MX2U LED SERIES

INSTALLATION INSTRUCTIONS

WARNING:

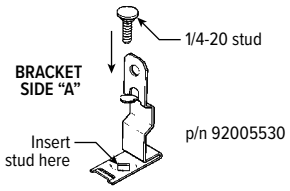
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Make sure all electrical power is turned off while installing the fixture.
- This luminaire must be adequately grounded 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.

TABLE OF CONTENTS

STAND-ALONE ASSEMBLY

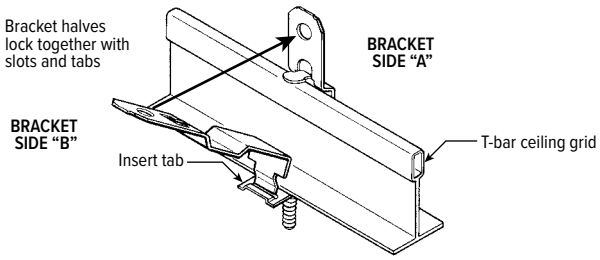
STEP 1: For T-bar ceiling, install mounting brackets at desired locations. T-bar mounting bracket halves are supplied as a one-piece metal stamping. Bend inward at middle until bracket breaks into two pieces. Insert 1/4 - 20 threaded stud into “A” half of bracket.

FIG 1.1



STEP 2: T-bar mounting bracket halves interlock and snap together around T-bar. Brackets must be placed exactly on each mounting point for correct installation and hanging of cables.

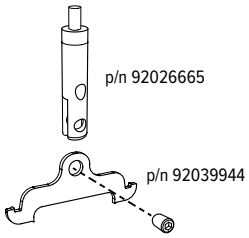
FIG 2.1



STEP 3: Install mounting points.

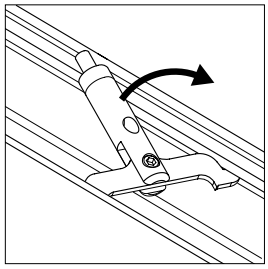
A. Remove setscrew from gripper, insert hanger, then reinsert setscrew.

FIG 3.1



B. Insert hanger under lips on top of fixture sides in desired location and rock up into position.

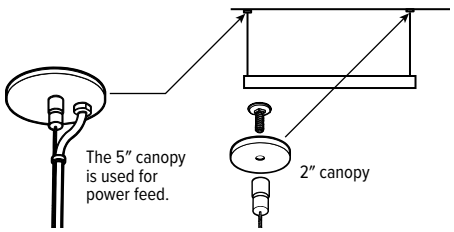
FIG 3.2



STEP 4: Stand-alone fixtures up to 12′ in length will require two suspension cables. For safety, always support the weight of the fixture.

Do not leave a fixture hanging by only one end while working.

FIG 4.1



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INSTALLATION INSTRUCTIONS

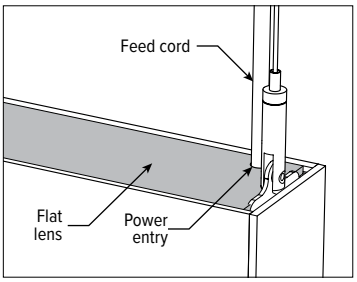
STEP 5: LENS INSTALLATION

FLAT LENS (F)

A. Align power entry hole in lens with feed cord.

B. Lens length will allow for hangers at each end of fixture without modification. If different locations are required, mark position of fixture hangers and cut lens appropriately with fine tooth chop saw.

FIG 5.1



GLOWING EDGE LENS (G)

A. Align power entry hole in lens with feed cord.

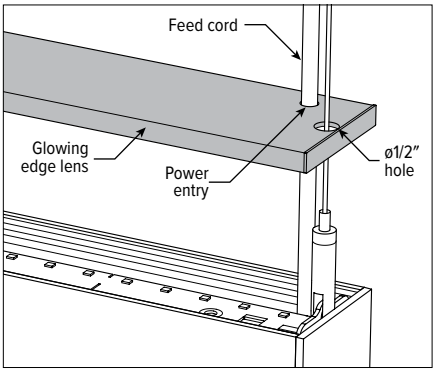
B. Mark position of fixture hangers and drill 1/2" diameter hole into lens at each location.

