

INSTALLATION INSTRUCTION

FQ 2" LED - New Construction Millwork Housing

R2FRNM, R2FSNM



WARNING

IMPORTANT: NEVER attempt to do any work without shutting off the electricity.

- Read all instructions before installing.
- System is intended for installation by a qualified electrician in accordance with the National Electrical Code and local regulations.
- Go to the main fuse box, or circuit breaker. Place the main power switch in the "OFF" position and unscrew the fuse(s) or switch "OFF" the circuit breaker switch(es) that control the power to the fixture or room that you are working on.
- Place the wall switch in the "OFF" position.

AVERTISSEMENT

IMPORTANT: Coupez l'électricité avant TOUTE manipulation.

- Lisez toutes les instructions avant d'installer.
- Système est destiné à être installé par un électricien qualifié en conformité avec le code national de l'électricité et les règlements locaux.
- Accédez au panneau central de disjoncteurs ou de fusibles de votre demeure et placez l'interrupteur principal en position d'arrêt (« OFF »).
- Placez l'interrupteur mural en position d'arrêt (« OFF »).

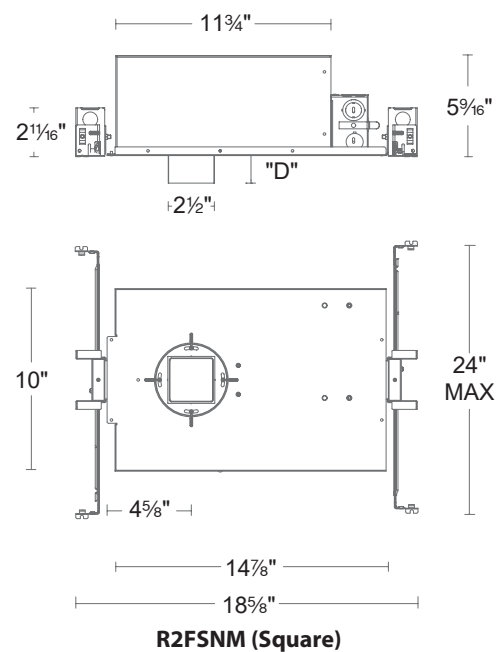
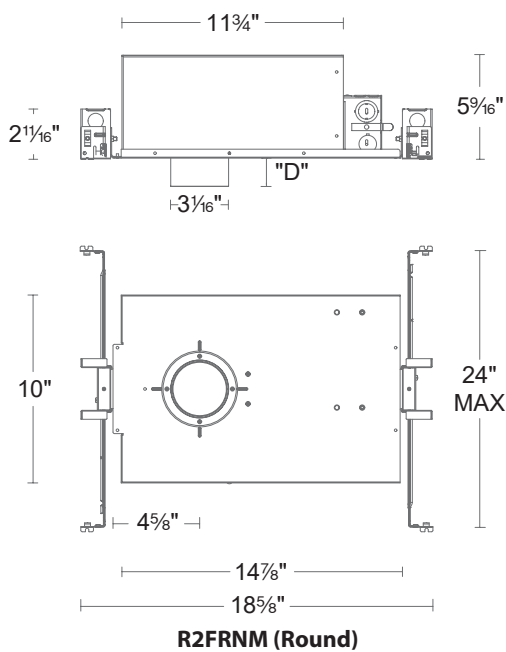
CAUTION

All parts must be used as indicated in these instructions. Do not substitute any parts, leave parts out, or use any parts that are worn out or broken. Failure to follow this instruction could invalidate the ETL/cETL listing of this fixture.

OVERVIEW:

Housing is for IC Airtight or Non-IC Airtight new construction applications (Refer to table below). Housing requires a trim for a finished look. Refer to specification sheets for compatible trim options.

