

MX2RT LED SERIES

INSTALLATION INSTRUCTIONS



WARNING:

- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure all electrical power is turned off while installing the fixture.
- This luminaire must be adequately grounded for protection against shock hazards and to assure proper operation.
- Disconnect power before servicing.
- LEDs are ESD (Electro Static Discharge) sensitive devices that can be easily damaged if the proper ESD mitigating steps are not taken.
- LEDs are very sensitive to mechanical damage. Caution must be taken to avoid damage to the LEDs.
- ESD or mechanical damage voids all warranties.
- Suitable for dry and damp locations.

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**** FIXTURE MUST BE INSTALLED PRIOR TO DRYWALL OR FINISHED CEILING MATERIAL ****

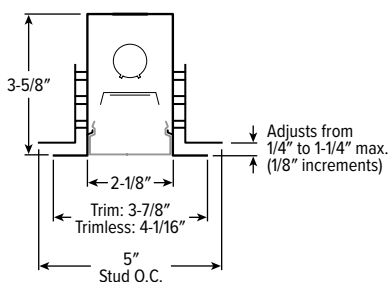
CEILING FRAMING ALLOWANCES

Warning: Ceiling material attaches to this fixture, but the attachment is non-structural. Ceiling material must be structurally supported by framing or other means.

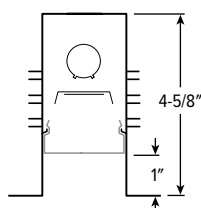
- Framing allowance for width is 3-1/2" ± 1/4" minimum.
- Framing allowance for length (if desired) is length plus 1-1/2" minimum. Additional clearance may be required for end plate electrical hook-up.

CROSS SECTIONS

FLAT LENS



REGRESSED LENS



PACKAGING EXPLANATION

Open fixture box from label end without removing the label to reveal fixture contents divided into the following three staged sections:

- Lens
- Housing assembly & backer flanges
- Trims, hanger bracket(s) & other hardware

Remove just what is needed for the for the current stage of the installation. Return to the box for the parts needed for the next stage of the installation.

STAND-ALONE ASSEMBLY

Remove housing assembly, hardware bag & the two backer flanges from the box.

STEP 1: Install backer flanges for proper ceiling thickness.

- Determine ceiling material thickness See FIG 1.2 CEILING THICKNESS CHART to identify the correct configuration.
- Find the corresponding backer flange position number See FIG 1.3
- Find the corresponding channel position letter See FIG 1.4. Confirm fit with actual ceiling material.
- Align the hole position in the backer flange with the position on the channel. Install backer flange to channel with #8 x 1/4" long screws provided. **Do not overtighten and strip screws.**

FIG 1.1

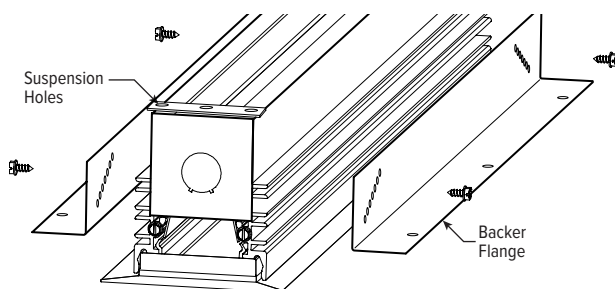


FIG 1.2 CEILING THICKNESS CHART

	FLAT LENS			REGRESSED LENS		
	A	B	C	A	B	C
1	—	5/8"	1-1/4"	1"	—	—
2	—	1/2"	1-1/8"	7/8"	—	—
3	—	3/8"	1"	3/4"	—	—
4	—	1/4"	7/8"	5/8"	1-1/4"	—
5	—	—	3/4"	1/2"	1-1/8"	—
6	—	—	5/8"	3/8"	1"	—
7	—	—	1/2"	1/4"	7/8"	—

FIG 1.3

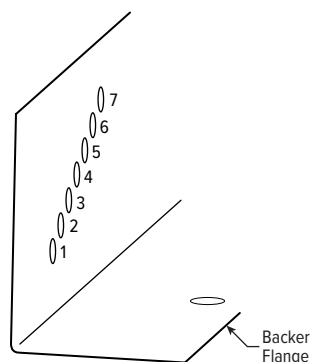
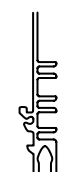


FIG 1.4



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STEP 2: Install fixture hanger bracket(s) if required.