C. While supporting fixture weight, depress cable release and remove cable from gripper.

D. Feed cable through previously drilled hole in lens and re-insert into gripper.

E. Repeat for each cable.

FIG 5.2



FLAT LENS WITH WIDESPREAD OPTIC (FW)

A. Break off end section of lens at cord location to allow room for cord and hanger. Lens length will allow for hangers at each end of stand alone fixture without modification.

FIG 5.3

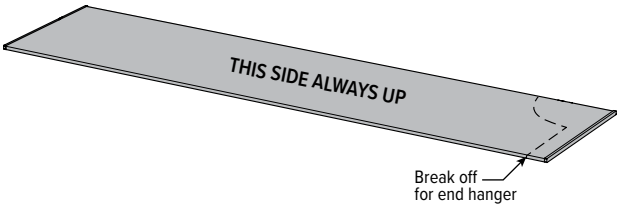
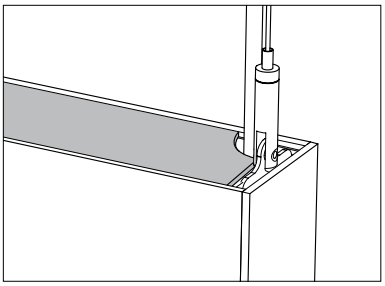


FIG 5.4



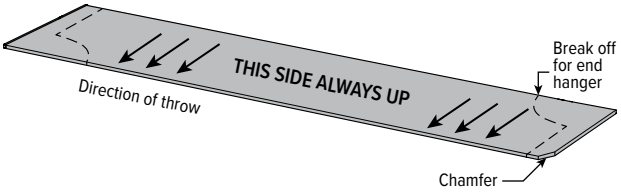
B. If different locations are required, mark position of fixture hangers and cut lens appropriately with fine tooth chop saw.

C. Maintain consistent orientation for all additional lenses in the row.

FLAT LENS WITH ASYMMETRIC OPTIC (FA)

A. FA is an asymmetric optic that must be installed in a certain orientation, depending on the desired direction of throw.

FIG 5.5



NOTE: Direction of throw is determined by the orientation of the small chamfer on (1) corner of the lens.

B. Once desired direction of throw and corresponding lens orientation is determined, break off end section of lens at cord location to allow room for cord and hanger. Depending on fixture length, lens may require cutting from opposite end with fine tooth chop saw. See FIG 5.5.

C. If different locations are required, mark position of fixture hangers and cut lens appropriately with fine tooth chop saw.

D. Maintain consistent orientation for all additional lenses in the row.

STEP 6: Make electrical connections in accordance with NEC and local codes. See "WIRING DIAGRAM" on page 5.

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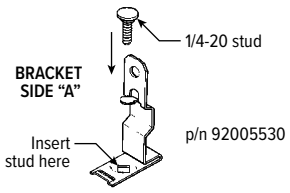
ROW MOUNT ASSEMBLY

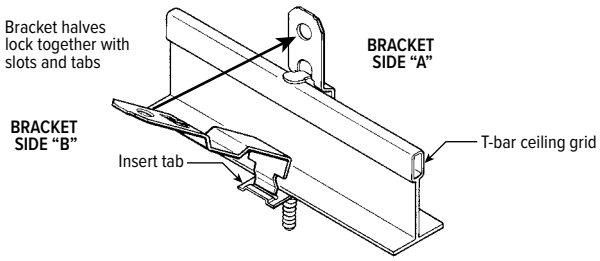
STEP 1: For T-bar ceiling, install mounting brackets at desired locations. T-bar mounting bracket halves are supplied as a one-piece metal stamping. Bend inward at middle until bracket breaks into two pieces. Insert 1/4 - 20 threaded stud into "A" half of bracket.

FIG 1.1



STEP 2: T-bar mounting bracket halves interlock and snap together around T-bar. Brackets must be placed exactly on each mounting point for correct installation and hanging of cables.

