

## Description

The E71CAT is a compact and efficient recessed housing optimized and listed for EISA compliant tungsten-halogen, CFL and LED lamps as well as incandescent. Housing is suitable for residential or light commercial applications. For installation in insulated ceilings\* and non-insulated ceilings with airtight code compliant construction. Use with a variety of trims and finishes to create different lighting effects or to match any decor. May be retrofit with compatible HALO LED lighting systems.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## Specification Features

### Housing

- Single wall die-formed aluminum housing
- Housing features a precision rolled interlocking collar which maintains aperture geometry for greater assurance of installation results
- Integral Air-Tite gasket for code-required gasket between fixture and finished ceiling - seals aperture without need for additional caulk
- May be removed from the plaster frame to provide access to junction box

### 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

- Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 3/8" - 1" ceiling thickness
- (2) Regressed locking screws for securing hanger bars
- Integral Air-Tite gasket seals housing and meets code-required gasket between fixture and finished ceiling

### Includes:

#### Bar Hangers

#### All Nail!™

- Integral precisely positioned nail for engineered and natural framing
- Mini-foot leveling flange
- Integral T-Grid Clip, no accessory clips required

#### q-Channel bars with Pass-N-Thru™

- 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

### Hinged junction box w/ Slide-N-Side™

- (3) Slide-N-Side™ Non-Metallic (NM) wire traps, allow wiring outside the box
- For 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian
- (4) 1/2" conduit pry-outs
- Hinged door for easy access
- Box is repositionable 90° on frame to avoid obstructions

### Quick Connect™

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

### cULus Listed

- Compact 16 in³ volume
- Listed for max. (10) No. 12 AWG or (14) No. 14 AWG 90° C splice conductors in box

### Air-Tite™ code compliant

- Certified under ASTM E283
- Exclusive gasket seals aperture, frame & ceiling
- No additional caulk required

### Socket

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

### Thermal Protector

- Self resetting thermal protector deactivates fixture if overheating occurs due to improper lamping

### 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\*
- 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)



## E71CAT

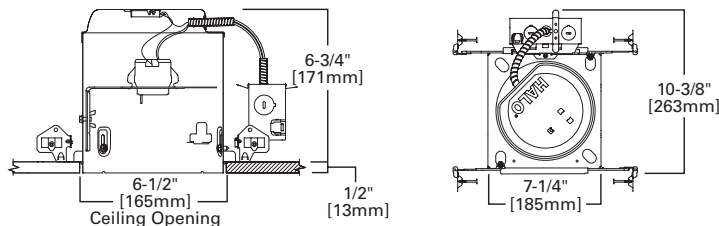
**6" IC, Air-Tite,  
New Construction Housing**

**E26 Screw base housing**

**FOR USE IN INSULATED  
CEILINGS**

**FOR DIRECT CONTACT  
WITH INSULATION\***

## Dimensions



## Special Features

All-Nail!™ bar hangers  
 q-Channel bars with Pass-N-Thru™  
 Hinged J-Box with Slide-N-Side™  
 Quick Connect™ push wire nuts  
 Air-Tite™ code compliant

