# JUNO®

**Project:** _____

**Fixture Type:** _____

**Location:** _____

**Contact/Phone:** _____

# 4" LOW VOLTAGE UNIVERSAL IC NEW CONSTRUCTION HOUSING
## 50W MR16
## IC44N SERIES

## PRODUCT DESCRIPTION

IC Air-Loc® New Construction Housing with all 4" trims complies with IECC, Washington State and other state Energy Codes • Double wall construction • Energy efficient, sealed inner housing does not require separate ALG gasket **G option** provides pre-installed Air-Loc gasket on mounting frame to seal between fixture and mounting surface • Air-Loc housing stops infiltration and exfiltration of air, reducing heating and cooling costs.

## PRODUCT SPECIFICATIONS

**Lamp** One 12V, 50W MR16 lamp.

**Socket** Ceramic bi-pin socket with aluminum heat shield.

**Trims** Trim selection shown on page 3.

**Transformer** 120V to 12V 50VA thermally protected magnetic transformer mounted inside outer housing.

**Dimming** May be dimmed using dimmers specifically designed for low voltage magnetic transformers; consult factory or dimmer manufacturer for additional information.

**Labels** UL listed for through-branch wiring, damp locations and IP • Product thermally protected against improper use of lamps • Union made • UL Listed/CSA certified • Trim No. 441, 4401, 4402 and 4481 are wet location approved for covered ceiling applications.

**Testing** All reports are based on published industry procedures; field performance may differ from laboratory performance.

Specifications subject to change without notice.

## INSTALLATION

**Real Nail® Bar Hangers** Telescoping, Patented (US Patent D552,969) Real Nail 3 and Real Nail 2 systems permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Bars scored in two locations for fast, clean breaking, allowing housing installation in tight applications • Bars captive to mounting frame • Edge-mounted for extra strength • Quick-Loc slot (location identified on the mounting frame) and oversized locking set screw lock fixture in position • May be installed either perpendicular or parallel to junction box.

**Real Nail 3 Bar Hanger** Integral T-bar notch and clip secures housing in suspended ceiling grid – no accessory clips required • 24" expansion stop allows quick placement of fixture in standard grid spacing • Captive bugle-headed ring shank nail for quick one-step installation and easy removal with claw hammer for fixture relocation • Bar hanger foot contoured to align to bottom of construction joist • Alternate mounting holes included.

**Real Nail 2 Bar Hanger (S options)** Small bar hanger foot designed to install directly on strapping construction material • Features Real Nail captive nail system for quick one-step installation • G2405 accessory clips required for suspended ceiling installation.

**Junction Box** Pre-wired junction box provided with (6) ½" and (1) ¾" knockouts, (4) Non-metallic sheathed cable connectors and ground wire, U.L. listed/CSA certified for through-branch wiring, maximum 8 No. 12 AWG 90° C branch circuit conductors (3 in, 3 out) • Junction box provided with removable access plates • Knockouts equipped with pryout slots • **W options** are supplied with **push-in electrical connectors** for fast installation.

**Mounting Frame** 22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation • Pre-installed Air-Loc gasket for **G options.**
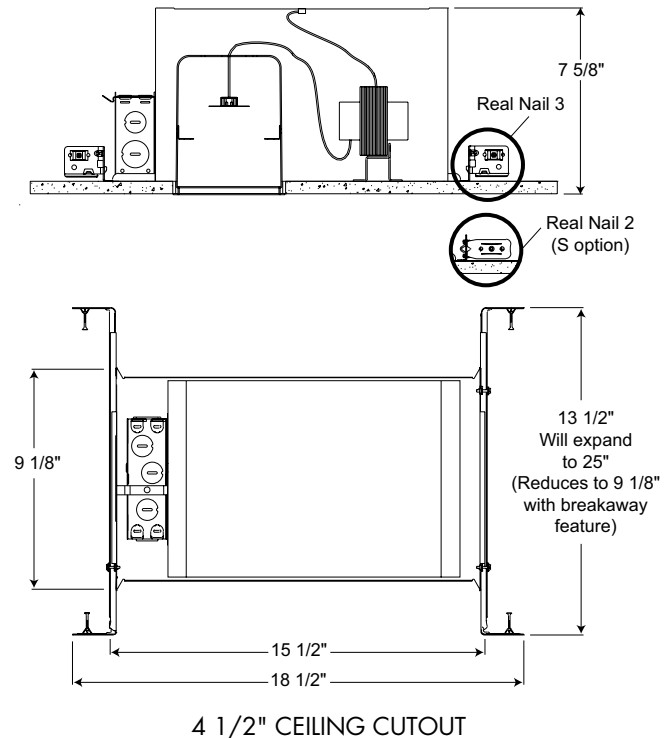
**Housing** Air-Loc IC housing, .032" aluminum • Access door for junction box accessibility • Housing is vertically adjustable to accommodate up to a 1" ceiling thickness.

