

# Surface Mount LED Fixture

## 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.

## 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 wire cover (2) by pressing squeezing cover at the sides.
- C. Remove appropriate knockout(s) for power supply entry.

### 2. Fixture mounting.

- A. To locate, hold channel (3) up to ceiling with power supply knockout located over entryway for power supply wires. Mark the locations of the mounting holes on the ceiling. Take the channel 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. Where there is no joist to screw into use a 1/4" toggle bolt (not included) of suitable length to mount channel securely to the ceiling. **Proceed to step 2B before final mounting.**
- B. Feed the black and white supply wires into the fixture as well as the green, or bare, ground wire (if applicable) 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 90°C (194°F). **Note:** Most dwellings built before 1985 have supply wire rated to 60°C. 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 connect the green grounding lead (included) that is connected to the channel, to the green, or bare, ground wire or other code compliant ground.
- B. Using wire connectors (provided), connect white supply wire to white driver lead. Connect black hot supply wire to black driver 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.
- C. Replace wire cover (2) by placing one edge of cover into dimples on channel, swing downward, press cover allowing second edge to catch second set of dimples and lock in place. Make sure no wires become crimped between wire cover and channel.
- D. Install diffuser by opening the six plastic holding clips (4) attached to the channel and place the diffuser within the channel and twist the plastic holding clips to hold the diffuser in place.
- E. Restore power at fuse or circuit breaker box.