- Remove access plate and slide hanger brackets through the channel feature located on the backside of the fixture housing and screw hanger bracket(s) in place with #8 x 1/4" screws, provided. See FIG 2.1

FIG 2.1

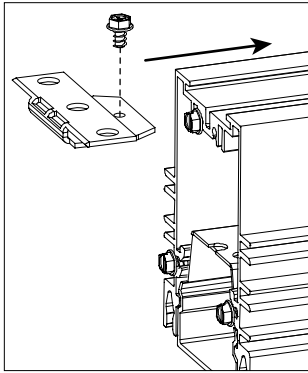
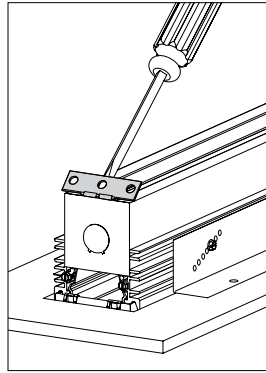


FIG 2.2

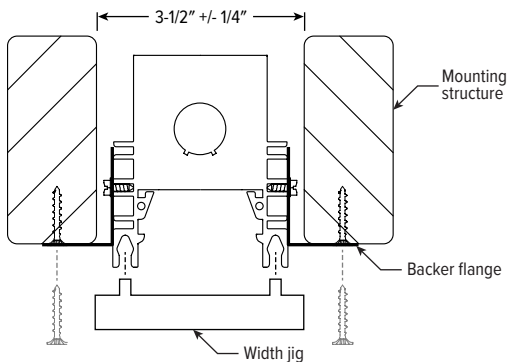


- Reinstall access plate and use a flat blade screwdriver to pry hanger brackets upward 90° to provide access to the suspension holes. See FIG 2.2

STEP 3: Install fixture.

- Raise the fixture into position and secure using wire ties through the suspension holes, if necessary.
- Ensure proper fixture level by seating the bottom of backer flange even with the mounting structure. See FIG 3.1

FIG 3.1



- Make electrical connections in accordance with NEC and local codes. See "WIRING DIAGRAM" on page 3.
- Secure fixture backer flanges to the support structure using the appropriate hardware. Control fixture width during attachment to structure by inserting width jig. See FIG 3.1

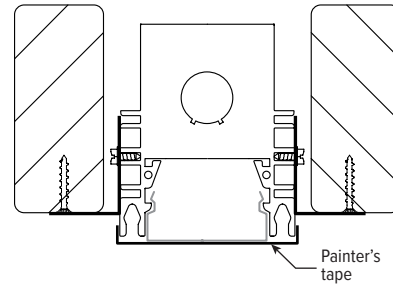
STEP 4: Install ceiling material.

- Retrieve fixture lenses from box and install.

NOTE: Drop and glow lenses cannot be installed prior to ceiling material installation. Proceed without lens installation.