## Ordering Information






































Sample Number: E7ICAT 6110WB

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

### Housing

E7ICAT = 6" insulated ceiling, airtight recessed housing, new construction, 120V

### Trims

 <b>30 Reflector, Self-flange</b> OD: 7-1/4" [184mm] <b>30HAT</b> =Haze Reflector, White Trim <b>30RGAT</b> =Residential Gold Reflector, White Trim <b>30CAT</b> =Clear Specular Reflector, White Trim	 <b>312 Coilex® Baffle</b> OD: 7-1/4" [184mm] <b>312W</b> =White Coilex Baffle and Trim <b>312P</b> =Black Coilex Baffle, White Trim	 <b>78 BR/PAR30 Eyeball 30° Tilt, Self-flange</b> OD: 8" [203mm] <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
 <b>30SBAT Reflector, Self-flange</b> OD: 7-1/4" [184mm] <b>30SBAT</b> =Black Specular Reflector, Self-flange	 <b>353 Metal Baffle</b> OD: 7-1/4" [184mm] <b>353SN</b> =Satin Nickel Baffle and Trim <b>353TBZ</b> =Tuscan Bronze Baffle and Trim	 <b>376 PAR30 Regressed Gimbal 30° Tilt, Self-flange</b> OD: 7-1/4" [184mm] <b>376W</b> =White Baffle and Trim <b>376P</b> =Black Baffle and White Trim
 <b>404 Specular Reflector</b> OD: 7-1/4" [184mm] <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	 <b>6100 Tapered Metal Baffle with (2) Trim Rings</b> OD: 7-1/8" [181mm] <b>6100WB</b> =White Baffle, Narrow and Wide White Trims (included) <b>6100BB</b> =Black Baffle, Narrow and Wide White Trims (included)	 <b>378 PAR30 Regressed Gimbal with Splay 25° Tilt, Self-flange</b> OD: 7-1/4" [184mm] <b>378P</b> =White Splay and Trim <b>378C</b> =Clear Specular Splay and White Trim
 <b>426 Reflector Cone</b> OD: 7-1/4" [184mm] <b>426C</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	 <b>6101 Straight Metal Baffle with (2) Trim Rings</b> OD: 7-1/8" [181mm] <b>6101WB</b> =White Baffle, Narrow and Wide White Trims (included) <b>6101BB</b> =Black Baffle, Narrow and Wide White Trims (included)	 <b>420 BR/PAR30 Regressed Eyeball 30° Tilt, Self-flange</b> OD: 7-1/4" [184mm] <b>420W</b> =White Eyeball, Baffle and Trim <b>420P</b> =White Eyeball, Black Baffle, White Trim
 <b>429 Dayform White Cone</b> OD: 7-1/4" [184mm] <b>429P</b> =White Reflector and Trim	 <b>6102 Tapered Metal Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6102WB</b> =White Baffle and Trim <b>6102BB</b> =Black Baffle, White Trim	 <b>478 PAR38 Adjustable Regressed Gimbal with Splay 25° Tilt, Self-flange</b> OD: 7-1/4" [184mm] <b>478P</b> =White Splay and Trim
 <b>4041 White Reflector, Self-flange</b> OD: 7-1/4" [184mm] <b>4041P</b> =White Reflector and Trim	 <b>6103 Straight Metal Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6103WB</b> =White Baffle and Trim <b>6103BB</b> =Black Baffle, White Trim	 <b>6130 BR/PAR30 Eyeball 35° Tilt, Self-flange</b> OD: 7-3/4" [197mm] <b>6130WH</b> =White Eyeball and Trim
 <b>4261 White Reflector Cone, Self-flange</b> OD: 7-1/4" [184mm] <b>4261P</b> =White Reflector and Trim	 <b>6108 Coilex® Straight Plastic Baffle, Self-flange</b> OD: 7-3/4" [197mm] <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	 <b>6170 PAR38 Gimbal 25° Tilt, Self-flange</b> OD: 7-3/4" [197mm] <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
 <b>6106 Straight Reflector Cone, Self-flange</b> OD: 7-3/4" [197mm] <b>6106SC</b> =Specular Reflector, White Trim	 <b>6109 Coilex® Tapered Baffle, Self-flange</b> OD: 7-3/4" [197mm] <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	 <b>6215 PAR30 Double Gimbal 35°-50° Tilt, Self-flange</b> OD: 7-3/4" [197mm] <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
 <b>6107 Tapered Reflector, Self-flange</b> OD: 7-3/4" [197mm] <b>6107SC</b> =Specular Reflector, White Trim	 <b>6110 Pertex Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6110WB</b> =White Pertex Baffle and Trim <b>6110BB</b> =Black Pertex Baffle, White Trim <b>6110BKBB</b> =Black Pertex Baffle and Trim	 <b>6222 Regressed PAR30 Adjustable 45° Tilt, Self-flange</b> OD: 7-3/4" [197mm] <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
 <b>6120 Full Cone Reflector, Self-flange</b> OD: 7-3/4" [197mm] <b>6120WH</b> =White Reflector and Trim <b>6120SN</b> =Satin Nickel Reflector and Trim <b>6120TBZ</b> =Tuscan Bronze Reflector and Trim	 <b>6125 Full Cone Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6125WB</b> =White Baffle and Trim <b>6125BB</b> =Black Baffle, White Trim <b>6125BKBB</b> =Black Baffle and Trim	 <b>170 Albalite Lens with Reflector</b> OD: 8" [203mm] <b>170P</b> =Frosted Albalite Glass Lens, White Trim <b>170PS</b> =Frosted Albalite Glass Lens, White Plastic Trim, Showerlight, Air-Tite
 <b>6121 Shallow Full Cone Reflector, Self-flange</b> OD: 7-3/4" [197mm] <b>6121WH</b> =White Reflector and Trim	 <b>6126 Shallow Full Cone Baffle, Self-flange</b> OD: 7-3/4" [197mm] <b>6126WB</b> =White Baffle and Trim <b>6126BB</b> =Black Baffle, White Trim	 <b>171 Drop Opal Lens with Reflector</b> OD: 8" [203mm] <b>171P</b> =Drop Opal Glass Lens, White Trim <b>171PS</b> =Drop Opal Glass Lens, White Plastic Trim, Showerlight, Air-Tite
<b>Baffles</b>  <b>30 Baffle, Self-flange</b> OD: 7-1/4" [184mm] <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	<b>Adjustable - Eyeballs &amp; Gimbals</b>  <b>74 PAR30 Eyeball 30° Tilt, Self-flange</b> OD: 8" [203mm] <b>74P</b> =White Eyeball and Trim  <b>76 PAR38 Gimbal 30° Tilt, Self-flange</b> OD: 8" [203mm] <b>76P</b> =White Gimbal and Trim	<b>Lenses &amp; Wet Location Showerlights</b>  <b>172 Dome Lens with Reflector</b> OD: 7-3/4" [197mm] <b>172PS</b> =Frosted Glass Dome, White Plastic Trim <b>172SNS</b> =Frosted Glass Dome, Satin Nickel Plastic Trim <b>172TBZS</b> =Frosted Glass Dome, Tuscan Bronze Plastic Trim

