

**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.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

**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
- Options to meet Trade Agreements Act requirements

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



**H27ICAT**

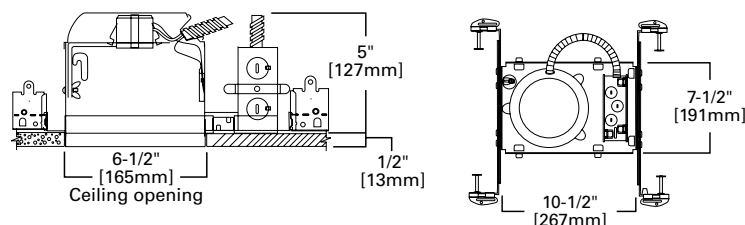
**6" IC, Shallow  
New Construction  
Housing, 120V**

**FOR USE IN INSULATED  
CEILING**

**FOR DIRECT CONTACT  
WITH INSULATION\***



**Dimensions**



**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.































**Domestic Preferences<sup>(1)</sup>**

[Blank] = Standard  
 TAA = Trade Agreements Act

**Housing**

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

**Trims**

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

Notes: (1) Only product configurations with this designated prefix are built to be compliant with the Trade Agreements Act of 1979 (TAA). Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

\*Outdoor rated lamp only (purchase separately)

## Ordering Information

**Sample Number:** H27ICAT 6110WB

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

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### Housing

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## 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, 456VW, 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 glossy 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.

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**Cooper Lighting Solutions**  
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P: 770-486-4800  
[www.cooperlighting.com](http://www.cooperlighting.com)

Specifications and dimensions subject to change without notice.



**LISTED**  
For use in Halo listed housings.



Select trims are classified for use in others housings.  
See [www.cooperlighting.com](http://www.cooperlighting.com)