INSTALLATION INSTRUCTIONS

2" 3" 4" 5" 6" IC/NON-IC RECESSED HOUSING FOR NEW CONSTRUCTION

panel

closed.

Grounding

frame by gasket supplied in J-box.

Then put lamp and trim into the fixture

INSTALL AND USE THIS PRODUCT FOLLOWING YOUR LOCAL ELECTRICAL CODES AND REGULATIONS

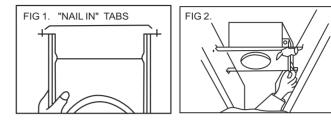
Fig.A CAUTION: Non-IC Housing: CONSULTA QUALIFIED ELECTRICIAN BEFORE JOIST Insulation must not be used INSTALLING FIXTURE In direct contact with fixture. 2"x8" Insulation needs to be at least PREPARATION 3"away from the fixture 1.Read the instructions carefully before installing this fixture. If you are unfamiliar with electrical wiring, Have a qualified licensed electrician install this fixture for you IC Housing: 2.Before proceeding be sure the ceiling construction Can be installed in direct 2"x8" follows the requirements shown in(FIG.A) contact with insulation JOIS 3. Shut off electrical power at the fuse or circuit breaker 4. Properly position a sturdy and stable step tadder high enough to reach the ceiling safely. Fig.C Fig.B Nail in BAR HANGERS Bar hange 1.Install hanger bars to fixture-be sure end tab is tabs facing outward.(Fig.B) INSTALLING FIXTURE TO CEILING: 1. Joists type ceilings-Extend bar hangers to fit between joist and position fixture temporarily by hammering Nail nail on bars into the joists Hangers should be leveled with bottom of joists(Fig.C) 2.Suspended(T-bar)cellings-Extend barhangers Fig. D Fig. E 1"past T-bars then rest fixture on t-bars.Secure fixture to t-bars with wire see(Fig.D) INSTALL TRIM ASSEMBLIES: Insert trim into housing -Push upward fully and pressure springs will hold trim in place.(Fig.E) Inser ELECTRICAL CONNECTION: 1. Most dwellngs built before 1985 have supply wire SUSPENDED reted 60°c. (T-BAR)CEILING Consult a gualified electrician before installing. 2. Junction box contains three wires, a black(hot +) Fia. F POWER FEED white(neutral-)and bare ground. MAKE SURE TO CONNECT WHITE TO WHITE Black to black AND COLORED OR BLACK TO BLACK(Fig.F) 3.After completing the wiring. (being sure the wires are placed within wiringbox).snap wiring box cover See Fig.G for low voltage. GROUND SCREW OR GROUND WIRE For Romex or 3 wire BX.fiexible Armour cable Wiring Connection in J-box for low voltage installations attach supply ground load to bare copper ground lead or ground screw in wiring box mount or Fig. G Red(Secondary) mounted on plasterframe.Local electrical codes should be consulted to determine acceptable Installation-conduit Romex.or flexible Armour cable. Transformer AIR-TIGTH-INSTALLATION INSTRUCTIONS After installing the housing in the ceiling.Seal opening of ceiling and around the edge of plaster

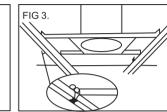
ALLow 1/2" SPACE INSULATION INSULATIONALLOW 1/2" SPACE 1/2"TO 1"THICK CEILING MATERIAL loin JOINT TYPE CEILING Housina Pressure Springs Ground wire White to white Bare ground wire J-box Lampholder lead wire(White) Black(Primary) White(Primary)

INSTALLATION INSTRUCTION FOR RECESSED HOUSING. IC TYPE NEW CONSTRUCTION.

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 ceilings-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) Ceilings-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

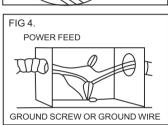
Junction box contains two wires a black(hot +) and a white (neutral-) which must be spliced to the house current feed wires. Make sure to splice white to white and colored or black to black. After splicing has been completed, tuck splices carefully into junction box and replace cover (Fig 4)

Grounding

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

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 3-23/64" (3inch housing FIG 5.), or 4-1/2" (4inch housing FIG 6.), or 5-11/16" (5inch housing FIG 7.). or 6-3/8" (6inch housing FIG 8.) or 2-9/10" (2inch housing FIG 9.) in diameter around the center point, cut along this circular line



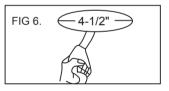
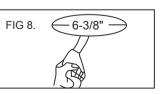


FIG 7. 5-11/16"







WARNING-RISK OF FIRE, MOST DWELLINGS BUILT BEFORE 1985 HAVE SUPPLY WIRE RATED 60°C. CONSULT A QUALIFIED ELECTRICIAN BEFORE INSTALLING.

Suitable for insulated ceilings for total contact covered with insulation