

## TYPE IC & NON-IC 4" RECESSED DOWNLIGHT INSTALLATION INSTRUCTIONS

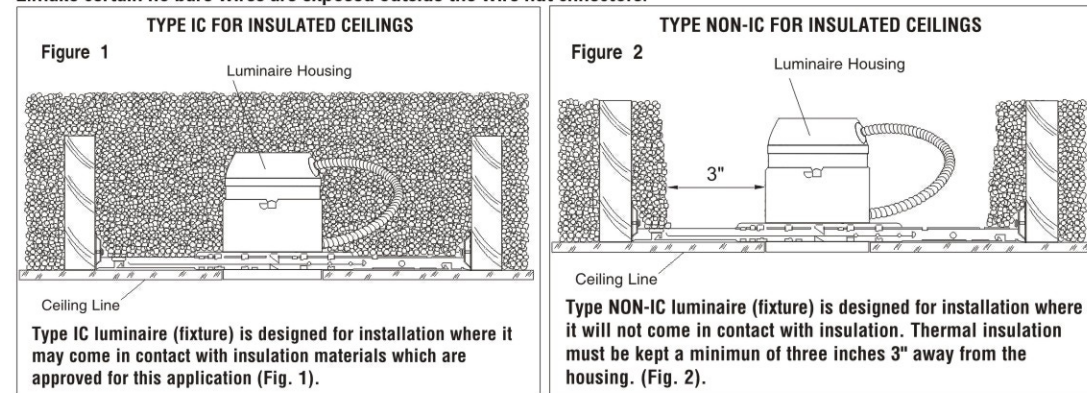
1. Risk of Fire—supply conductors (power wires) connecting the fixture must be rated minimum 90°C. If uncertain consult an electrician.
2. Risk of Electric Shock—Disconnect power at fuse or circuit breaker before installing or servicing.
3. Risk of Fire/Electric Shock—If not qualified, consult an electrician.

### CAUTIONS:

1. For your safety read and understand instructions completely before starting installation.
2. These luminaires (fixtures) are designed to meet the latest NEC requirements and are listed in full compliance with UL 1598.
3. Before attempting installation, check your local electrical code, as it sets the wiring standards for your locality.

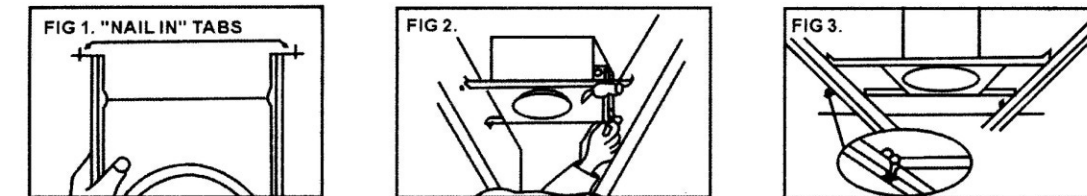
### NOTES:

1. If luminaire (fixture) is to be switched from a wall switch, make sure black power supply wire is connected to the switch. DO NOT connect the white supply wire to the switch.
2. Make certain no bare wires are exposed outside the wire nut connectors.



### 1. BAR HANGERS

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



### 2. FASTENING FIXTURE TO CEILING

Joist-type ceiling: Extend bar hangers to fit between joists. Position fixture temporarily by hammering "nail-in" tabs into joists (Fig 2) then secure permanently with nails. Hangers should be level with bottom of joists.  
Suspended (T-bar) Ceiling: Extend bar hangers 1" past T-bars then rest fixture on T-bars. Secure fixture to T-bars with wire see (Fig 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 white to white and colored or black to black. After splicing has been completed, tuck wires carefully into junction box and replace cover (Fig 4)

