

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
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- Product Warranty

### Product Certification



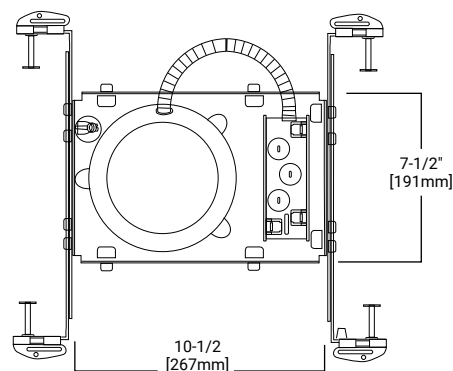
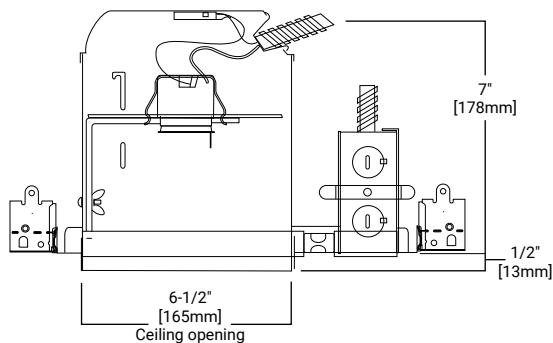
### Product Features



### 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
Domestic Preferences <sup>(1)</sup>	Housing
<b>[Blank]</b> =Standard <b>TAA</b> =Trade Agreements Act	<b>E7ICAT</b> = 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 <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	

## Trims

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

## Trims continued

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

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