

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

E71CAT

6" IC, AIR-TITE, New Construction Housing
E26 Screw Base Housing

Typical Applications

Residential, Light Commercial

Interactive Menu

- Order Information page 2
- Product Specification page 4
- Product Warranty

Product Certification



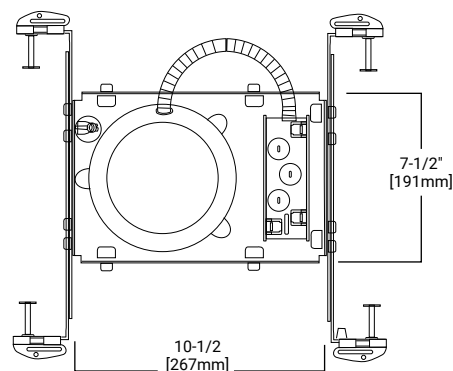
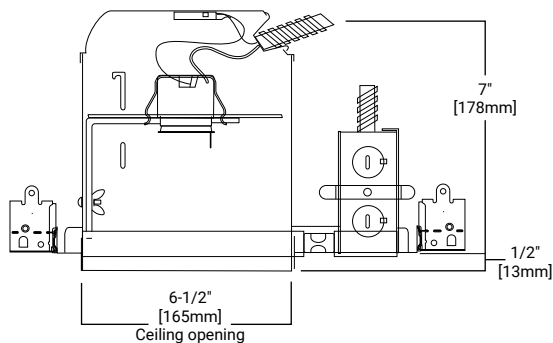
Product Features



Top Product Features

- All Nail!™ bar hangers with preinstalled nail and integral T-grid clip; q-Channel interlocking hanger bars
- Pass-N-Thru™ tool-less shortening of bar hangers; Quick Connect wiring connectors included in junction box
- Hinged junction box with Slide-N-Side™ wire traps; For use in insulated and non-insulated ceilings
- AIR-TITE™ per ASTM E283; AIR-TITE™ exclusive housing gasket; Thermally protected
- Socket bracket adjusts lamp to various trim styles and designs
- Options to meet Trade Agreements Act requirements

Dimensional and Mounting Details































Order Information

SAMPLE ORDER NUMBER: **E7ICAT 6110WB**



















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

Domestic Preferences	Housing
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[Blank] =Standard TAA =Trade Agreements Act	E7ICAT = 6" insulated ceiling, airtight recessed housing, new construction, 120V
(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.	

