

DESCRIPTION

The H270ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation. This AIR-TITE™ housing design prevents airflow between attic and living areas and saves on both heating and air conditioning costs. The 13W electronic compact fluorescent ballast meets FCC Title 47 CFR part 18 for Consumer equipment. The H270ICAT offers a wide choice of trim types including reflector, lensed and wall wash trims.

Catalog #		Type
Project		
Comments		Date
Prepared by		

DESIGN FEATURES

Housing

Single wall aluminum housing. Openings are gasketed for AIR-TITE installation. 7-3/8" height allows use in 2"x8" joist construction. Housing adjusts for ceilings up to 1-1/8" thick. AIR-TITE ceiling-to-housing installation gasket included.

Plaster Frame

Includes regressed locking screw for hanger bars and cutouts for crimping hanger bars in position.

Junction Box

- Listed for through branch circuit wiring
- Positioned to accommodate straight conduit runs
- Seven 1/2" trade size conduit knockouts with true pry-out slots
- Slide-N-Side™ connectors allow non-metallic sheathed cable to be installed without tools and without removing knockouts. Accepts a wider range of non-metallic sheathed cable – the standard cable types used in lighting for both U.S. and Canada.
- 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

Bar Hangers

Bar Hanger Features include:

- Pre-installed nail easily 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 levelling flange aligns the housing and lets you hold the housing in place with one hand while driving nails
- Housing can be positioned at any point within 24" joist span
- Score lines allow "tool-less" shortening for 12" joists
- Bar hangers may be repositioned 90°
- Bar hangers do not need to be removed from frame for shortening
- Integral T-bar clips snaps onto Tbars - no additional clips required

Socket

G24q-1/GX24-1 socket for one 13W DTT - Double Twin Tube (Quad) or 13W TTT - Triple Twin Tube 4 pin lamp.

Lamp

Compact Fluorescent lamp (by others).
Generic 13 Watt Lamp Designations
DTT-Double Twin Tube (Quad) (CFQ)
• CFQ13W/G24q 2700K
• CFQ13W/G24q 3000K
TTT-Triple Twin Tube (CFTR)
• CFTR13W/GX24q 2700K
• CFTR13W/GX24q 3000K
• 12,000 hour rated average life

- 82 CRI rated lamps provide excellent color and high visual comfort.
- Color temperature (warm to cool) options offer 2700K warm or 3000K medium-warm incandescent-like light.

Electronic Ballast

Thermally protected, fused, 120 volt electronic ballast provides full light output and rated lamp life. Provides flicker free and noise free operation and starting. End of lamp life protection is standard. Meets FCC EMI/RFI Consumer Level limits.

Labels

- UL/cUL Listed for Damp Location
- UL/cUL Listed wet location with select trims
- UL/cUL Listed for Direct Contact with Insulation and combustible material
- UL/cUL listed for Feed Through

Compliance

- State of California Title 24
- Washington State Energy Code
- New York State Energy Conservation Construction Code
- International Energy Conservation Code
- Certified AIR-TITE under ASTM-E283



