

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.

Make sure that the power source conforms to the requirements of the

fixture. (See labels on fixture housing). Model numbers ending in **MV** are designed for use in a 120-277VAC, 60 Hz fused circuit; otherwise the fixture is designed for use in a 110-120VAC, 60Hz fused circuit. 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 to be used for general indoor lighting 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 ballast cover (1) by pressing at the dimples (2) on the side of the channel (3).
- C. Remove appropriate knockout(s) for power supply entry.

2. Fixture mounting.

- D. To locate, hold channel (3) up to ceiling with power supply knockout (4) located over entryway for power supply wires. Mark the locations of the two 5/16" diameter-mounting holes (5) on the ceiling. Take the channel (3) 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 channel (3). Where there is no joist to screw into use a 1/4" toggle bolt (not included) of suitable length to mount channel (3) securely to the ceiling. **Proceed to step E before final mounting.**
- E. Feed the black and white supply wires, and the green ground wire into the fixture through open knockout hole. At this time you can finish mounting the channel (3) 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.
- F. 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 (7).
 - G. Using wire connectors (not provided), connect white supply wire to white ballast (6) lead. Connect black hot supply wire to black ballast lead. Do not mix wires. Pull on each wire lead to make sure connections are secure. Make certain no bare wires are exposed outside of wire connectors. **Note – for models with luminaire disconnect pre-wired to ballast, reference the included instruction insert.**
 - H. Replace ballast cover (1) by placing one edge of ballast cover into dimples (2), swing upward, press cover allowing second edge to catch second set of dimples (2) and lock in place. Make sure no wires become crimped between cover (1) and channel (3).
 - I. Install appropriate lamps (not included) by inserting lamp pins into lamp holder. Rotate into place to seat lamp for proper connection.
 - J. The white plastic diffuser (8) has two plastic clips (9) attached to each long side of the diffuser. The fixture channel (3) has a lip on each side of the fixture for each pair of plastic clips to lay onto when the diffuser is mounted. Install diffuser (8) by angling the diffuser over one long side of the housing channel (3) and shift the diffuser over until the diffuser is centered. Swing the diffuser upwards and shift the diffuser back towards the channel so the plastic clips (9) are hanging on the fixture lip.
 - K. Restore power at fuse or circuit breaker box.



Figure 2