Trims

Reflectors	Baffles	Adjustables	Lens / Wet Location Listed
 30 Reflector, Self-flange OD: 7-1/4" [184mm]	 30 Baffle, Self-flange OD: 7-1/4" [184mm]	 74 PAR30 Eyeball 30° Tilt, Self-flange OD: 8" [203mm]	 Lenses & Wet Location Showerlights 173 Fresnel Lens with Reflector OD: 8" [203mm]
30HAT = Haze Reflector, White Trim 30RGAT = Residential Gold Reflector, White Trim 30CAT = Clear Specular Reflector, White Trim	30WAT = White Baffle, Reflector and Trim 30WATH = White Baffle, Clear Reflector and White Trim 30PAT = Black Baffle, Clear Reflector and White Trim 30SNAT = Satin Nickel Baffle, Reflector and Trim 30TBZAT = Tuscan Bronze Baffle, Reflector and Trim	74P = White Eyeball and Trim	173P = Fresnel Glass Lens, White Trim 173PS = Fresnel Glass Lens, White Plastic Trim, Showerlight, AIR-TITE
 30SBAT Reflector, Self-flange OD: 7-1/4" [184mm]	 310 Coilex® Baffle OD: 7-1/4" [184mm]	 76 PAR38 Gimbal 30° Tilt, Self-flange OD: 8" [203mm]	 6145 Open Wet Location, Shallow Reflector, Self-flange - Showerlight* OD: 7-3/4" [197mm]
30SBAT = Black Specular Reflector, Self-flange	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	76P = White Gimbal and Trim	6145WH = White Reflector and Trim 6145SN = Satin Nickel Reflector and Trim 6145TBZ = Tuscan Bronze Reflector and Trim
 404 Specular Reflector OD: 7-1/4" [184mm]	 312 Coilex® Baffle OD: 7-1/4" [184mm]	 78 BR/PAR30 Eyeball 30° Tilt, Self-flange OD: 8" [203mm]	 6146 Open Wet Location, Full Reflector, Self-flange - Showerlight* OD: 7-3/4" [197mm]
404C = Clear Specular Reflector, White Trim 404H = Haze Reflector, White Trim 404SN = Satin Nickel Reflector and Trim 404TBZ = Tuscan Bronze Reflector and Trim	312W = White Coilex Baffle and Trim 312P = Black Coilex Baffle, White Trim	78P = White Eyeball and Trim 78PAT = White Eyeball and Trim, AIR-TITE 78SN = Satin Nickel Eyeball and Trim 78TBZ = Tuscan Bronze Eyeball and Trim	6146WH = White Reflector and Trim 6146SN = Satin Nickel Reflector and Trim 6146TBZ = Tuscan Bronze Reflector and Trim
 426 Reflector Cone OD: 7-1/4" [184mm]	 353 Metal Baffle OD: 7-1/4" [184mm]	 376 PAR30 Regressed Gimbal OD: 7-1/4" [184mm]	 6150 Frost Dome Glass Lens, Self-flange OD: 7-3/4" [197mm]
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	353SN = Satin Nickel Baffle and Trim 353TBZ = Tuscan Bronze Baffle and Trim	376W = White Baffle and Trim 376P = Black Baffle and White Trim	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
 429 Dayform White Cone OD: 7-1/4" [184mm]	 6100 Tapered Metal Baffle with (2) Trim Rings OD: 7-1/8" [181mm]	 378 PAR30 Regressed Gimbal with Splay 25° Tilt, Self-flange OD: 7-1/4" [184mm]	 6162 Drop Opal Plastic Lens, Self-flange - Showerlight OD: 7-3/4" [197mm]
429P = White Reflector and Trim	6100WB = White Baffle, Narrow and Wide White 6100BB = Black Baffle, Narrow and Wide White Trims (included)	378P = White Splay and Trim 378 = Clear Specular Splay and White Trim	6162WH = Drop Opal Plastic Lens with Reflector, White Plastic Trim 6162 Drop Opal Plastic Lens, Self-flange -
 4041 White Reflector, Self-flange OD: 7-1/4" [184mm]	 6101 Straight Metal Baffle with (2) Trim Rings OD: 7-1/8" [181mm]	 420 BR/PAR30 Regressed Eyeball 30° Tilt, Self-flange OD: 7-1/4" [184mm]	 6230 Squirrel Frost Glass Lens, Metal Trim - Showerlight OD: 7-1/4" [183mm]
4041P = White Reflector and Trim	6101WB = White Baffle, Narrow and Wide White Trims (included) 6101BB = Black Baffle, Narrow and Wide White Trims (included)	420W = White Eyeball, Baffle and Trim 420P = White Eyeball, Black Baffle, White Trim	6230AH = Frost Glass Lens, Aluminum Haze Squirrel Trim 6230PN = Frost Glass Lens, Polished Nickel Squirrel Trim 6230SN = Frost Glass Lens, Satin Nickel Squirrel Trim 6230TBZ = Frost Glass Lens, Tuscan Bronze Squirrel Trim
 4261 White Reflector Cone, Self-flange OD: 7-1/4" [184mm]	 6102 Tapered Metal Baffle, Self-flange OD: 7-3/4" [197mm]	 478 PAR38 Adjustable Regressed Gimbal with Splay 25° Tilt, Self-flange OD: 7-1/4" [184mm]	 6255 Soft Square, Frost Curve Glass Lens, Self-flange - Showerlight OD: 7-1/4" [183mm]
4261P = White Reflector and Trim	6102WB = White Baffle and Trim 6102BB = Black Baffle, White Trim	478P = White Splay and Trim	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

