



# 4" LOW VOLTAGE UNIVERSAL TC NEW CONSTRUCTION HOUSING

50W MR16

TC44 SERIES

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

## PRODUCT DESCRIPTION

TC New Construction Housing design for use in non-insulated areas  
 • If installed where insulation is present, the insulation must be pulled back 3" from all sides of the TC housing.

## 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 or 277V to 12V 50VA thermally protected magnetic transformer mounted to junction box • Choose **V option** for 277V applications .

**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 or insulation  
 • 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 (5) 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 (4 in, 4 out) • Junction box provided with removable access plates • Knockouts equipped with pryout slots.

**Mounting Frame** 22-gauge die-formed galvanized steel mounting frame • 9½" L x 6¾" W, (excluding bar hangers) • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

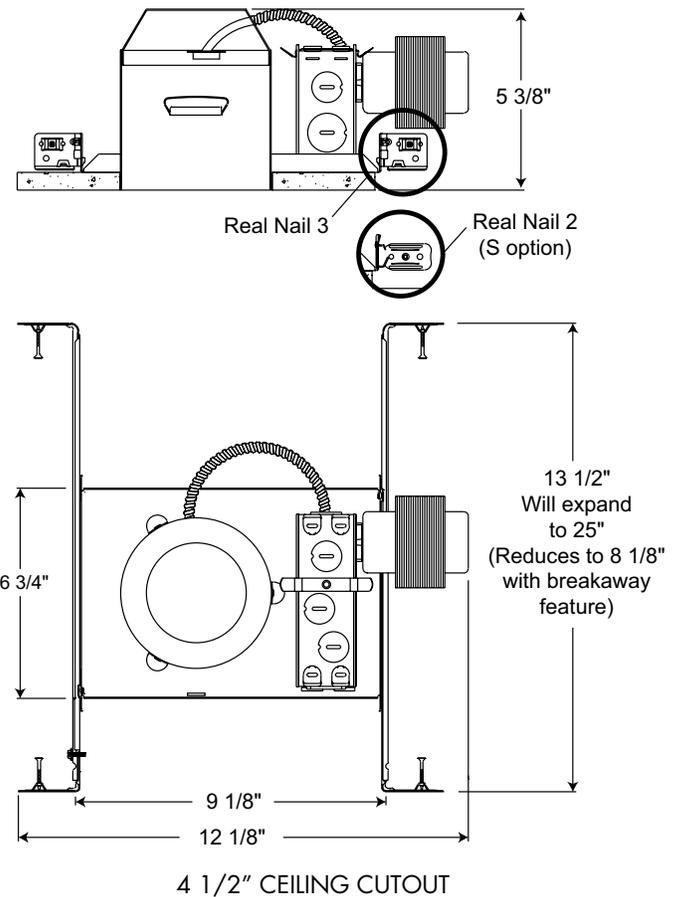
**Housing** TC housing, 22-gauge galvanized steel • Housing is vertically adjustable to accommodate up to a 1¼" ceiling thickness.

## PRODUCT CODES

Catalog Number	Input Voltage	Lamp Rating
TC44	4" Low Voltage New Construction Non-IC Housing	120V 12V 50W MR16
TC44 S	4" Low Voltage New Construction Non-IC Housing with smaller footprint bar hanger (Real Nail 2)	120V 12V 50W MR16
TC44 V	4" Low Voltage New Construction Non-IC Housing with 277V to 12V 50VA Magnetic Transformer	277V 12V 50W MR16

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

## DIMENSIONS



## 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.

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## TC44 SERIES

### TRIMS/LAMPS

Catalog Number	Description	Catalog Number	Description
 	<b>442 CWH</b> <b>442 GWH</b> <b>442 BWH</b> <b>442 HZWH</b> <b>442 WHZWH</b>	 	<b>4480 FROST</b> 4" Decorative Solid Glass Collar Trim - Frosted Glass (torsion spring attachment)
 	<b>443 BWH</b> 4" Downlight Pinhole with Baffle Trim - Black Baffle, White Trim Ring	 	<b>4481 CLEAR</b> ♦ 4" Decorative Frosted Glass Trim - Perimeter Frosted Clear Glass (torsion spring attachment)
 	<b>440 WH</b> <b>440 BL</b> <b>440 SC</b> <b>440 BRZ</b>		<b>4475Q HZWH</b> 4" Square Downlight Adjustable Trim - Haze, White Trim Ring
 	<b>444 BWH</b> <b>444 BSC</b> <b>444 BBRZ</b> <b>444 BBL</b> <b>444 WWH</b>		<b>4475Q BWH</b> 4" Square Downlight Adjustable Trim - Black, White Trim Ring
 	<b>445 WH</b> 4" Adjustable Slot Aperture Trim - White 50° Vertical Adjustment		<b>4475Q WHZWH</b> 4" Square Downlight Adjustable Trim - Wheat Haze, White Trim Ring 35° Vertical Adjustment
 	<b>447 CWH</b> <b>447 GWH</b> <b>447 BWH</b> <b>447 PTSC</b> <b>447 HZWH</b> <b>447 WHZWH</b> <b>447 WHZBRZ</b>		<b>4435Q WH</b> 4" Square Pinhole Trim - White
 	<b>448 WH</b> <b>448 SC</b>		<b>4405Q WH</b> <b>4405Q BL</b> 4" Square Flush Gimbal Trim - White 4" Square Flush Gimbal Trim - Black 35° Vertical Adjustment
 	<b>449 WH</b> <b>449 BL</b> <b>449 SC</b> <b>449 BRZ</b>		<b>4415Q WWH</b> ♦ 4" Downlight Adjustable Square Lensed Trim - White, White Trim Ring 35° Vertical Adjustment
 	<b>441 WWH</b> ♦ <b>441 WSC</b> ♦ <b>441 WBRZ</b> ♦		
 	<b>446 WH</b> 4" Wall Wash Adjustable Scoop Trim - White 50° Vertical Adjustment		
 	<b>4401 WH</b> ♦ <b>4401 SC</b> ♦ <b>4401 BRZ</b> ♦		
 	<b>4402 WH</b> ♦ <b>4402 SC</b> ♦ <b>4402 BRZ</b> ♦		
 	<b>4403 FROSTWH</b> <b>4403 FROSTSC</b>		
 	<b>4404 HZSC</b> <b>4404 WHZBRZ</b>		
 	<b>4450 MESHSC</b> 4" Decorative Glass Cylinder Trim - Mesh Glass, Satin Chrome Trim Ring		

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.

 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.