

# MX4RW

## 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.

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

### WALL FRAMING ALLOWANCES

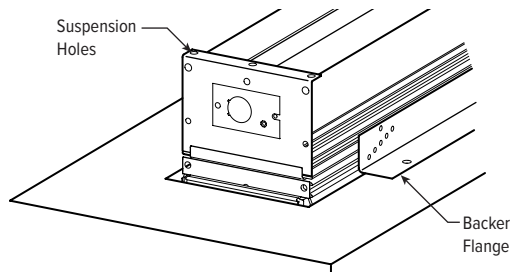
**WARNING:** Wall material attaches to this fixture, but the attachment is non-structural. Wall material must be structurally supported by framing or other means.

- Framing allowance for width is 6" minimum.

- Framing allowance for length (if desired) is the actual illuminated length shown on fixture specification sheet +1-1/2" minimum. Additional clearance may be required for end plate electrical hook-up.

**STEP 1:** Install backer flanges for proper wall thickness.

FIG 1.1



- Hand tighten screws. **DO NOT OVERTIGHTEN SCREWS.**
- Use tin snips to modify backer flange length as required.
- Determine wall material thickness. (Fig 1.2)
  - Find the corresponding backer flange position number. (Fig 1.3)
  - Find the corresponding channel position. (Fig 1.4)

FIG 1.2 WALL THICKNESS CHART

	A	B	C
1	1/4"	7/8"	1-1/2"
2	3/8"	1"	1-5/8"
3	1/2"	1-1/8"	1-3/4"
4	5/8"	1-1/4"	1-7/8"
5	3/4"	1-3/8"	2"

FIG 1.3

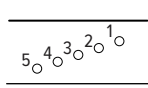
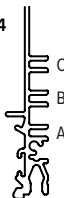


FIG 1.4

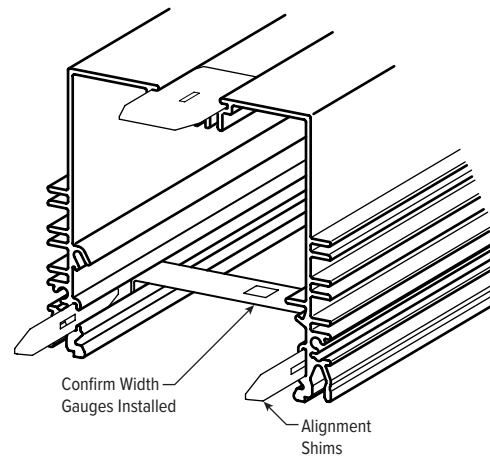


- Align the hole position in the backer flange with the position on the channel. Install backer flange to channel with #8 x 1/4" long screws provided. **DO NOT OVERTIGHTEN AND STRIP SCREWS.**

**STEP 2:** Row mount applications only (joiner fixture installation).

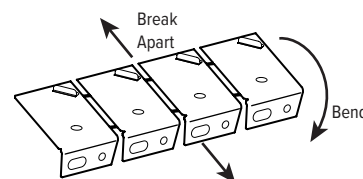
- In a continuous row mount application, the second end plate assembly supplied with the feeder fixture installs onto the end of the last joiner fixture in the run.
  - Install alignment shims into leading end of joiner fixture housing.
    - Insert shims approximately 1/2" and bend slightly outward to create binding.
  - Continue to insert side shims until the slot reaches the fixture housing.
  - Continue to insert the top shim until the slot is only half visible.

FIG 2.1



- Bend cinch bracket grouping and break the 4 pieces apart.

FIG 2.2

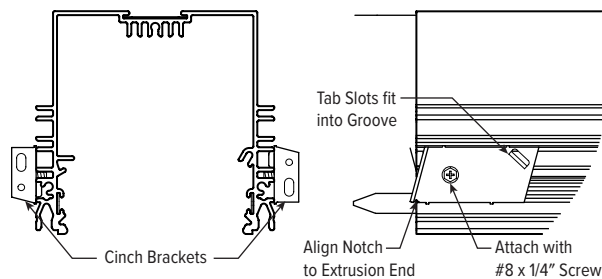


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E. Mount cinch brackets using supplied #8 x 1/4" screws.

