

## Description

The H27ICAT recessed housing is designed for shallow ceilings and is a standard in the industry for both light commercial and residential applications. H27 series features robust construction, feed-through listing, Got Nail! bar hangers; and may support use of higher wattage lamps. A wide variety of trims allows a number of different lighting effects to be created with one basic housing. The H27ICAT is for installations where the housing will be in direct contact with insulation,\* and its Air-Tite design will also meet restricted air flow code requirements. May be retrofit with compatible Halo LED lighting systems.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## Specification Features

### Housing

- Single wall aluminum housing
- Aluminum housing for greater heat dissipation
- Sealed and gasketed for Air-Tite ready installation

### Socket Plate

- Rigid socket plate adjusts and locks without tools for various lamp sizes
- Socket plate and bracket may be removed when using socket supporting trims

### Plaster Frame

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

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

### Got Nail!™ Bar Hanger Bracket

Bar Hanger Features include:

- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams
- Safety and guidance system prevents snagging, ensures smooth straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic leveling flange aligns the housing and lets you hold the housing in place with one hand while driving nails
- Five additional mounting points
- Mounting point on top for hanger wire connection

- Integral T-bar clips snaps onto T-bars - no additional clips required

### q-Channel bars with Pass-N-Thru™

- q-Channel bars feature an 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 less than 12" without removing from the plaster frame. Push bars together and flex at score hole break points
- Housing can be positioned at any point within 24" joist span
- Bar hangers may be repositioned 90° on the frame

### Slide-N-Side™ Junction Box

Junction box features include:

- Slide-N-Side™ connectors allow non-metallic sheathed cable for both U.S. and Canada to be installed without tools and without removing knockouts
  - Allows wiring connections to be made outside the junction box
  - Simply insert the cable directly into the trap after connections are made
  - accommodates the following standard non-metallic sheathed cable types: (US) #14/2, #14/3, #12/2, #12/3 (Canada) #14/2, #14/3, #12/2
- Positioned to accommodate straight conduit runs
- Seven 1/2" trade size conduit knockouts with true pry-out slots
- cULus Listed 26 in3 box volume
- Listed for through branch (8) No. 12 AWG branch circuit 90° C conductors through the box

### Quick Connect™

- Three 4-port push-in "Quick Connect" wire nuts included in junction box

- Speed installation and increase reliability
- No additional wire nuts required
- Simply strip and insert supply wires

### Socket

- Porcelain socket with nickel plated brass screw shell
- Snaps into socket plate (or into socket supporting trim for consistent lamp positioning)
- Overspray protector included

### Thermal Protector

Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation

### Trims

Halo Fit-All concept offers multiple trim options in a variety of design styles, and functional beam distributions to control beam angle and lumen delivery in accommodating various lamp types including Halogen, CFL and LED

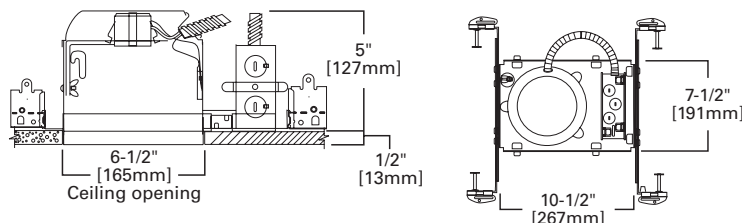
### Compliance

- cULus Listed 1598 Luminaire
- cULus Listed Damp Location
- cULus Listed for Wet Location, covered ceiling, with select trims
- cULus Listed for direct contact with insulation and combustible material\*
- cULus Listed for feed through
- 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)



## Dimensions



## H27ICAT

6" IC, Shallow  
New Construction  
Housing, 120V

FOR USE IN INSULATED  
CEILINGS

FOR DIRECT CONTACT  
WITH INSULATION\*

## Special Features

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

## Ordering Information






























Sample Number: H27ICAT 6110WB

Order housing, trim and lamp (by others) separately for a complete luminaire.

