

# Recessed Cans For Downlights

Search Code: SC65594



## FEATURES

- For Remodel housings, four remodel clips secure the housing and accommodate 1/2" and 5/8" ceiling materials.
- For New Construction housings, four bar hangers nail into lumber or laminate beams for easy installation.
- Single-wall painted steel housing with gasket for IC-rated airtight installation in insulated ceilings.
- Airtight to prevent heated airflow diffusion.
- Listed for through-branch circuit wiring.
- Contains nine 8-3/5" knockouts and four Romex pry-outs with strain relief.
- Ground wire provided in J-box.
- Three quick connectors provided on J-Box.
- Long Lifespan: Rated for up to 50,000 operational hours.

## ELECTRICAL

- Voltage: 120 Volts.
- Single-wall painted steel housing with gasket for IC-rated airtight installation in insulated ceilings.
- Airtight to prevent heated airflow diffusion.
- IC-rated; can be directly installed on ceiling insulation.

## JUNCTION BOX

- Listed for through-branch circuit wiring.
- Contains nine 8-3/5" knockouts and four Romex pry-outs with strain relief.
- Ground wire provided in J-box.
- Three quick connectors provided on J-Box.



Measure across the opening of the inside of the housing at the widest point.

## WARRANTY & LISTINGS

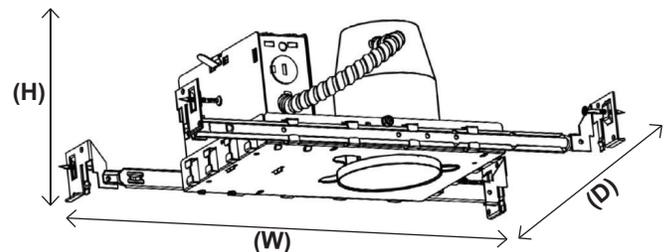
- Warranty: 5 years (50,000 operational hours).
- Certifications: UL listed for Air Tight construction and Damp Location.

## APPLICATION

- Supporting both new construction and remodels with IC-rated, airtight options for optimal energy performance and code compliance. Offer efficient, low-profile lighting for:
- Commercial.
- Retail.
- Residential Spaces.

## DIMENSIONS

- (Width) x (Height) x (Depth)



## ORDERING INFORMATION

Product Code	Opening Size	Install Type	Dimensions
HL2R-ICAT	2 Inch	Remodel	10.2"(W) x 3.8"(H) x 2.84"(D)
HL3-ICAT	3 Inch	New Construction	14.2"(W) x 4.56"(H) x 8.3"(D)
HL3R-ICAT	3 Inch	Remodel	11"(W) x 4.56"(H) x 3.54"(D)
HL4-ICAT	4 Inch	New Construction	14.2"(W) x 6.14"(H) x 8.3"(D)
HL4R-ICAT	4 Inch	Remodel	11.4"(W) x 5.68"(H) x 4.62"(D)
HL4S-ICAT	4 Inch	New Construction	14.2"(W) x 4"(H) x 8.3"(D)
HL4RS-ICAT	4 Inch	Remodel	11.4"(W) x 3.7"(H) x 4.63"(D)
HL6-ICAT	6 Inch	New Construction	25.5"(W) x 7.2"(H) x 10"(D)
HL6R-ICAT	6 Inch	Remodel	13"(W) x 7.75"(H) x 7"(D)
HL6S-ICAT	6 Inch	New Construction	25.5"(W) x 6"(H) x 10"(D)
HL6RS-ICAT	6 Inch	Remodel	13"(W) x 6"(H) x 7"(D)

# INSTALLATION INSTRUCTIONS

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

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

**CAUTION:**  
CONSULT A QUALIFIED ELECTRICIAN BEFORE INSTALLING FIXTURE

### PREPARATION:

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.
2. Before proceeding be sure the ceiling construction follows the requirements shown in (FIG.A)
3. Shut off electrical power at the fuse or circuit breaker panel.
4. Properly position a sturdy and stable step ladder high enough to reach the ceiling safely.

### BAR HANGERS:

1. Install hanger bars to fixture-be sure end tab is 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 on bars into the joists Hangers should be leveled with bottom of joists(Fig.C)
2. Suspended (T-bar)ceilings-Extend barhangers 1"past T-bars then rest fixture on t-bars.Secure fixture to t-bars with wire see(Fig.D)

### INSTALL TRIM ASSEMBLIES:

1. Insert trim into housing -Push upward fully and pressure springs will hold trim in place.(Fig.E)

### ELECTRICAL CONNECTION:

1. Most dwellings built before 1985 have supply wire rated 60°C.

Consult a qualified electrician before installing.