continued

\*Outdoor rated lamp only (purchase separately)

## Ordering Information

**Sample Number:** E7ICAT 6110WB

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## Housing

**E7ICAT** = 6" insulated ceiling, airtight recessed housing, new construction, 120V

## Trims

### Lenses & Wet Location Showerlights



#### **173 Fresnel Lens with Reflector**

OD: 8" [203mm]

**173P**=Fresnel Glass Lens, White Trim

**173PS**=Fresnel Glass Lens, White Plastic Trim,  
Showerlight, Air-Tite



#### **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



#### **6146 Open Wet Location, Full Reflector, Self-flange - Showerlight\***

OD: 7-3/4" [197mm]

**6146WH**=White Reflector and Trim

**6146SN**=Satin Nickel Reflector and Trim

**6146TBZ**=Tuscan Bronze Reflector and Trim



#### **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

**6150TBZ**=Frost Dome Glass Lens with Reflector,  
Tuscan Bronze Plastic Trim



#### **6162 Drop Opal Plastic Lens, Self-flange - Showerlight**

OD: 7-3/4" [197mm]

**6162WH**=Drop Opal Plastic Lens with Reflector,  
White Plastic Trim



#### **6230 Squirrel Frost Glass Lens, Metal Trim - Showerlight**

OD: 7-1/4" [183mm]

**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



#### **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

**6255TBZ**=Frost Curve Glass Lens with Reflector,  
Tuscan Bronze Plastic Trim

### 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



#### **327 White Splay Trim with Fixed Socket Bracket, Self-flange**

OD: 7-3/4" [197mm]

**327P**=White Splay Trim with Socket Bracket



#### **328 White Splay Trim**

OD: 7-3/4" [197mm]

**328P**=White Splay Trim



#### **430 Wall Wash with Baffle & Full Reflector**

OD: 7-1/4" [183mm]

**430W**=White Baffle, with Upper Reflector,  
White Trim

**430P**=Black Baffle, with Upper Reflector,  
White Trim

\*Outdoor rated lamp only (purchase separately)