### Housing

H27ICT = 6" IC, Air-Tite, shallow New Construction Housing, 120V

### Trims

Reflectors			Lenses & Wet Location Showerlights
 <b>426 Reflector Cone</b> OD: 7-1/4" [184mm] <b>426</b> =Clear Specular Reflector Cone, White Trim <b>426MB</b> =Black Specular Reflector Cone, White Trim <b>426H</b> =Haze Reflector Cone, White Trim <b>426SN</b> =Satin Nickel Reflector Cone and Trim <b>426TBZ</b> =Tuscan Bronze Reflector Cone and Trim	 <b>6108 Coilex® Straight Plastic Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6108WB</b> =White Plastic Straight Coilex Baffle, White Trim <b>6108BB</b> =Black Plastic Straight Coilex Baffle, White Trim <b>6108BKBB</b> =Black Plastic Straight Coilex Baffle, Black Trim	 <b>170 Albalite Lens with Reflector ◊</b> OD: 8" [203mm] <b>170P</b> =Frosted Albalite Glass Lens, White Trim <b>170PS</b> =Frosted Albalite Glass Lens, White Plastic Trim, Showerlight, Air-Tite	
 <b>6106 Straight Reflector Cone, Self-flange</b> OD: 7-3/4" [197mm] <b>6106SC</b> =Specular Reflector, White Trim	 <b>6109 Coilex® Tapered Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6109WB</b> =White Tapered Coilex Baffle, White Trim <b>6109BB</b> =Black Tapered Coilex Baffle, White Trim <b>6109BKBB</b> =Black Tapered Coilex Baffle, Black Trim	 <b>171 Drop Opal Lens with Reflector ◊</b> OD: 8" [203mm] <b>171P</b> =Drop Opal Glass Lens, White Trim <b>171PS</b> =Drop Opal Glass Lens, White Plastic Trim, Showerlight, Air-Tite	
 <b>6107 Tapered Reflector, Self-flange</b> OD: 7-3/4" [197mm] <b>6107SC</b> =Specular Reflector, White Trim	 <b>6110 Pertex Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6110WB</b> =White Pertex Baffle and Trim <b>6110BB</b> =Black Pertex Baffle, White Trim <b>6110BKBB</b> =Black Pertex Baffle and Trim	 <b>172 Dome Lens with Reflector ◊</b> OD: 7-3/4" [197mm] <b>172PS</b> =Frosted Glass Dome, White Plastic Trim <b>172SNS</b> =Frosted Glass Dome, Satin Nickel Plastic Trim <b>172TBZS</b> =Frosted Glass Dome, Tuscan Bronze Plastic Trim	
 <b>6121 Shallow Full Cone Reflector, Self-flange</b> OD: 7-3/4" [197mm] <b>6121WH</b> =White Reflector and Trim			
Baffles			
 <b>310 Coilex® Baffle</b> OD: 7-1/4" [184mm] <b>310W</b> =White Coilex Baffle and Trim <b>310P</b> =Black Coilex Baffle, White Trim <b>310SN</b> =Black Coilex Baffle, Satin Nickel Trim <b>310TBZ</b> =Black Coilex Baffle, Tuscan Bronze Trim	 <b>6126 Shallow Full Cone Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6126WB</b> =White Baffle and Trim <b>6126BB</b> =Black Baffle, White Trim	 <b>173 Fresnel Lens with Reflector ◊</b> OD: 8" [203mm] <b>173P</b> =Fresnel Glass Lens, White Trim <b>173PS</b> =Fresnel Glass Lens, White Plastic Trim, Showerlight, Air-Tite	
 <b>312 Coilex® Baffle</b> OD: 7-1/4" [184mm] <b>312W</b> =White Coilex Baffle and Trim <b>312P</b> =Black Coilex Baffle, White Trim	 <b>74 PAR30 Eyeball 30° Tilt, Self-flange</b> OD: 8" [203mm] <b>74P</b> =White Eyeball and Trim	 <b>6145 Open Wet Location, Shallow Reflector, Self-flange - Showerlight*</b> OD: 7-3/4" [197mm] <b>6145WH</b> =White Reflector and Trim <b>6145SN</b> =Satin Nickel Reflector and Trim <b>6145TBZ</b> =Tuscan Bronze Reflector and Trim	
 <b>353 Metal Baffle</b> OD: 7-1/4" [184mm] <b>353SN</b> =Satin Nickel Baffle and Trim <b>353TBZ</b> =Tuscan Bronze Baffle and Trim	 <b>78 BR/PAR30 Eyeball 30° Tilt, Self-flange</b> OD: 8" [203mm] <b>78P</b> =White Eyeball and Trim <b>78PAT</b> =White Eyeball and Trim, Air-Tite <b>78SN</b> =Satin Nickel Eyeball and Trim <b>78TBZ</b> =Tuscan Bronze Eyeball and Trim	 <b>6150 Frost Dome Glass Lens, Self-flange</b> OD: 7-3/4" [197mm] <b>6150WH</b> =Frost Dome Glass Lens with Reflector, White Plastic Trim <b>6150SN</b> =Frost Dome Glass Lens with Reflector, Satin Nickel Plastic Trim <b>6150TBZ</b> =Frost Dome Glass Lens with Reflector, Tuscan Bronze Plastic Trim	
 <b>6100 Tapered Metal Baffle with (2) Trim Rings</b> OD: 7-1/8" [181mm] <b>6100WB</b> =White Baffle, Narrow and Wide White Trims (included) <b>6100BB</b> =Black Baffle, Narrow and Wide White Trims (included)	 <b>420 BR/PAR30 Regressed Eyeball 30° Tilt, Self-flange</b> OD: 7-1/4" [184mm] <b>420W</b> =White Eyeball, Baffle and Trim <b>420P</b> =White Eyeball, Black Baffle, White Trim	 <b>6162 Drop Opal Plastic Lens, Self-flange - Showerlight</b> OD: 7-3/4" [197mm] <b>6162WH</b> =Drop Opal Plastic Lens with Reflector, White Plastic Trim	
 <b>6101 Straight Metal Baffle with (2) Trim Rings</b> OD: 7-1/8" [181mm] <b>6101WB</b> =White Baffle, Narrow and Wide White Trims (included) <b>6101BB</b> =Black Baffle, Narrow and Wide White Trims (included)	 <b>6130 BR/PAR30 Eyeball 35° Tilt, Self-flange</b> OD: 7-3/4" [197mm] <b>6130WH</b> =White Eyeball and Trim		
 <b>6102 Tapered Metal Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6102WB</b> =White Baffle and Trim <b>6102BB</b> =Black Baffle, White Trim	 <b>6215 PAR30 Double Gimbal 35°-50° Tilt, Self-flange</b> OD: 7-3/4" [197mm] <b>6215WH</b> =White Gimbal and Trim <b>6215BK</b> =Black Gimbal and Trim <b>6215SN</b> =Satin Nickel Gimbal and Trim <b>6215TBZ</b> =Tuscan Bronze Gimbal and Trim	 <b>6230 Squirrelle Frost Glass Lens, Metal Trim - Showerlight</b> OD: 7-1/4" [183mm] <b>6230AH</b> =Frost Glass Lens, Aluminum Haze Squirrelle Trim <b>6230PN</b> =Frost Glass Lens, Polished Nickel Squirrelle Trim <b>6230SN</b> =Frost Glass Lens, Satin Nickel Squirrelle Trim <b>6230TBZ</b> =Frost Glass Lens, Tuscan Bronze Squirrelle Trim	
 <b>6103 Straight Metal Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6103WB</b> =White Baffle and Trim <b>6103BB</b> =Black Baffle, White Trim		 <b>6255 Soft Square, Frost Curve Glass Lens, Self-flange - Showerlight</b> OD: 7-1/4" [183mm] <b>6255WH</b> =Frost Curve Glass Lens with Reflector, White Plastic Trim <b>6255SN</b> =Frost Curve Glass Lens with Reflector, Satin Nickel Plastic Trim <b>6255TBZ</b> =Frost Curve Glass Lens with Reflector, Tuscan Bronze Plastic Trim	