OVERALL HOUSING DIMENSION



SPECIFICATIONS	
Input	120-277V, 50/60Hz
Dimming	ELV / TRIAC / 0-10V
IC Airtight Rated Model	R2FRNM-A-1, R2FRNM-A-2, R2FRNM-B-1, R2FRNM-B-2 R2FSNM-A-1, R2FSNM-A-2, R2FSNM-B-1, R2FSNM-B-2
Non-IC Airtight Model	R2FRNM-A-3, R2FRNM-B-3, R2FSNM-A-3, R2FSNM-B-3

FIXTURE DIMENSIONS	
Collar Depth - "D"	R2F*NM-A : 3/4" R2F*NM-B : 1 1/2"

Refer to the table on the next page for ceiling thickness compatibility and specification sheets for compatible trims.

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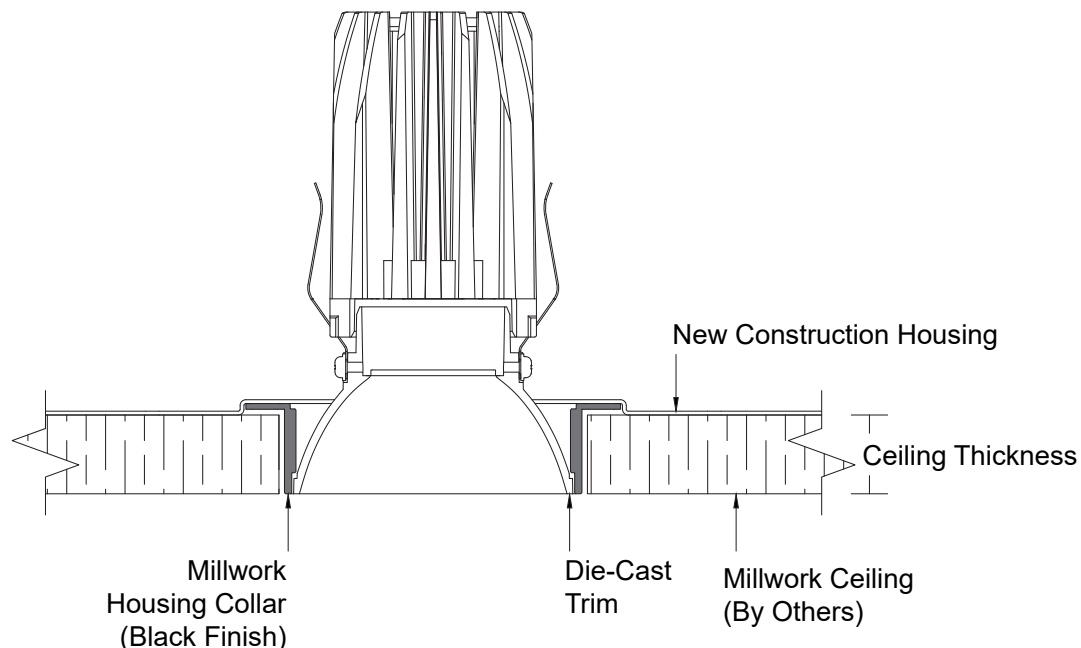
R2FRNM, R2FSNM



MILLWORK HOUSING APPLICATION TABLE FOR WOOD CEILING

Millwork Housing	Trim Model	Trim Description	Ceiling Thickness				
			1/4"	1/2"	3/4"	1"	1-1/2"
R2FRNM-A Round 1/4" to 3/4"	R2FRDL	Downlight	Yes	Yes	Yes	N/A	
	R2FRPL	Pinhole	Yes	Yes	Yes		
	R2FRAL	Adjustable	Yes, to 35°	Yes, to 35°	Yes, to 35°		
	R2FRWL	Wall Wash	Yes	Yes	Yes		
R2FRNM-B Round 3/4" to 1-1/2"	R2FRDL	Downlight	N/A		Yes	Yes	Yes
	R2FRPL	Pinhole			Yes	Yes	Yes
	R2FRAL	Adjustable			Yes, to 12°	Yes, to 12°	Yes, to 12°
	R2FRWL	Wall Wash			Yes	Yes	Yes
R2FSNM-A Square 1/4" to 3/4"	R2FSDL	Downlight	Yes	Yes	Yes	N/A	
	R2FSPL	Pinhole	Yes	Yes	Yes		
	R2FSAL	Adjustable	Yes, to 25°	Yes, to 25°	Yes, to 25°		
	R2FSWL	Wall Wash	Yes	Yes	Yes		
R2FSNM-B Square 3/4" to 1-1/2"	R2FSDL	Downlight	N/A		Yes	Yes	Yes
	R2FSPL	Pinhole			Yes	Yes	Yes
	R2FSAL	Adjustable			Yes, to 8°	Yes, to 8°	Yes, to 8°
	R2FSWL	Wall Wash			Yes	Yes	Yes

