

Description

The H99ICAT is an IC Air-Tite™ housing for accent, task, and general lighting. It is designed for use in insulated ceilings where it will be in direct contact with insulation*. Air-Tite™ housing designed to restrict air flow between conditioned spaces and unconditioned areas. May be retrofit with compatible Halo LED lighting systems.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Specification Features

Housing

- Outer Housing: aluminum construction helps dissipate heat
- Inner Housing: double wall aluminum construction helps dissipate heat
- The inner housing can be removed from plaster frame to provide access to the junction box
- For insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)
- Inner housing adjusts for ceilings up to 1" thick

Plaster Frame

- Galvanized steel die-formed construction
- Plaster frame features include:
 - Patented regressed locking screw positioned for securing hanger bars from below the ceiling
 - Cutouts for easily crimping hanger bars in position
 - Air-Tite aperture gasket is pre-installed
 - Halo identity embossed on plaster frame

Includes:

Got Nail!™

- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams
- Safety and guidance system prevents nail 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

Pass-N-Thru™ bars

- Pass-N-Thru™ allows the bars to pass through each other for tool-less shortening in tight spots less than 12" without removing from the plaster frame. Push bars together and flex at score lines until excess can be removed
- Housing positions at any point within 24" joist span
- Bar hangers may be repositioned 90° on the frame on select housings
- (1) Locking screw and multiple crimp points on plaster frame secure bars in place

Slide-N-Side™

- (3) Slide-N-Side™ wire traps allow non-metallic (NM) sheathed cable to be installed without tools or 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 (NM) sheathed cable types for both U.S. and Canada: (US) #14/2, #14/3, #12/2, #12/3 (Canada) #14/2, #14/3, #12/2
- (7) 1/2" conduit pry-outs positioned to accommodate straight conduits runs [(4) 1/2" conduit pry-outs in Non-IC housing]
- cULus Listed 24 in³ box volume, listed for through-branch (8) No. 12 AWG branch circuit 90° C conductors through the box

Quick Connect™

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

Air-Tite™ code compliant

- ASTM E283 compliant

Socket

Fixed position porcelain socket with nickel plated brass screw shell provides consistent lamp positioning

Thermal Protector

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

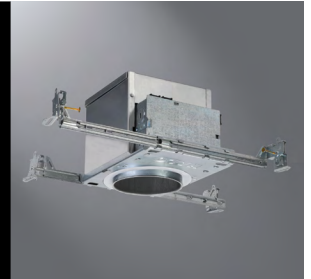
Trims

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

Compliance

- cULus Listed 1598 Luminaire
- cULus Damp Location Listed
- 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*
- RoHS compliant
- 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
- Options to meet Trade Agreements Act requirements

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



H99ICAT

**4" Insulated Ceiling
AIR-TITE, Shallow New
Construction Housing,
120V**

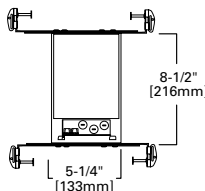
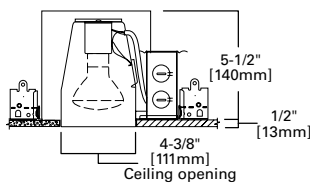
**FOR USE IN INSULATED
CEILINGS**

**FOR DIRECT CONTACT
WITH INSULATION***

**AIR-TITE HOUSING
RESTRICTS AIRFLOW
BETWEEN CONDITIONED
AND UNCONDITIONED
AREAS**



Dimensions



Special Features

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

Ordering Information

Sample Number: H99ICAT 4003SC
 Order housing, trim and lamp (by others) separately for a complete luminaire.

