

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)



H27ICAT

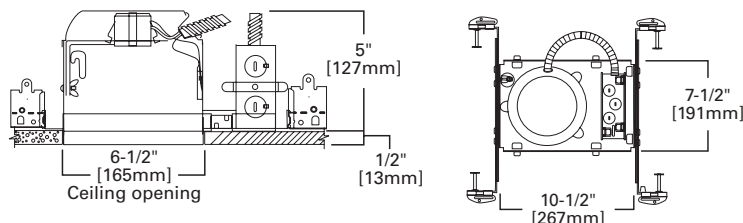
**6" IC, Shallow
New Construction
Housing, 120V**

**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: H271CAT 6110WB

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

Housing

H271CT = 6" IC, Air-Tite, shallow New Construction Housing, 120V

Trims

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

*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.

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