

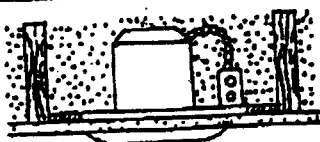
Electronic Fluorescent Recessed Downlighting Fixture

Fixtures are classified for insulated ceilings (Type IC & Type T) and for suspended ceilings (Type S). To ensure reliable operation, make sure the fixture corresponds to the proper ceiling installation. Read the following material carefully before beginning installation.

In general these instructions apply to "round" housings. In most cases drawings of "round" housings have been used to illustrate installation procedures.

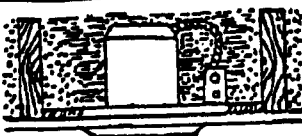
Before attempting installation of any recessed lighting fixture, check your local electrical code. This code sets the wiring standards for your locality and should be carefully studied before starting work.

IC
Type



Insulated Ceiling
Insulated Ceiling or IC approved recessed fixtures is one that can be installed in direct contact with insulation.

T
Type



Thermal Protected
Thermal protected fixture is designed for installation where it will not come in contact with insulation. Thermal insulation must be kept 3" away from the housing. Includes a thermal protector that deactivates the unit if incorrect lamp is used or if insulation is too close to the fixture.

S
Type



Suspended Ceiling
Fixtures can be installed in suspended ceilings that are not permanent or insulated.

Warning: Risk of fire, most dwellings built before 1985 have supply wires rated 60°. Consult a qualified electrician before installing. If supply wires are located within three inches of ballast, use wires rated for at least 90° C.

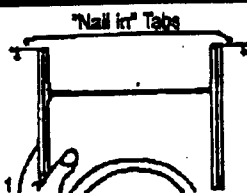
Caution: This product complies with part 18 of the FCC Rules but may cause interference to radios, television, wireless telephones, and remote controls. If interference occurs, move product away from the device or plug either into a different outlet, or move the lamp out of the sight with the remote control receiver.

Users manual: This product could produce interference when used near 0.7V, radio wireless remote control or maritime safety communication equipment. Or other critical navigation of communication equipment operating between 0.45---30 MHZ. If interference would occur, move the lamp away from the appliance a distance of three feet or more, Or plug the lamp or the appliance into a different outlet.

NEW CONSTRUCTION INSTALLATION

1. BAR HANGERS

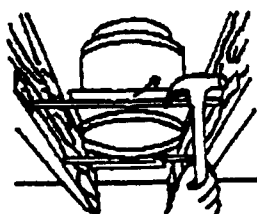
Insert bar hangers into the slots on the plaster frame (Drawing 1). Position bar hanger so that nail in tabs point away from housing or point down to ceiling.



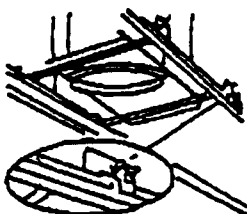
2. FASTENING FIXTURE TO CEILING

Joist-type ceilings: Extend bar hangers to fit between joists. Position fixture temporarily by hammering "nail-in" tabs into joist (drawing 2). Then secure permanently with nails. Hangers should be level with bottom of joist.

Suspended (T-bar) Ceilings: Extend bar hangers 1" past T-bars, then rest fixture on T-bars. Secure fixture to T-bars with wire (drawing 3).



2



3

3. ELECTRICAL CONNECTION

Junction box contains two wires. A Black (hot +) and a white (neutral -), which must be spliced to the house current feed wires. Make sure to splice the white to white and colored or black to black. After splicing is completed, tuck splices carefully into junction box and replace cover (drawing 4).

Power Feed



Grounding

For Romex or 3 wire BX, flexible Armour cable installation attach supply ground lead (green) to bare copper ground lead or ground screw in wiring box mounted on plaster frame. Local electrical codes should be consulted to determine acceptable insulation-conduit Romex or flexible Armour cable.

4 Ground screw or Ground wire

4. Cutting a hole

Locate the center of proposed opening on your tile or ceiling material and mark it.

Round: Use a compass to draw a circle 8 3/8" in diameter around the center point. Cut along this circular line. (Drawing 5)

Square: Cut an 8 1/4" square hole or a 10 1/4" square hole depending on the model.

After putting openings, attach ceiling material to joists or place on T-bars (Housings may be adjusted "up and "down" as desired to bring the bottom edge of housing level with bottom surface of ceiling material. To complete the installation, install recommended lamp and attach trim.



5

5A

5B