MILLWORK INSTALLATION OVERVIEW



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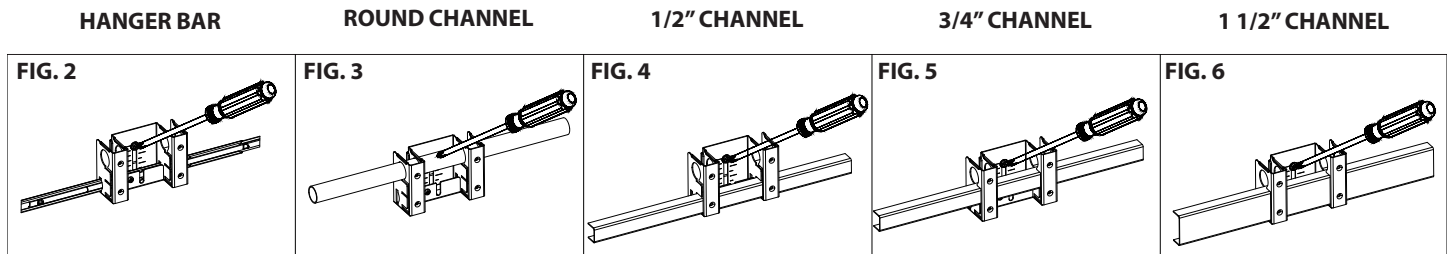
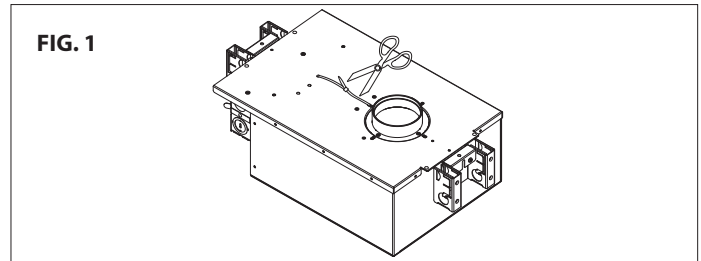
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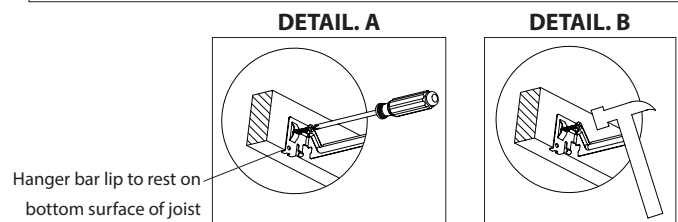
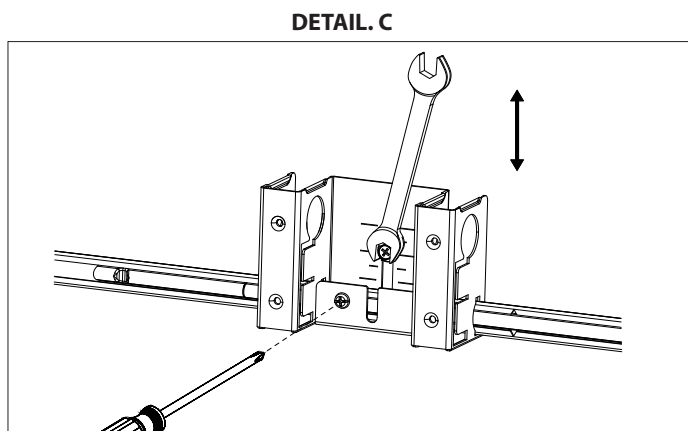
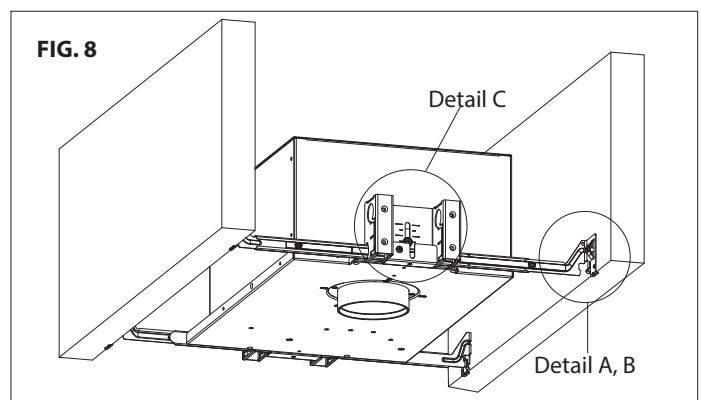
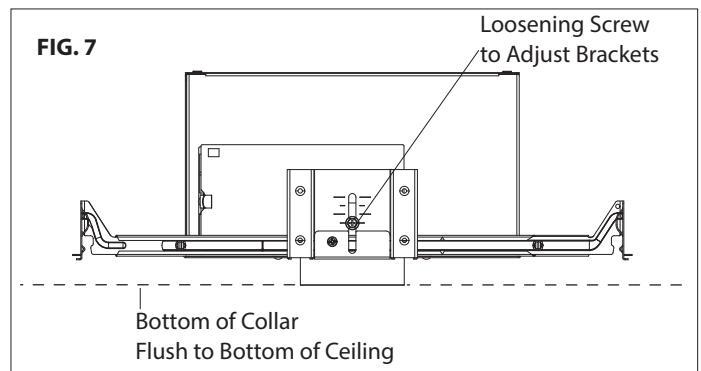