\*Outdoor rated lamp only (purchase separately)

## Ordering Information

**Sample Number:** H27ICAT 6110WB

Order housing, trim and lamp (by others) separately for a complete luminaire.

## Housing

**H27ICT** = 6" IC, Air-Tite, shallow New Construction Housing, 120V

## Trims

### Open, Splay & Wall Wash

#### 300 Open Trim with Fixed Socket Bracket.

##### Self-flange

OD: 7-1/4" [183mm]

**300P**=Self-flange with White Open Trim

**300SN**=Self-flange with Satin Nickel Open Trim

**300TBZ**=Self-flange with Tuscan Bronze Open Trim

#### 328 White Splay Trim

OD: 7-3/4" [197mm]

**328P**=White Splay Trim

## Accessories

### Designer Finish Trim Rings

**TRM6C**=Chrome

**TRM6SN**=Satin Nickel

**TRM6TBZ**=Tuscan Bronze

**TRM6MB**=Black Metal

**TRM7MB**=Black plastic

Metal 7 1/4" OD. Compatible with 310\*, 312\*, 376, 378, 400, 404, 405, 410, 416, 419, 420, 424, 425, 426\*, 429\*, 455CG, 455SC, 456P, 456W, 477, 478, 1412, 1416, 1475.

### Oversized Trim Rings

**OT400P**=6" ID x 9-1/4" OD, Oversized white metal trim ring for designated 6" trims.

**OT403P**=6" ID x 8" OD, Oversized gloos white plastic trim ring for designated 6" trims.

\*Originally supplied with TRM6P white metal trim rings. All others are supplied with white plastic trim rings.

\*Outdoor rated lamp only (purchase separately)