FIG 2.3



F. See "WIRING DIAGRAM" on page 4.

G. Align and join extrusions.

FIG 2.4

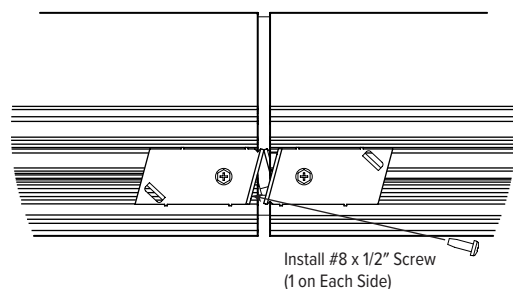
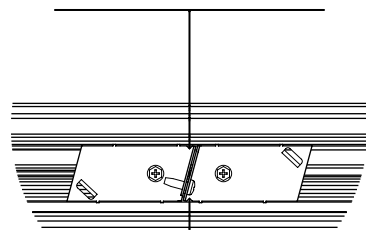


FIG 2.5



STEP 3: Install fixture.

- Raise the fixture into position and secure using the suspension holes for wire tie or 1/4-20 rod.
- Ensure proper fixture level by hanging the bottom of backer flange even with the wall material mounting structure.

FIG 3.1

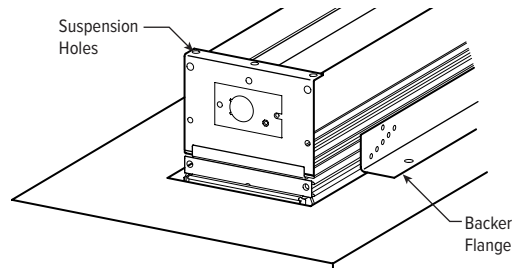
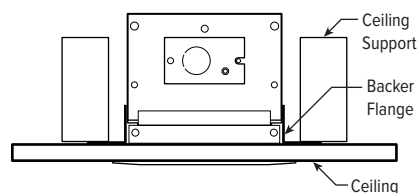
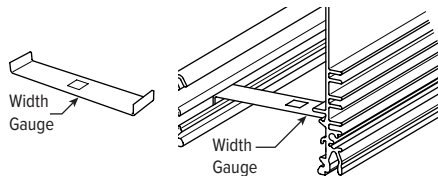


FIG 3.2



C. Set width gauges at equal distances to maintain channel width during wall material installation.

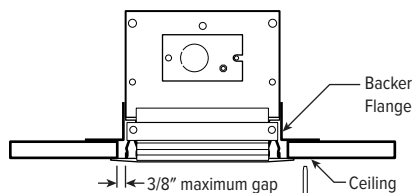
FIG 3.3



STEP 4: Make electrical connections in accordance with NEC and local codes. See "WIRING DIAGRAM" on page 4.

STEP 5: Fasten wall material to the backer flanges on the fixture.

FIG 5.1

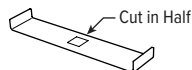


**WARNING:** Wall material attaches to this fixture, but the attachment is non-structural. Wall material must be structurally supported by framing or other means.

STEP 6: Remove width gauges from housings.

A. Cut gauges in half.

FIG 6.1



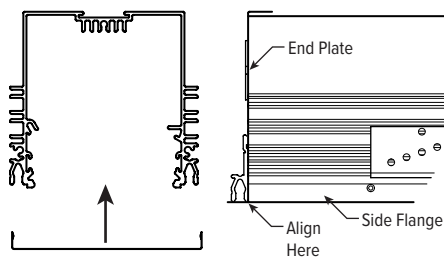
B. Push gauge halves up.

C. Pull gauge halves out from fixture channel.

STEP 7: Install flanged trim.

A. Align side flanges on fixture cover with end plate.

FIG 7.1

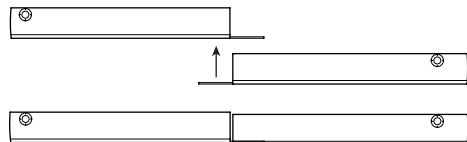


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## INSTALLATION INSTRUCTIONS

### B. Overlap ends of fixture covers.

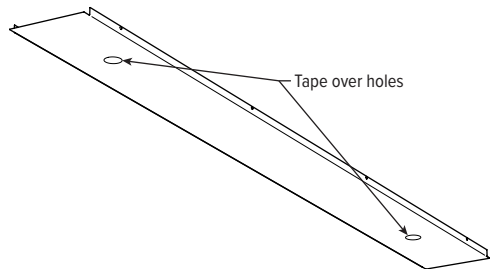
FIG 7.2



### C. Tape over finger holes in fixture covers.

- Install galvanized fixture cover supplied with fixture to protect from overspray during ceiling finish work. Tape over finger holes after installation.