NOTE: Cut the zip tie at the bottom of the housing which secures driver during shipping (See **FIG. 1**).



MILLWORK HOUSING INSTALLATION:

- Housing features mounting brackets that can be used with hanger bars or various channel supports (See **FIG. 2-6**).
Adjust the brackets to proper height by loosening the screws such that the bottom of housing collar is flush to bottom of finished ceiling plane (See **FIG. 7**). Retighten screws securely.
- Hanger Bar Installation on Joists:**
Install the hanger bar and housing assembly such that the lip of the hanger bar rests on the bottom surface of the joist. Use a screwdriver (See **Detail. A**) or hammer (See **Detail. B**) to secure the "screw-nail" into the wood (See **FIG. 8**).
- Slide the housing along the hanger bars to the desired position (See **Detail. C**). Tighten bottom locking screws to secure the housing in place.



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4. To shorten hanger bars to fit in a 12" joist, snap off one section of the hanger bars (See **FIG. 9**).
5. Remove fixture junction box door and connect fixture wires to building wires: insert each supply wire into appropriate junction box connector. This fixture features electronic low voltage (ELV) or TRIAC or 0-10V dimming capabilities (See **FIG. 10**).

To utilize ELV or TRIAC, wire black (line hot), white (line neutral) and green (ground) in accordance to dimmer specifications.

To utilize 0-10V dimming, wire purple (dim+), pink or gray (dim-), black (line hot), white (line neutral) and green (ground) in accordance to dimmer specifications.

When not using a dimmer, connect black fixture wire to hot, white fixture wire to neutral and green fixture wire to ground. Leave all other wires capped individually.

Place all wiring and connectors back in junction box and replace the junction box cover.

6. The SQUARE housing is shipped with a collar that comes from the factory aligned with the housing. Should additional adjustments be necessary in-field, loosen the 4 screws that secure the collar to the housing and align the collar. Notches on the collar assist to provide indexing for alignment. Tighten the screws to lock the collar in the desired position. (See **FIG. 11**).

7. For ROUND housings, create a $3\frac{3}{8}$ " cutout hole at the point of ceiling installation and install the wood ceiling. (See **FIG. 12**).

For SQUARE housings, create a $2\frac{9}{16}$ " x $2\frac{9}{16}$ " cutout at the point of ceiling installation and install the wood ceiling. (See **FIG. 13**).