## DIMENSIONS



7 5/8"

Real Nail 3

Real Nail 2 (S option)

9 1/8"

13 1/2" Will expand to 25" (Reduces to 9 1/8" with breakaway feature)

15 1/2"

18 1/2"

**4 1/2" CEILING CUTOUT**

### Accessories

| Catalog Number | Description |
|---|---|
| **4TSA** | 4" Housing Trim Adapter |
| **G2405** | T-Bar Clips (Set of 4), for S option only |

To order, specify catalog number.

**Warranty**
1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions
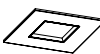
**Note**: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

## PRODUCT CODES

| Catalog Number | | Input Voltage | Lamp Rating |
|---|---|---|---|
| **IC44N** | 4" Low Voltage New Construction IC Housing | 120V | 12V 50W MR16 |
| **IC44N G** | 4" Low Voltage New Construction IC Housing with pre-installed Air-Loc gasket | 120V | 12V 50W MR16 |
| **IC44N S** | 4" Low Voltage New Construction IC Housing with smaller footprint bar hanger (Real Nail 2) | 120V | 12V 50W MR16 |
| **IC44N S G** | 4" Low Voltage New Construction IC Housing with smaller footprint bar hanger (Real Nail 2) and pre-installed Air-Loc gasket | 120V | 12V 50W MR16 |
| **IC44N W** | 4" Low Voltage New Construction IC Housing with push-in electrical connectors for fast, secure installation | 120V | 12V 50W MR16 |
| **IC44N W G** | 4" Low Voltage New Construction IC Housing with push-in electrical connectors and pre-installed Air-Loc gasket | 120V | 12V 50W MR16 |

Housing and trim can be ordered together or separate, but will always ship separately.

# 4" LOW VOLTAGE UNIVERSAL IC NEW CONSTRUCTION HOUSING
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## TRIMS/LAMPS