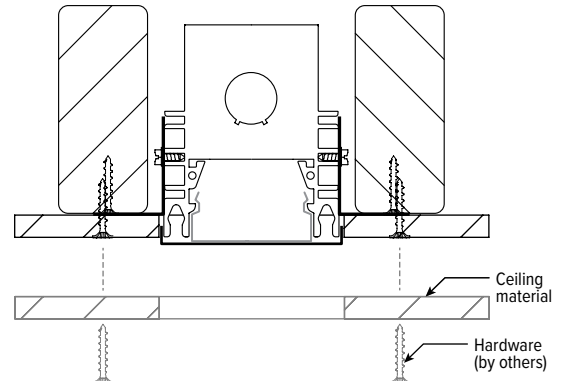
- To reduce dust from entering fixture and optimize performance, cover fixture with wide painters tape. See FIG 4.1

FIG 4.1



- Attach ceiling material through the backer flanges and in to the support structure. See FIG 4.2

FIG 4.2



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INSTALLATION INSTRUCTIONS

STEP 5: TRIM INSTALLATION

MX2RTL:

- A. Remove painters tape.
- B. Retrieve trims from box and install. See FIG 5.1 – See FIG 5.3
Trims use automotive style clips to engage the housing.

FIG 5.1

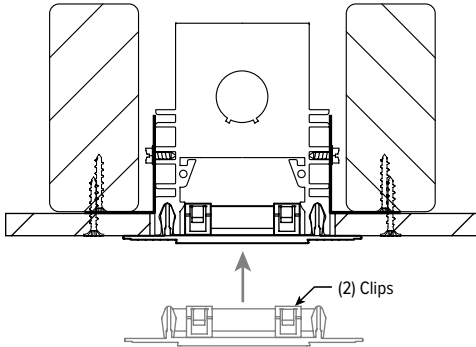
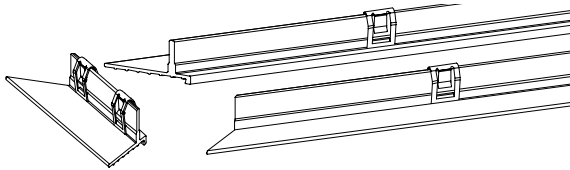
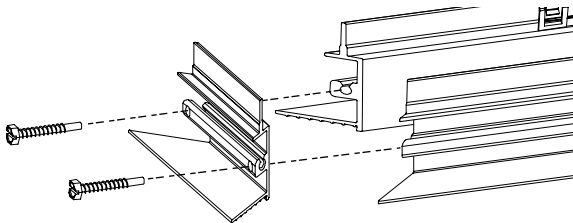


FIG 5.2 FLAT LENS



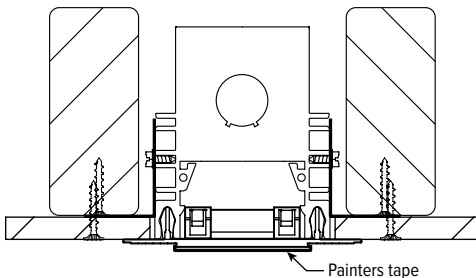
- C. Assemble regressed trims prior to installing onto the channel. #6x1" screws provided. See FIG 5.3

FIG 5.3 REGRESSED LENS



- D. Accurately install painters tape to edge. See FIG 5.4

FIG 5.4



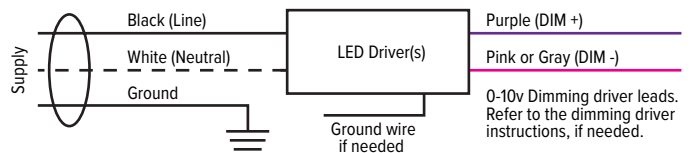
- E. Mud, finish, and paint.
- F. Remove painters tape and install drop and glow lenses, if applicable.

MX2RTR:

- G. Confirm complete coverage of painters tape and complete mud/texture/paint.
- H. Remove painters tape.
- I. Retrieve trims from box and install.
- NOTE: Trimming of flanges to length for row application may be required.
- J. Install drop and glow lenses, if applicable.

WIRING DIAGRAM

Driver/power supply disconnects accept #12 – #16 AWG stranded or solid wire.
Attach power supply and ground wires using UL listed wire connectors.
Please consult factory for other driver configurations or emergency driver wiring diagrams.



