

**GENERAL**

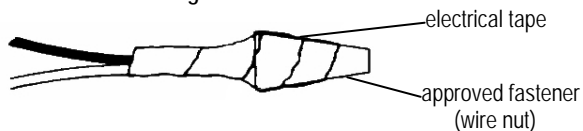
- To insure the success of this fixture installation, the following instructions and diagram(s) should be read and understood. All electrical connections must be made in accordance with the National Electric Code and local codes and ordinances. If you are uncertain of the methods of installing electrical wiring and lighting fixtures, secure the services of a qualified licenced electrician.
- TOOLS NEEDED:** Blade screwdriver, small adjustable wrench or slip-joint pliers, electrical current tester, stepladder and electrical tape.  
**NOTE:** The important safeguards and instructions outlined on this sheet cannot cover all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors that cannot be built into any product. Caution and care must be supplied by the person(s) installing, operating and caring for this lighting fixture.

**INSTALLATION PREPARATION**

- TURN OFF THE ENTIRE ELECTRICAL CIRCUIT TO WHICH THE LIGHTING FIXTURE IS TO BE ATTACHED.**  
 Move the appropriate circuit breaker to the "off" position or completely remove the fuse controlling the circuit.
- If an existing fixture is being replaced, remove it and note to which of the wires in the outlet box the fixture was attached. **DO NOT SEPARATE ANY OTHER WIRES THAT MAY BE IN THE BOX. DO NOT DAMAGE THE INSULATION OF OLDER WIRING.** In regular circumstances the BLACK wire will be the "Hot" lead and the WHITE wire will be the "Neutral" or "Common" lead. A GREEN or BARE COPPER wire is the "Ground". In older buildings it is always good practice to reconfirm the polarity of the wiring.
- This fixture is designed to be mounted on a correctly installed standard round or octagon box or a through wiring box with a plaster frame. The box must be securely mounted to the structure of the building. The crossbar and hardware supplied should be used. Directly mounting the fixture to the outlet box may make it impossible to correctly align the fixture.

**FIXTURE INSTALLATION**

- Remove the fixture, parts and parts bag(s) from the carton.  
Before discarding the carton, double check to make certain that all parts are found.
- (Starting at the back), thread the 2 longest screws into the mounting ring. (The green ground screw is the front). Attach the mounting ring to the outlet box. (The green screw should face the floor).
- Thread the small hex nuts onto the screws. Adjust the screws so they extend 3/16" beyond the canopy of the fixture, Lock the hex nuts against the crossbar.
- Fasten the ground wire to the green or bare copper wire in the outlet box or to the green screw on the crossbar.  
NEVER FASTEN THE GROUND WIRE TO THE BLACK OR "HOT" WIRE !  
FAILURE TO FOLLOW THIS INSTRUCTION COULD RESULT IN SERIOUS INJURY OR DEATH !
- Fasten the white fixture lead to the white wire in the outlet box. Fasten the wires together with an approved fastener (wire nut). Starting about 1' below the fastener, tightly wrap the connection with electrical tape so that the tape seals the end of the fastener.  
**Make sure that there is no exposed wire or strands that could cause a dangerous short circuit !**



- Connect the black fixture lead to the black wire in the outlet box. Fasten the joined wires as in step 5.
- Using the end balls, fasten the fixture to the outlet box. Rotate and align the canopy as necessary.
- Install the lamp ( light bulb).

The 3412F fixture is rated for a 100 watt type A lamp.

The 3416F fixture is rated for a 150 watt type A lamp  
**DO NOT EXCEED RECOMMENDED WATTAGE !**

- Install the glass and secure with the 3 knurled head screws.
- Restore power to circuit at breaker or fuse box.

