HALO®

Description

The H750ICAT is a LED new construction housing to be used with compatible Halo LED modules and trims. The H750ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation*. The Air-Tite™ housing design restricts airflow between conditioned spaces and unconditioned areas. The H750ICAT connector system provides high efficacy code compliance when used with a Halo LED lighting systems.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Specification Features

Housing
- Single wall aluminum housing
- Openings are gasketed for Air-Tite™ ready installation
- Designed for insulated ceilings in direct contact with insulation* (May also be installed in non-insulated ceilings)

Plaster Frame
- Galvanized steel die-formed construction
- Housing adjusts in plaster frame to accommodate up to 1″ ceiling thickness
- 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

Got Nail!™ Bar Hanger Bracket
Bar Hanger Features include:
- Pre-installed nail easily installs 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

Air-Tite™ code compliant

LED Module Connection
- Halo LED modules install with a plug-in 120V/277V rated line voltage wiring connector (UL and CSA Listed luminaire disconnect)
- This non-screw base connection preserves the high efficacy rating and prevents use of low efficacy sources (see LED module specifications)

Application Note
LED connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician

Compliance
- cULus Listed 1598 luminaire
- cULus Listed for feed through
- cULus Listed for 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.
- Rated for 20W maximum
- CE Marking - "Conformité Européene" conformity with the Council of European Communities Directives, meeting internationally recognized compliance with used with ML56 series LED modules
- Use with designated HALO LED systems for ENERGY STAR® certification
- Can be used for State of California Title 24 high efficacy compliance with Title 20 Certified Halo LED
- Can be used for International Energy Conservation Code (IECC) high efficacy compliance with designated Halo LED modules and trims
- Refer to specification sheets online for additional compliance information
- RoHS compliant
- Options to meet Trade Agreements Act requirements

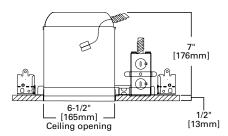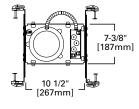*Not to be used in direct contact with spray foam insulation (Consult NEMA LSD57-2013)

H750ICAT

6″ ICAT, Air-Tite, New Construction, LED Housing,120V/277V

FOR USE IN INSULATED CEILINGS

FOR DIRECT CONTACT WITH INSULATION*

Dimensions

7" [176mm]
6-1/2" [165mm] Ceiling opening
1/2" [13mm]
7-3/8" [187mm]
10 1/2" [267mm]

COOPER
Lighting Solutions

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: H750ICAT - ML5606930 - 693WB
Order housing, LED module, and trim separately.

[Blank] = Standard
TAA = Trade Agreements Act

Housing

H750ICAT H750ICAT = 6" IC, Air-Tite, New Construction, LED Housing

ML56 with 69x Series Trims

ML56 LED Light Modules

600 Series / 80 CRI
ML5606827= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 2700K
ML5606830= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3000K
ML5606835= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3500K
ML5606840= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 4000K

600 Series / 90 CRI
ML5606927= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 2700K
ML5606930= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3000K
ML5606935= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3500K
ML5606940= 5"/6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 4000K

900 Series / 80 CRI
ML5609827= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 2700K
ML5609830= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3000K
ML5609835= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3500K
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ML5609940= 5"/6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 4000K

1200 Series / 80 CRI
ML5612827= 5"/6" LED Light Module, 1200 lumen, 80CRI, 2700K
ML5612830= 5"/6" LED Light Module, 1200 lumen, 80CRI, 3000K
ML5612835= 5"/6" LED Light Module, 1200 lumen, 80CRI, 3500K
ML5612840= 5"/6" LED Light Module, 1200 lumen, 80CRI, 4000K

1200 Series / 90 CRI
ML5612927= 5"/6" LED Light Module, 1200 lumen, 90CRI, 2700K
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ML5612940= 5"/6" LED Light Module, 1200 lumen, 90CRI, 4000K

ML56 LED 5" Trims

690 Series - 6" LED Trims
Non-Conductive "Dead Front" Baffles
691WB=6" LED Trim, Polymer "Dead-Front", Shallow White Baffle & Flange (For use with 600 Series LED Light Modules only)

Reflectors
692SC=6" LED Downlight Trim, Specular Reflector & White Flange
692H=6" LED Downlight Trim, Haze Reflector & White Flange
692W=6" LED Downlight Trim, White Reflector & Flange

Baffles
693WB=6" LED Downlight Trim, White Micro-Step Baffle & Flange
693BB=6" LED Downlight Trim, Black Micro-Step Baffle & Flange
693SNB=6" LED Downlight Trim, Satin Nickel Micro-Step Baffle & Flange
693TBZB=6" LED Downlight Trim, Tuscan Bronze Micro-Step Baffle & Flange

Semi-Regressed Eyeballs
694WB=6" LED Directional Trim, White Eyeball, Baffle & Flange
694SNB=6" LED Directional Trim, Satin Nickel Eyeball, Baffle & Flange
694TBZB=6" LED Directional Trim, Tuscan Bronze Eyeball, Baffle & Flange

Wall Wash
695WW=6" LED Downlight Trim, Wall Wash with Specular Kick Reflector & White Flange

Shallow Baffle
696WB=6" LED Trim, White Shallow Baffle & Flange

ML56 System Accessories

ML56CLIP= 6" Friction Clip Kit - For use with non-torsion spring housings. 6" clips included.
WW6955C= Wall Wash Insert - Specular Kick Reflector for 695WW (1 included with trim). For double wall washing or replacement.
TRM690WH= 6" LED Oversize Trim Ring for use with 59* series trims, White 6.9" I.D., 9.5" O.D. Ring slips over LED trim. Inset design allows 6" trim to fit into oversize ring for an even trim surface
EBA560PK= Replacement screwbase adapter to LED disconnect with cap

ML56-1200 Series Beam Forming Optic Media
BFR56NFL=Beam forming reflector kit, narrow flood, 25° nominal
BFR56MH=Media holder, accepts one 3.45" lens. Requires BFR56NFL & L345SF, order separately.
L345SF=3.45" diameter soft focus lens. Requires BFR56NFL and BFR56MH, order separately.

Ordering Information

The H750ICAT housing may also be used with Halo LED Modules and Surface LED.
LED Modules:
For retrofit, remodel, and new construction
RA56
RL56
LT56
SLD6

For details and ordering information refer to product specifications at www.eaton.com/lighting.

[Blank] = Standard
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Accessories [1]

Designer Trim Rings

RL56
RL56TRMSN = Satin Nickel
RL56TRMTBZ = Tuscan Bronze
RL56TRMWH = White Metal (Paintable)
SLD6s
SLD6TRMSN = Satin Nickel
SLD6TRMTBZ = Tuscan Bronze
SLD6TRMWH = White Metal (Paintable)