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ROW MOUNT ASSEMBLY

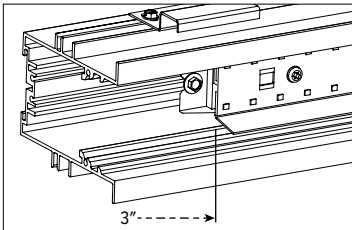
READ PACKAGING EXPLANATION THEN FOLLOW STAND-ALONE ASSEMBLY STEPS 1 – 2. REPEAT FOR ALL ROW MOUNTED UNITS.

NOTE: Joiner and Ender units supplied with one hanger bracket.

STEP 3: Align and join fixtures.

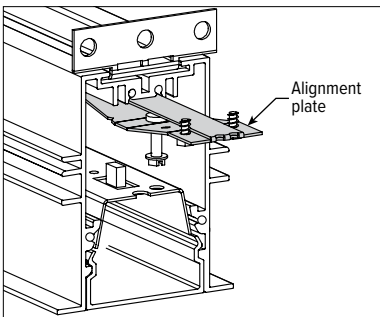
- A. Remove lens and slide inner LED cartridge 3" to reveal row intersection.

FIG 3.1



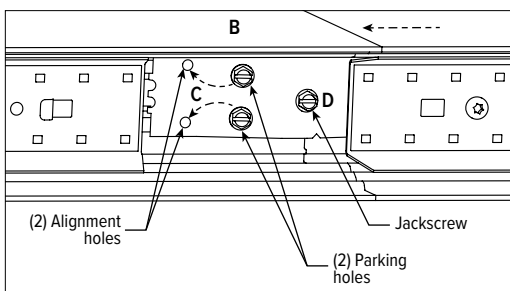
- B. Slide fixtures together, engaging row aligners into joining fixture.

FIG 3.2



- C. Remove (2) screws from parking holes and place in alignment holes to secure the row aligner to the newly placed fixture.

FIG 3.3

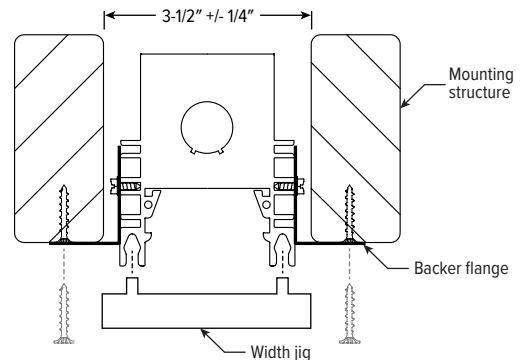


- D. Using center located jackscrew, draw the 2 fixtures tightly together. **Do not over tighten.**

STEP 4: Install fixture.

- A. Secure fixture backer flanges to the support structure using the appropriate hardware. Control fixture width during attachment to structure by inserting width jig. See FIG 3.1

FIG 4.1



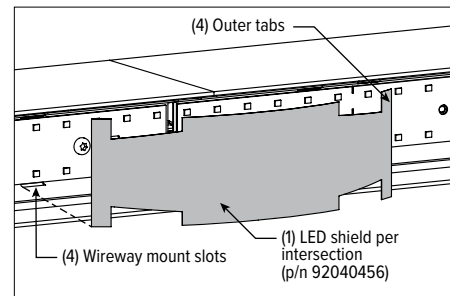
- B. Make electrical connections between fixtures with quick connect wiring harness then slide inner LED cartridge back into place. See "WIRING DIAGRAM" on page 3.

STEP 5: Repeat STEPS 3 – 4 for all row mounted units.

NOTE: Final (End) fixture in row will not have cartridge installed, to allow alignment plate installation. Plug cartridge in and snap in place.

STEP 6: To prevent light leak, bend LED shield and install by snapping (4) outer tabs into (4) wireway mount slots at all fixture intersections.

FIG 6.1



STEP 7: Follow STANDALONE ASSEMBLY instructions STEPS 4 – 5 for ceiling material and trim installation.