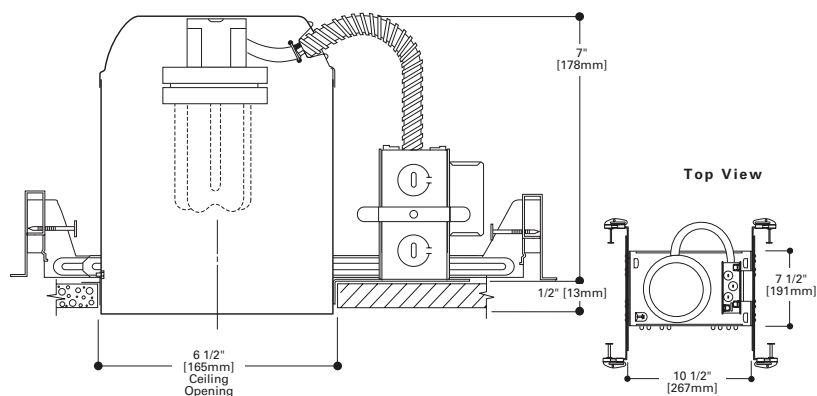
H270ICAT

**6" Insulated Ceiling
Compact Fluorescent
AIR-TITE™ Recessed
Housing
13 Watt Compact
Fluorescent**

6" TRIMS

**FOR USE IN
INSULATED CEILINGS
FOR DIRECT CONTACT
WITH INSULATION**

DIMENSIONS



Lamp/Ballast Energy Data

Rated Lamp Watts: 13W
Voltage: 120V
Input Current: 0.13A
Input Power (ANSI Watts): 16W

air-tite™

Can be used for
IECC
International Energy
Conservation Code
High Efficacy
Compliance

Can be used for
T24
California Title 24
High Efficacy
Compliance

ORDERING INFORMATION

SAMPLE NUMBER: H270ICAT - 470SC

Order housing, trim and accessories separately.

Housing

Trims

Trims

H270ICAT=Insulated Ceiling
13W Compact Fluorescent
AIR-TITE Housing



470

Reflector, White Self Flange Trim Ring**470SC**=Specular Clear**470H**=Haze**470CG**=Champagne Gold**470RG**=Residential Gold

OD: 7 1/4" (184mm)



ERT770

**Reflector, Gloss White Trim Ring,
Torsion Springs****ERT770TS**=Clear Specular Reflector**ERT770MTS**=Matte Reflector

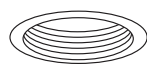
OD: 7 1/4" (184mm)



ERT771

**Gloss White Reflector with Torsion
Springs****ERT771TS**=Gloss White Reflector

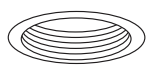
OD: 7 1/4" (184mm)



406

Coilex Baffle with Torsion Springs**406BA**=Black Baffle, White Trim Ring**406WB**=White Baffle, Clear Reflector,
White Trim Ring**406WVB**=White Baffle, White
Reflector, White Trim Ring

OD: 7 1/4" (184mm)



ERT772

Metal Baffle with Torsion Springs**ERT772TS**=Black Baffle, Gloss White
Upper Reflector, Gloss White Trim
Ring**ERT772WHTTS**=Gloss White Baffle,
Gloss White Upper Reflector, Gloss
White Trim Ring

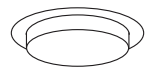
OD: 7 1/4" (184mm)



70

Albalite Lens**70P**=Albalite Lens, White Trim Ring**70PS**=Wet Location Listed Shower
Light with Albalite Lens and White
Trim Ring

OD: 8" (203mm)



271

Drop Opal Lens**271PS**=Wet Location Listed Shower
Light with Drop Opal Lens and
White Trim Ring

OD: 8" (203mm)



73

Fresnel Lens**73P**=Glass Fresnel Lens, White Trim
Ring**73PS**=Wet Location Listed with Glass
Fresnel Lens and White Trim Ring
OD: 8" (203mm)

270

Albalite Lens with Reflector**270PS**=Albalite Lens Wet Location
Listed Shower Light with Full
Reflector and White Trim Ring
OD: 8" (203mm)

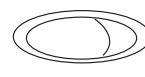
370

**Regressed Albalite Lens with
Reflector****370W**=Albalite Lens Wet
Location Listed Shower Light
with Full Reflector and White
Trim Ring
OD: 8" (203mm)

272

Dome Shower Light**272PS**= Dome Shower Light
with Full Reflector, White
Trim Ring and Frosted Glass
Dome
OD: 8" (203mm)

75

Frosted Glass Diffuser**75**=Glass Diffuser
OD: 7 3/4" (197mm)

424

Wall Wash**424P**=Wall Wash
OD: 7 1/4" (184mm)

Accessories

Accessories

Gasket Kit**GA-ATH7-6PK**=Spare AIR-TITE Ceiling
Gasket Kit, 6 pieces**Oversize Trim Rings**for use when ceiling opening is cut too
large.**OT400P**=9 1/4" White Metal**OT403P**= 8" White Plastic