

## Description

Designed for sloped ceiling installations for ceilings from 2/12 to 6/12 pitch. The socket aiming mechanism allows the lamp to be aimed straight down in accordance with ceiling pitch (2/12 to 6/12). H47ICAT is designed for use in insulated ceilings where the housing will be in direct contact with insulation\*. H47ICAT is Air-Tite gasketed to limit airflow between conditioned spaces and unconditioned areas.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## Specification Features

### Housing

- Aluminum double wall housing construction

### Plaster Frame

Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness. Galvanized steel construction. Plaster frame features include:

- Regressed locking screw for securing hanger bars
- Cutouts for easily crimping hanger bars in position
- Halo name embossed on plaster frame. The housing may be removed from plaster frame to provide access to the junction box
- Pre-installed Air-Tite ready ceiling contact gasket

### Includes:

#### Bar Hangers

#### Got Nail!™

- Integral precisely positioned nail for engineered and natural framing
- Mini-foot leveling flange
- Integral T-Grid Clip, no accessory clips required

#### q-Channel bars with Pass-N-Thru™

- Unique inverted "q" interlocking channel for rigidity and stability
- Pass-N-Thru™ feature allows bars to cross-over for tool-less shortening in tight spaces

### Hinged junction box w/ Slide-N-Side™

- (3) Slide-N-Side™ Non-Metallic (NM) wire traps, allow wiring outside the box
- For 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian
- (4) ½" conduit pry-outs
- Hinged door for easy access
- Box is repositionable 90° on frame to avoid obstructions

### Quick Connect™

- (3) Push wire nuts included, for speed & reliability
- Clear caps for wire connection visibility

### cULus Listed

- Compact 16 in³ volume
- Listed for max. (10) No. 12 AWG or (14) No. 14 AWG 90° C splice conductors in box

### Air-Tite™ code compliant

- Certified under ASTM E283
- Exclusive gasket seals aperture, frame & ceiling
- No additional caulk required

### Socket

- Porcelain socket with nickel plated brass screw shell
- Snap-in springs secure socket to socket plate, and may be detached when using socket supporting trims

- Exclusive socket aiming mechanism swivels and rotates to properly align lamp. Slope indicator provides quick and consistent lamp settings (factory set for 3/12 slope). Shipping insert protects socket from overspray.

### Compliance

- cULus Listed 1598 Luminaire
- cULus Listed Damp Location
- cULus Listed for Wet Location, covered ceiling, with select trims
- cULus Listed for feed through
- cULus Listed for direct contact with insulation and combustible material\*
- Air-Tite code compliant. Certified under ASTM E283; not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
- RoHS compliant

\*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)



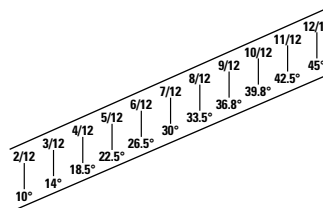
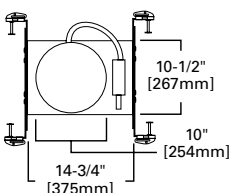
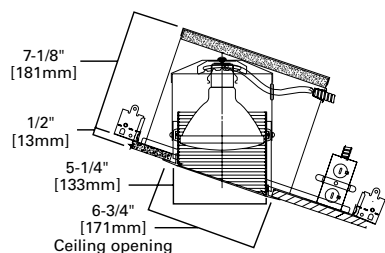
## H47ICAT

**6" IC, Air-Tite,  
New Construction  
Slope Housing**

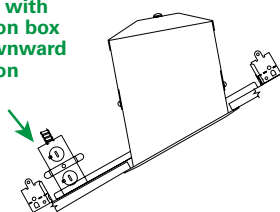
**FOR USE IN INSULATED  
CEILINGS**

**FOR DIRECT CONTACT  
WITH INSULATION\***

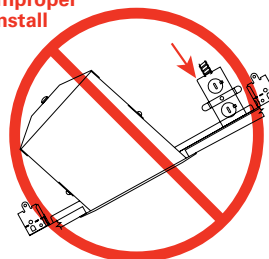
## Dimensions



**For proper  
slope aiming  
install with  
junction box  
in downward  
position**



**Improper  
install**



## Special Features

- Got-Nail!™ bar hangers
- q-Channel bars with Pass-N-Thru™
- Hinged J-Box with Slide-N-Side™
- Quick Connect™ push wire nuts
- Air-Tite™ code compliant

**Ordering Information**

**Sample Number:** H47ICAT 498P  
 Order housing, trim and lamp (by others) separately for a complete luminaire.

**Housing**

**H47ICAT** = 6" insulated ceiling, airtight, slope ceiling recessed housing, new construction

**Trims**

**Baffles**



**498 Coilex Baffle**  
**90W PAR38**  
 OD: 7-7/8" [200mm]  
**498P**=Black Baffle, White Trim  
**498W**=White Baffle, White Trim



**496 Coilex Baffle with Reflector**  
**75W A19, 100W R30, 85W BR30, 75W PAR30L**  
 OD: 7-7/8" [200mm]  
**496P**=Black Baffle with Clear Reflector, White Trim  
**496W**=White Baffle with Clear Reflector, White Trim

**Adjustables**



**78 Eyeball - 30° Tilt**  
**65W BR30, 75W R30**  
 OD: 8" [203mm]  
**78P**=White  
**78PAT**=White, Air-Tite  
**78SN**=Satin Nickel  
**78TBZ**=Tuscan Bronze



**1417 Low Voltage Eyeball - 30° Tilt**  
**20W 12V MR16**  
 OD: 7-1/4" [184mm]  
**1417W**=White Baffle, White Trim  
**1417P**=Black Baffle, White Trim

**Lensed**



**170 Albalite Glass Lens with Reflector**  
**60W A19**  
 OD: 8" [203mm]  
**170P**=Albalite Lens, White Trim  
**170PS**=Albalite Lens, White Trim, Shower light