Domestic Preferences⁽¹⁾

[Blank] = Standard
 TAA = Trade Agreements Act

Housing

H99ICAT = 4" insulated ceiling AIR-TITE housing with adjustable socket bracket

Trims

- Reflectors**
- 999 Reflector Cone**
 OD: 5" [129mm]
 999P=Specular Clear, White Trim
 999RG=Residential Gold, White Trim
 999W=White Reflector, White Trim
 999H=Haze Reflector, White Trim
 999MB=Specular Black Reflector, White Trim
 999SN=Satin Nickel Reflector with Satin Nickel Trim
 999TBZ=Tuscan Bronze Reflector with Tuscan Bronze Trim
- 4003 Reflector**
 OD: 5" [129mm]
 4003=Specular Reflector, White Trim
- Baffles**
- 953 Metal Baffle**
 OD: 5" [129mm]
 953P=Black Baffle with White Trim Ring
 953W=White Baffle with White Trim Ring
 953SN=Satin Nickel Baffle with Satin Nickel Trim Ring
 953TBZ=Tuscan Bronze Baffle with Tuscan Bronze Trim Ring
- 993 Coilex Baffle**
 OD: 5" [129mm]
 993P=Black Baffle with White Trim Ring
 993W=White Baffle with White Trim Ring
 993SN=Black Baffle with Satin Nickel Trim Ring
 993TBZ=Black baffle with Tuscan Bronze Trim Ring
- 4001 Plastic Baffle**
 OD: 5" [129mm]
 4001BB=Black Baffle, White Trim
 4001WB=White Baffle, White Trim
- 4010 Metal Baffle**
 OD: 5" [129mm]
 4001BB=Black Baffle, White Trim
 4001WB=White Baffle, White Trim
- 4013 Full Cone Metal Baffle, Self-flanged**
 OD: 5" [129mm]
 4001BB=Black Baffle, White Trim
 4001WB=White Baffle, White Trim

- Adjustable**
- 996 Eyeball 15° Tilt**
 OD: 5" [129mm]
 996P=White Eyeball, White Trim
 996SN=Satin Nickel Eyeball, Satin Nickel Trim
 996TBZ=Tuscan Bronze Eyeball, Tuscan Bronze Trim
- 998 Eyeball 30° Tilt**
 OD: 5" [129mm]
 998P=White Eyeball, White Trim
 998SN=Satin Nickel Eyeball, Satin Nickel Trim
 998TBZ=Tuscan Bronze Eyeball, Tuscan Bronze Trim
- 4002 White Eyeball 30° Tilt**
 OD: 4-3/4" [120mm]
 4002=White Eyeball, White Trim
- Lens / Wet Location Listed**
- 945 Metropolitan Ice Light**
 945=Frosted Glass
 945B=Frosted Blue Glass
- 951 Prismatic Glass Lens with Full Cone Reflector**
 951PS=Full Reflector and Glass Lens, White Trim
 951SNS=Full Reflector and Glass Lens, Satin Nickel Trim
 951TBZS=Full Reflector and Glass Lens, Tuscan Bronze Trim
- 952 Cone Reflector**
 952PS=White Trim Ring, Dome Lens Shower Light
- 4055 Prismatic Glass Lens with Cut-Cone Reflector**
 OD: 5" [129mm]
 4055=Flat Glass Lens, White Trim

Mounting Accessories

Filters and Lenses
 The following filters and lenses can be substituted for the cover glass supplied for use with MR16 lamps.

Color Filters

- L112=Red Gel Filter
- L114=Ultraviolet Dichroic Filter
- L120=Red Dichroic Filter
- L121=Amber Dichroic Filter
- L122=Yellow Dichroic Filter
- L123=Green Dichroic Filter
- L124=Daylight Blue Dichroic Filter
- L125=Blue Dichroic Filter
- L127=Cosmetic (2700°K) Dichroic Filter
- L121=Yellow Gel Filter
- L121=Amber Gel Filter

Optical Lenses

- L100N=Diffuse Sand Blasted Lens. Provides an even beam spread from MR16 lamps- especially useful in wall washing.
- L111=Soft Focus Lens. Smooths irregular beam pattern while maintaining high controlled illumination levels and beam angles.
- L113=Prismatic Spread Lens. Provides a symmetrical broadening of MR16 lamp beams.
- L115=Fans the MR16 beam to produce a wide rectangular illumination pattern.

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)



For use in Halo listed housings.

Can also be used with the following LED Modules:

- LT4 = 4" LED retrofit module
- LA4 = 4" LED adjustable retrofit module
- RL4 = 4" all-purpose retrofit LED retrofit module
- RA4 = 4" adjustable gimbal all-purpose LED retrofit module
- RSQ4 = 4" all-purpose square retrofit LED retrofit module
- ML4 = 4" LED module (see ML4 spec sheets for trim options)
- SLD4 = 4" surface LED downlight
- SMD4 = 4" surface LED downlight



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Specifications and dimensions subject to change without notice.