#### Grounding

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

### 4. CUTTING A HOLE

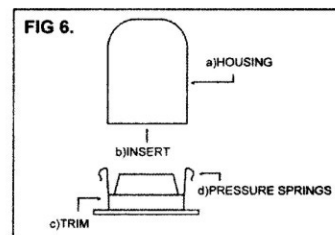
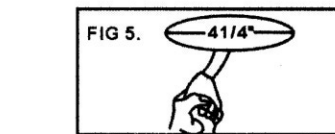
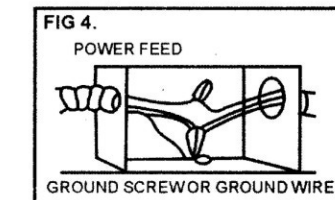
Locate the center of proposed opening on your tile or ceiling material and mark it. Use a compass to draw a circle 4 1/4" in diameter around the center point. Cut along this circular line (Fig 5)

### 5. INSTALL TRIM ASSEMBLIES

Insert trim into housing. Push upward fully and pressure springs will hold trim in place. (see Fig 6)  
Refer to lamp wattage label in the housing for approved lamps and corresponding trims.

### 6. INSTALLATION FOR AIR-TIGHT

Air-Tight housings are supplied with pre-installed gaskets.



## NON-IC 4" REMODELING & TRIM INSTALLATION INSTRUCTIONS

1. Risk of Fire—supply conductors (power wires) connecting the fixture must be rated minimum 90°C. If uncertain consult an electrician.
2. Risk of Electric Shock—Disconnect power at fuse or circuit breaker before installing or servicing.
3. Risk of Fire/Electric Shock—If not qualified, consult an electrician.

### CAUTIONS:

1. For your safety read and understand instructions completely before starting installation.
2. These luminaires (fixtures) are designed to meet the latest NEC requirements and are listed in full compliance with UL 1598.
3. Before attempting installation, check your local electrical code, as it sets the wiring standards for your locality.

### NOTES:

1. If luminaire (fixture) is to be switched from a wall switch, make sure black power supply wire is connected to the switch. DO NOT connect the white supply wire to the switch.
2. Make certain no bare wires are exposed outside the wire nut connectors.

**CAUTION: INSULATION MUST BE KEPT A MINIMUM OF 3" AWAY ON SIDES AND NO INSULATION ON TOP OF THIS FIXTURE**

### REMODELING HOUSING INSTALLATION:

1. Using template, scribe circle on ceiling in desired location.
2. Accurately cut hole in ceiling.
3. Provide electrical service with flexible cable only. Pass cable through opening and wire fixture in accordance with NEC or your local Electrical code.
4. With clips seated properly in can (Fig. A). Insert remodel housing into ceiling, junction box first.
5. Hold fixture up against ceiling and push clip through housing slot (Fig. B).
6. To lock clip in place push flat portion against side of can (Fig. B).
7. To release pull down on clip (Fig. C).
8. Install trim.

### ELECTRICAL CONNECTION:

1. This fixture must be connected to supply wire rated at 90°C.  
Most dwellings built prior to 1985 have supply wire rated at 60°C.
2. Junction box contains three wires, a black (hot +) white (neutral -) and bare ground. MAKE SURE TO CONNECT WHITE TO WHITE AND COLORED OR BLACK TO BLACK. (Fig. D)
3. After completing the wiring, (being sure the wires are placed within the wiring box), snap wiring box cover closed.

#### Grounding:

For Romex, 3 wire BX, or flexible conduit installations, attach supply ground lead to bare copper ground lead or ground screw in wiring box mount or mounted on plaster frame. Local electrical codes should be consulted to determine acceptable installation—Romex, BX, or flexible conduit.

### INSTALL TRIM ASSEMBLIES:

1. Insert trim into housing. Push upward fully and pressure springs will hold trim in place. (Fig. E)
2. For eyeball trims, before installing trim, remove socket plate from housing. Unfasten socket from socket plate and snap into hole provided in top of trim. (Fig. F for PAR lamp)

### CUTTING A HOLE:

Locate the center of proposed opening on your ceiling material and mark it. Draw a 4 1/4" dia circle around the center point. Cut along the circular line.

Note: In areas where excessive ceiling vibration can occur, we suggest you use a # 1/4-14 x 1/2" pan HD sheet metal screw to further lock the spring clips against the fixture's housing. Drive the screw through the hole in the spring clip and into the housing slot.

