems and also remove the channel cover (2) by using the procedure in Fig 3.

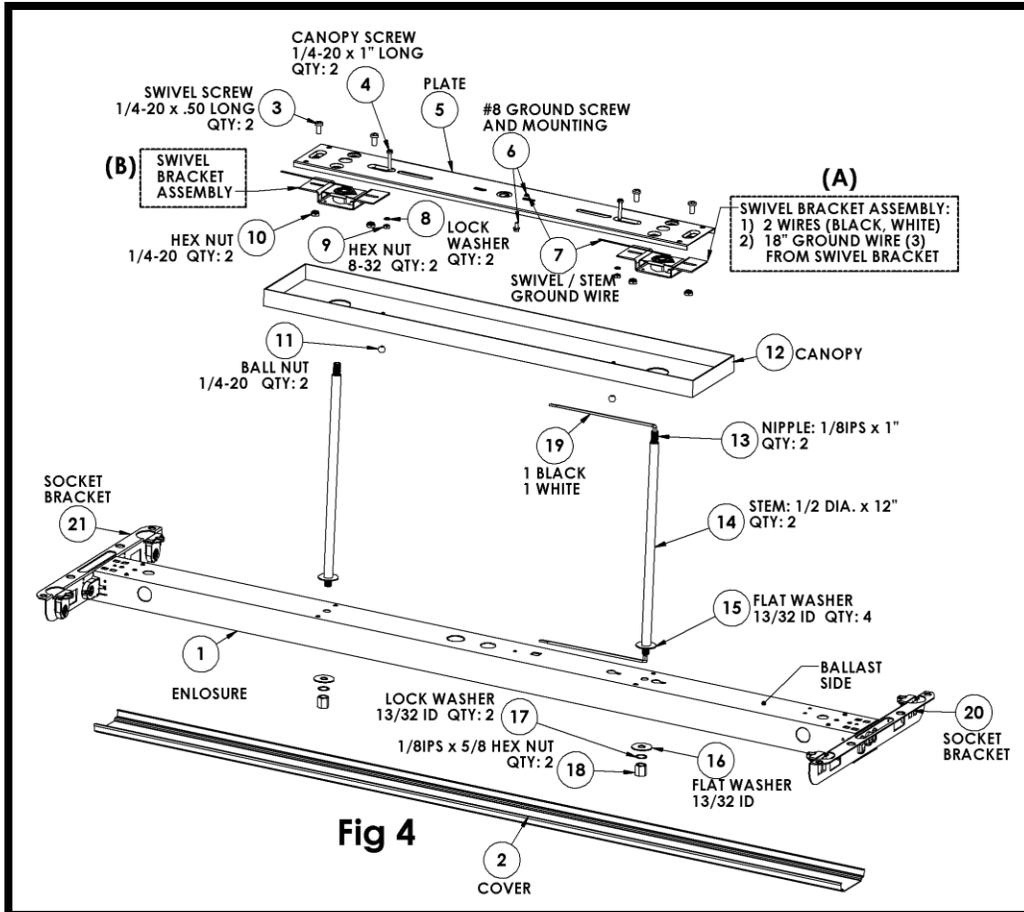
**Note:** When mounting channel assembly, make sure that the ballast is near the stem that has the wires.

B. Install the channel assembly: first make sure that you have the flat washers (15) installed on both of the stems (will be on top of the channel after installation). Feed the wires through the channel hole (near ballast side) and align the other stem with the other hole on the channel as they are shown in Fig 1 and Fig 2. Now re-install the hardware that you took off temporarily, while holding the channel with one hand, fasten the flat washer (16), lock washer (17) and mechanically secure the channel with the hex nut (18).



### 6. Wiring the Fixture (Use Fig 1 to Fig 4)

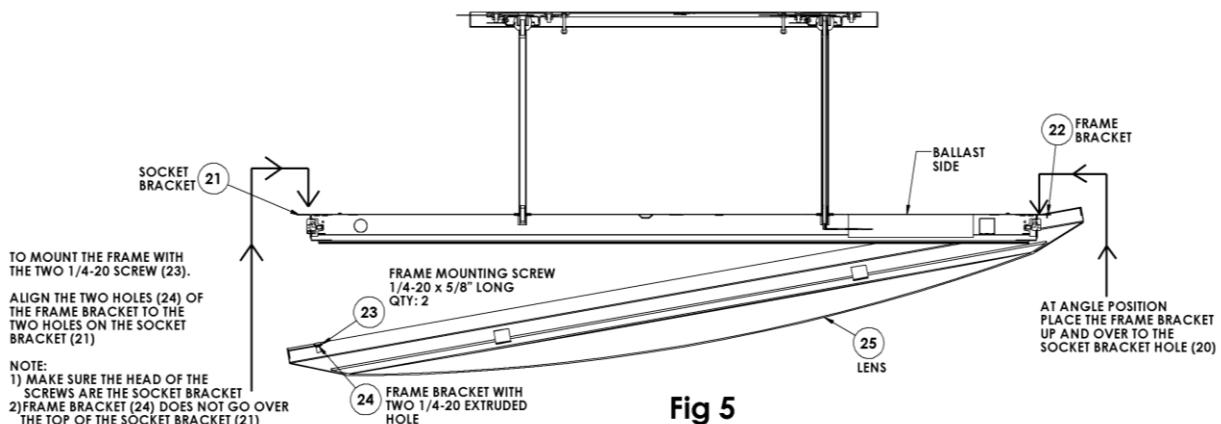
- First, connect the ballast black wire with the wire nut (provided) to the black wire of the stem/swivel (A), now, connect the ballast white wire with the wire nut (provided) to the white wire of the stem/swivel (A) (Fig 4). **Note – for models with luminaire disconnect pre-wired to ballast, reference the included instruction insert.**
- Re-install the channel cover (2) as it is shown in Fig 2.
- Connect the power service in-line wires: First, remove the canopy (12) and unscrew the two #8-32 ball nut (11), with the wire nut provided, connect the power service in-line black wire to the black wire from the swivel bracket assembly (A), with the use of the wire connector provided, connect the power service in-line white wire to the white wire of the stem bracket assembly (A) and the last wires to connect are the swivel ground wire and the power service in-line ground wire to the plate (5) ground screw (6).



- Now, re-install the canopy (12) and the two #8-32 ball nuts (11), which you removed for the purpose of wiring the fixture.

### 7. Installing the 4FT Metal Frame with the Two 1/4-20 screws (Use Fig 5).

- Tip the 4ft metal frame as it shown in Fig 5 and make sure the frame bracket bent tab (22) is on the hole of the socket bracket (20), then swing the other end of the frame Up and against the socket bracket (21), now align the holes of the frame bracket (24) to the socket bracket (21) two holes. **Now**, you can install and tighten the two 1/4-20 x 5/8 screws. To install the screws, you have to start from the top of the socket bracket (21) and screwed on to the two threaded holes of the frame bracket (24). **Note** hold on one hand and use the other hand to fasten the two screws.



#### 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 from factory. 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.