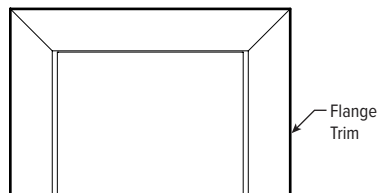
FIG 7.3



### D. Finish ceiling treatment, including texture and paint (as required).

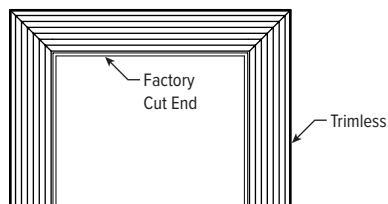
- Install flanged trim (as required) for trim application.

FIG 7.4



### STEP 8: Install Flangeless Trim.

FIG 8.1



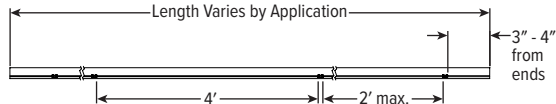
### A. Install and center double mitered end trim into ends of fixture.

### B. Install 8' side trims between the previous trims installed.

### C. Cut the last side 8' side trim to fit square with the half piece of mitered side trim at the end. **DO NOT RECUT THE MITERED ENDS.**

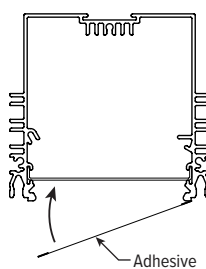
- For row mount applications, cut the double mitered side trim (supplied with feeder fixture) in the middle between the clips that are approximately 4" apart. Install one half of the trim into the fixture at the end of the row. Position tight against the double mitered end trim already installed.

FIG 8.2



### STEP 9: Install Film Masking (supplied with fixture).

FIG 9.1



### A. Adjust length of the mask by cutting mid-section only as required.

**NOTE:** Adhesive on masking film is not permanent and can be reapplied.

- Allow for 1" – 2" overlap of masking when installed.
- Remove adhesive liner from one edge of masking.

### B. Apply edge of mask to fixture housing inside of trim.

- Remove adhesive liner from second edge of masking.

### C. Apply second edge of mask to fixture housing.

### D. Continue masking fixture row (Overlap joints by 1" – 2" as shown above).

### STEP 10: Apply Seam Treatment.

### A. Tape and mud trim flange to ceiling material (Apply tape to cover half of trim).

### STEP 11: Finish Wall Treatment.

(Texture and paint as required)

### STEP 12: Install Lenses.

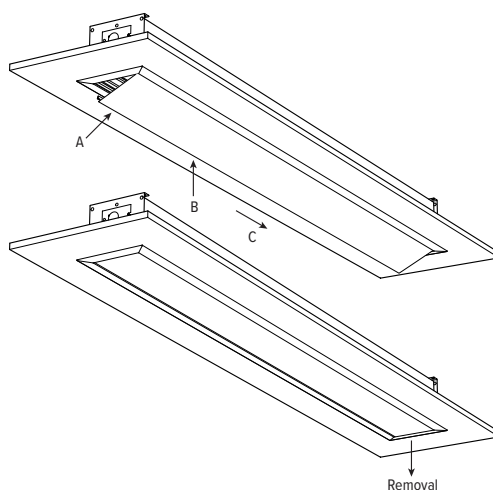
### A. Insert one side of lens into fixture housing.

### B. Push the corner of the opposite side of the lens into place.

### C. Continue pushing along the housing until the entire lens is installed.

- Row mount lenses are supplied in 8' increments. Cut final lens to length as required with fine tooth miter saw.
- To remove lens, pry out starting with the 4" wide end.

FIG 12.1



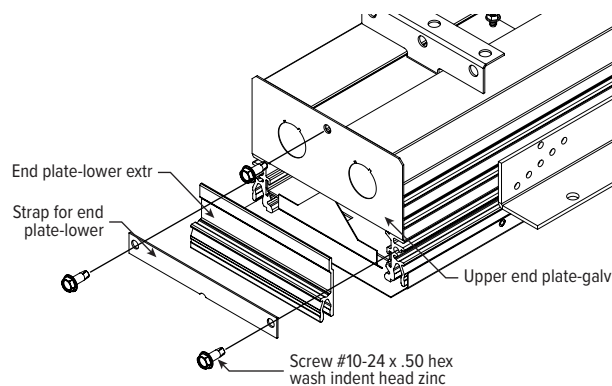
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## INSTALLATION INSTRUCTIONS

### STEP 13: Install end plate.

- A. Place upper end plate (galv) next to extrusion #10-24 x .5 screw.
- B. Take strap and lower end plate and attach to extrusions with #10-24 x .5 screw.

FIG 13.1



### WIRING DIAGRAM