| Catalog Number | Description |
|---|---|
| **442 CWH** | 4" Downlight Deep Cone Trim - Clear Alzak® Cone, White Trim Ring |
| **442 GWH** | 4" Downlight Deep Cone Trim - Gold Cone, White Trim Ring |
| **442 BWH** | 4" Downlight Deep Cone Trim - Black Cone, White Trim Ring |
| **442 HZWH** | 4" Downlight Deep Cone Trim - Haze Cone, White Trim Ring |
| **442 WHZWH** | 4" Downlight Deep Cone Trim - Wheat Haze Cone, White Trim Ring |
| **443 BWH** | 4" Downlight Pinhole with Baffle Trim - Black Baffle, White Trim Ring |
| **440 WH** | 4" Adjustable Flush Gimbal Ring Trim - White |
| **440 BL** | 4" Adjustable Flush Gimbal Ring Trim - Black |
| **440 SC** | 4" Adjustable Flush Gimbal Ring Trim - Satin Chrome |
| **440 BRZ** | 4" Adjustable Flush Gimbal Ring Trim - Bronze |
| | 40˚ Vertical Adjustment |
| **444 BWH** | 4" Adjustable Baffle Downlight Trim - Black Baffle, White Trim Ring |
| **444 BSC** | 4" Adjustable Baffle Downlight Trim - Black Baffle, Satin Chrome Trim Ring |
| **444 BBRZ** | 4" Adjustable Baffle Downlight Trim - Black Baffle, Bronze Trim Ring |
| **444 BBL** | 4" Adjustable Baffle Downlight Trim - Black Baffle, Black Trim Ring |
| **444 WWH** | 4" Adjustable Baffle Downlight Trim - White Baffle, White Trim Ring |
| | 35˚ Vertical Adjustment |
| **445 WH** | 4" Adjustable Slot Aperture Trim - White |
| | 50˚ Vertical Adjustment |
| **447 CWH** | 4" Adjustable Cone Downlight Trim - Clear Alzak® Cone, White Trim Ring |
| **447 GWH** | 4" Adjustable Cone Downlight Trim - Gold Cone, White Trim Ring |
| **447 BWH** | 4" Adjustable Cone Downlight Trim - Black Cone, White Trim Ring |
| **447 PTSC** | 4" Adjustable Cone Downlight Trim - Pewter Cone, Satin Chrome Trim Ring |
| **447 HZWH** | 4" Adjustable Cone Downlight Trim - Haze Cone, White Trim Ring |
| **447 WHZWH** | 4" Adjustable Cone Downlight Trim - Wheat Haze Cone, White Trim Ring |
| **447 WHZBRZ** | 4" Adjustable Cone Downlight Trim - Wheat Haze Cone, Bronze Trim Ring |
| | 35˚ Vertical Adjustment |
| **449 WH** | 4" Adjustable Aiming Elbow Trim - White |
| **449 BL** | 4" Adjustable Aiming Elbow Trim - Black |
| **449 SC** | 4" Adjustable Aiming Elbow Trim - Satin Chrome |
| **449 BRZ** | 4" Adjustable Aiming Elbow Trim - Bronze |
| | 75˚ Vertical Adjustment |
| **441 WWH ◆** | 4" Lensed Downlight Adjustable Trim - White, White Trim Ring |
| **441 WSC ◆** | 4" Lensed Downlight Adjustable Trim - Perimeter Frosted Lens, Satin Chrome Trim Ring |
| **441 WBRZ ◆** | 4" Lensed Downlight Adjustable Trim - Perimeter Frosted Lens, Bronze Trim Ring |
| | 35˚ Vertical Adjustment |
| **446 WH** | 4" Wall Wash Adjustable Scoop Trim - White |
| | 50˚ Vertical Adjustment |

| | |
|---|---|
| **447SQ HZWH** | 4" Square Downlight Adjustable Trim - Haze, White Trim Ring |
| **447SQ BWH** | 4" Square Downlight Adjustable Trim - Black, White Trim Ring |
| **447SQ WHZWH** | 4" Square Downlight Adjustable Trim - Wheat Haze, White Trim Ring |
| | 35˚ Vertical Adjustment |
| **443SQ WH** | 4" Square Pinhole Trim - White |
| **440SQ WH** | 4" Square Flush Gimbal Trim - White |
| **440SQ BL** | 4" Square Flush Gimbal Trim - Black |
| | 35˚ Vertical Adjustment |
| **441SQ WWH ◆** | 4" Downlight Adjustable Square Lensed Trim - White, White Trim Ring |
| | 35˚ Vertical Adjustment |

Note: Lamps may be dimmed. Use dimmers specifically designed for low voltage magnetic transformers; consult factory or dimmer manufacturer for additional information. 50W MR16 maximum wattage when used with IC44N.

Trim Size: 5" O.D.

Alzak is a registered trademark of Alcoa Corp.
Note: In Canada when insulation is present, Type IC fixtures must be used.

**AIR-LOC** JUNO IC housings meet IECC Energy Code requirements per ASTM E283.

Air-Loc® rated trims are pre-gasketed for minimum air leakage with IC housings.

◆ UL Listed for use in wet location.