8. Refer to installation instructions for the appropriate trims to complete the installation.

FIG. 9

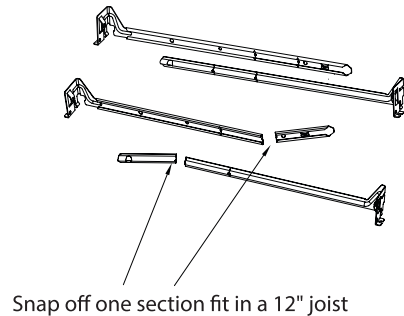


FIG. 10

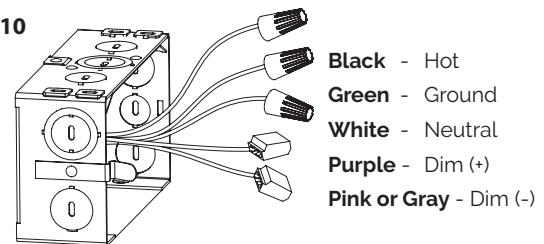


FIG. 11

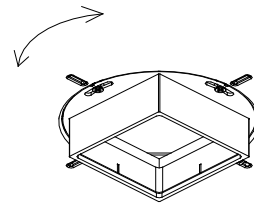
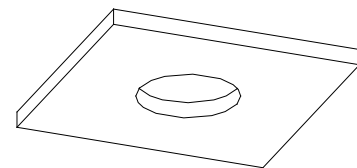
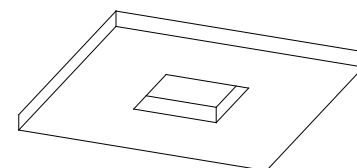


FIG. 12



Round - Ceiling Cutout: $3\frac{3}{8}$ " Diameter

FIG. 13



Square - Ceiling Cutout: $2\frac{9}{16}$ " x $2\frac{9}{16}$ "

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LIGHT ENGINE REPLACEMENT:

Refer to relative trim instruction for LED replacement.

DRIVER REPLACEMENT:

1. Shut off power to the fixture. Remove trim assembly from fixture and disconnect the power connector and safety cable from the trim assembly (See **FIG. 14**).
2. Grip the driver locking latch and push to release the driver (See **FIG. 15**).
3. Slide the driver out of its mounting track and remove it through the ceiling opening (See **FIG. 16**).
4. Disconnect the power and control connectors from the driver and the replace the old driver with the new one (See **FIG. 17**). Reverse the steps 1 to 4 to install the new driver to the fixture.

FIG. 14

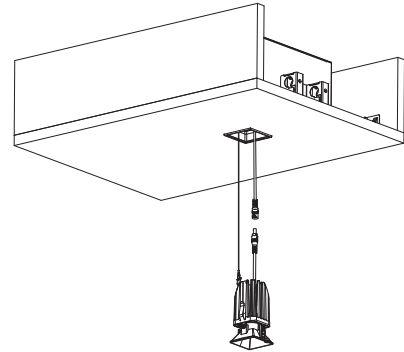


FIG. 15

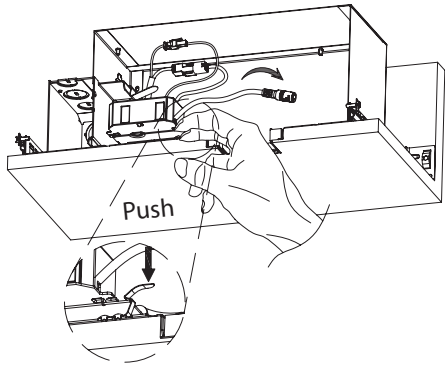


FIG. 16

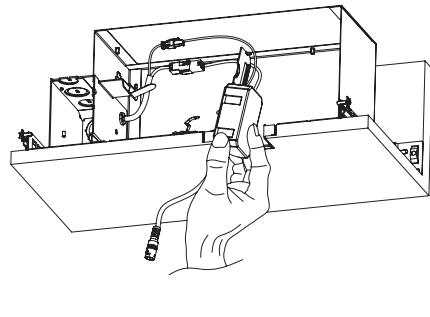


FIG. 17