Trims continued

Reflectors	Baffles	Adjustables	Open, Splay & Wall Wash
 <p>6106 Straight Reflector Cone, Self-flange OD: 7-3/4" [197mm]</p> <p>6106SC = Specular Reflector, White Trim</p>	 <p>6103 Straight Metal Baffle, Self-flange OD: 7-3/4" [197mm]</p> <p>6103WB = White Baffle and Trim 6103BB = Black Baffle, White Trim</p>	 <p>6130 BR/PAR30 Eyeball 35° Tilt, Self-flange OD: 7-3/4" [197mm]</p> <p>6130WH = White Eyeball and Trim</p>	 <p>300 Open Trim with Fixed Socket Bracket, Self-flange OD: 7-1/4" [183mm]</p> <p>300P = Self-flange with White Open Trim 300SN = Self-flange with Satin Nickel Open Trim 300TBZ = Self-flange with Tuscan Bronze Open Trim</p>
 <p>6107 Tapered Reflector, Self-flange OD: 7-3/4" [197mm]</p> <p>6107SC = Specular Reflector, White Trim</p>	 <p>6108 Coilex® Straight Plastic Baffle, Self-flange OD: 7-3/4" [197mm]</p> <p>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>6170 PAR38 Gimbal 25° Tilt, Self-flange OD: 7-3/4" [197mm]</p> <p>6170WH = White Gimbal and Trim 6170BK = Black Gimbal and Trim 6170SN = Satin Nickel Gimbal and Trim 6170TBZ = Tuscan Bronze Gimbal and Trim</p>	 <p>327 White Splay Trim with Fixed Socket Bracket, Self-flange OD: 7-3/4" [197mm]</p> <p>327P = White Splay Trim with Socket Bracket</p>
 <p>6120 Full Cone Reflector, Self-flange OD: 7-3/4" [197mm]</p> <p>6120WH = White Reflector and Trim 6120SN = Satin Nickel Reflector and Trim 6120TBZ = Tuscan Bronze Reflector and Trim</p>	 <p>6109 Coilex® Tapered Baffle, Self-flange OD: 7-3/4" [197mm]</p> <p>6109WB = White Tapered Coilex Baffle, White Trim 6109BB = Black Tapered Coilex Baffle, White Trim 6109BKBB = Black Tapered Coilex Baffle, Black Trim</p>	 <p>6215 PAR30 Double Gimbal 35°-50° Tilt, Self-flange OD: 7-3/4" [197mm]</p> <p>6215WH = White Gimbal and Trim 6215BK = Black Gimbal and Trim 6215SN = Satin Nickel Gimbal and Trim 6215TBZ = Tuscan Bronze Gimbal and Trim</p>	 <p>328 White Splay Trim OD: 7-3/4" [197mm]</p> <p>328P = White Splay Trim</p>
 <p>6121 Shallow Full Cone Reflector, Self-flange OD: 7-3/4" [197mm]</p> <p>6121WH = White Reflector and Trim</p>	 <p>6110 Perfex Baffle, Self-flange OD: 7-3/4" [197mm]</p> <p>6110WB = White Perfex Baffle and Trim 6110BB = Black Perfex Baffle, White Trim 6110BKBB = Black Perfex Baffle and Trim</p>	 <p>6222 Regressed PAR30 Adjustable 45° Tilt, Self-flange OD: 7-3/4" [197mm]</p> <p>6222WB = White Baffle and Trim 6222BB = Black Baffle and Trim 6222SC = Specular Clear Reflector, White Trim 6222H = Haze Reflector, White Trim</p>	 <p>430 Wall Wash with Baffle & Full Reflector OD: 7-1/4" [183mm]</p> <p>430W = White Baffle, with Upper Reflector, White Trim 430P = Black Baffle, with Upper Reflector, White Trim</p>
	 <p>6125 Full Cone Baffle, Self-flange OD: 7-3/4" [197mm]</p> <p>6125WB = White Baffle and Trim 6125BB = Black Baffle, White Trim 6125BKBB = Black Baffle and Trim</p>		
	 <p>6126 Shallow Full Cone Baffle, Self-flange OD: 7-3/4" [197mm]</p> <p>6126WB = White Baffle and Trim 6126BB = Black Baffle, White Trim</p>		

Product Specifications

Housing

- Single wall aluminum construction
- Precision rolled interlocking collar maintains aperture geometry for greater assurance of installation results
- Exclusive AIR-TITE™ gasket meets code where required; Seals between housing, frame and finished ceiling (without need for additional caulk)
- May be removed from the plaster frame to provide access to junction box
- Designed for insulated ceilings in direct contact with insulation (may also be installed in non-insulated ceilings)

Socket Plate

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

Socket

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

Plaster Frame

- Housing adjusts in plaster frame to accommodate 3/8" to 1" ceiling thickness
- Galvanized steel construction
- Two regressed locking screw for securing hanger bars

Slide-N-Side™ Repositioning Junction Box

- Hinged and captive door for easy access
- Repositionable J-box can be moved to alternate side of frame to avoid obstructions
- Four 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
- Four 1/2" conduit pry-outs accommodate straight conduit runs
- cULus Listed compact 16 in³ box volume; listed for maximum ten No. 12 AWG or fourteen No. 14 AWG 90° C splice conductors in the box

Quick Connect™ Push Wire Nuts

- Three 4-port push-in wire nuts included
- Speeds installation and increases reliability
- Simply strip and insert supply wires
- No additional wire nuts required

ALL-NAIL! Bar Hangers

- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams
- Mini foot levelling flange aligns the housing to the bottom of the joist
- Integral T-bar clip snaps on to T-bars (no additional clips are required)
- Additional screw points provided for securing to grid where required by code

q-Channel bars with Pass-N-Thru™

- Unique inverted "q" interlocking channel for rigidity and stability
- Housing positions at any point within 24" joist span
- 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 hole break points to shorten
- Bar hangers need not be removed from frame for shortening

Universal Locking Screw

- Two locking screw accessible from below the ceiling
- Universal screw head (hex, slot or Phillips)

Thermal Protector

- Self-resetting
- 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, compact fluorescent and LED

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*
 - Certified under ASTM E283
 - RoHS compliant
 - AIR-TITE™ code compliant; Not exceeding 2.0 cfm (0.944 L/s) air leakage rate tested at a 1.57 psf (75 Pa) pressure differential
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- *Not to be used in direct contact with spray foam insulation (consult NEMA LSD57-2013)