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.F)**

3. After completing the wiring,(being sure the wires are placed within wiringbox).snap wiring box cover closed.

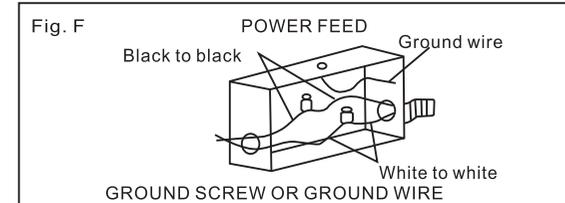
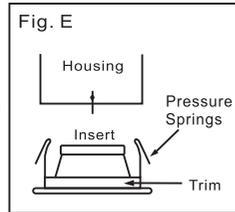
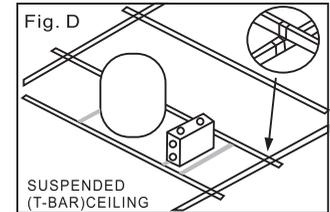
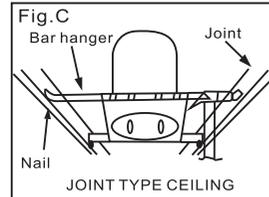
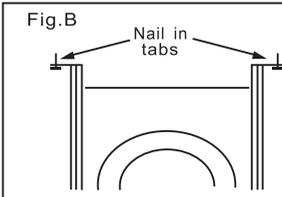
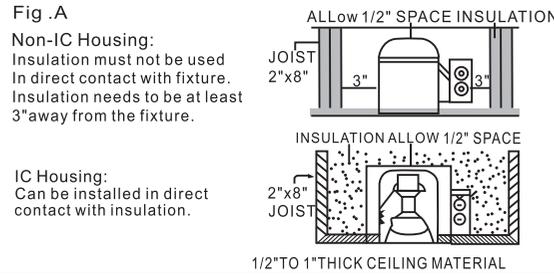
See Fig.G for low voltage.

### Grounding:

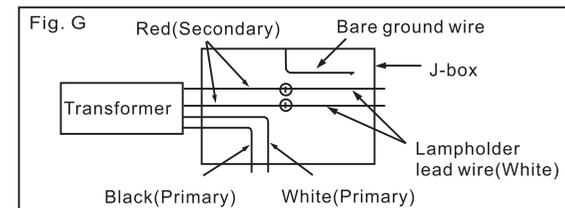
For Romex or 3 wire BX.flexible Armour cable installations attach supply ground lead to bare copper ground lead or ground screw in wiring box mount or mounted on plasterframe.Local electrical codes should be consulted to determine acceptable Installation-conduit Romex.or flexible Armour cable.

### AIR-TIGHT-INSTALLATION INSTRUCTIONS

After installing the housing in the ceiling.Seal opening of ceiling and around the edge of plaster frame by gasket supplied in J-box. Then put lamp and trim into the fixture.



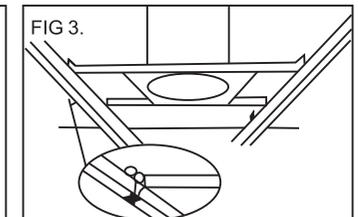
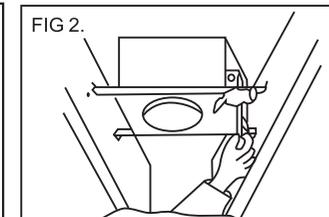
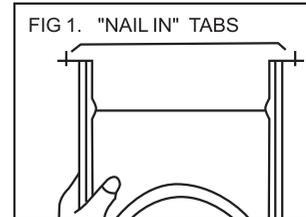
Wiring Connection in J-box for low voltage



## INSTALLATION INSTRUCTION FOR RECESSED HOUSING, IC TYPE NEW CONSTRUCTION.

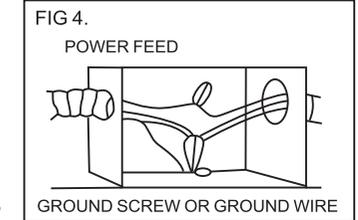
### 1. BAR HANGERS

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

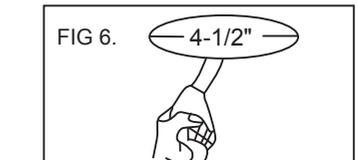


### 3.ELECTRICAL CONNECTION

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)

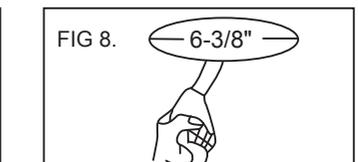
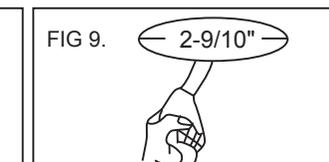
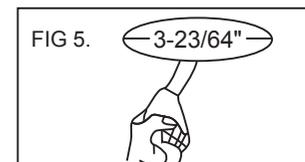
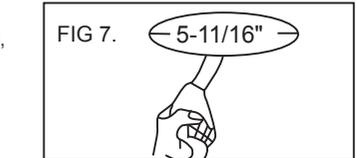
### Grounding

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 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 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.



**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**