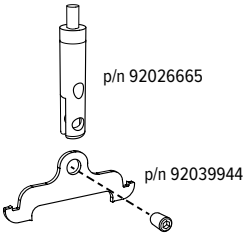
FIG 2.1



STEP 3: Install mounting points.

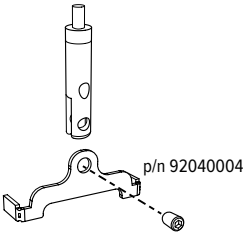
A. Remove setscrew from gripper, insert hanger, then reinsert setscrew.

END HANGER



For use with 1st hanger on Feeder fixture, and the only hanger on End fixture.

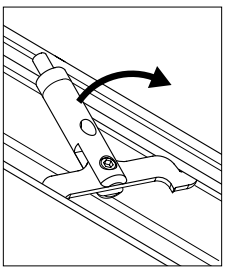
JOINER HANGER



For use with 2nd hanger on Feeder fixture, and all Joiner fixture hangers.

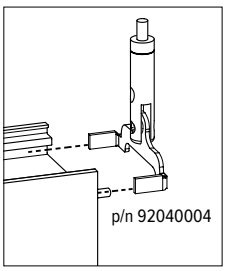
B. Install hanger.

END HANGER



Insert hanger under lips on top of fixture sides in desired location and rock up into position.

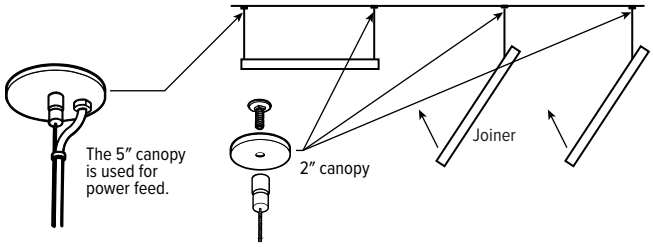
JOINER HANGER



Slide hanger under lips on top of fixture.

STEP 4: Hang fixture.

FIG 4.1



A. Locate and hang feeder fixture (with endcap and power cord). Install mounting cables at desired locations.

NOTE: Only the first fixture in each row will require two suspension points. Each adjoining fixture will require only one suspension point before attaching to the previous fixture. For safety, always support the weight of the fixture. **Do not leave a fixture hanging by only one end while working.**

B. Install joiner fixture using next single cable point.

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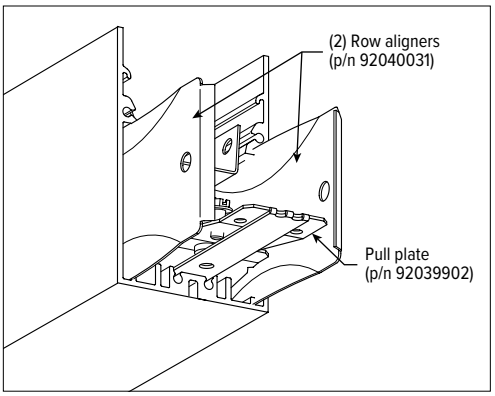
INSTALLATION INSTRUCTIONS

STEP 5: Align and join fixtures.

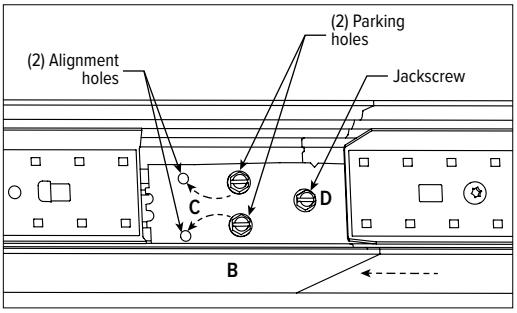
A. Slide fixtures together, engaging alignment pins in each fixture.

FIG 5.1



B. Remove (2) screws from parking holes and place in pull plate alignment holes to secure the pull plate to the newly placed fixture.

FIG 5.2



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

D. Make electrical connections between fixtures with quick connect wiring harness then slide inner LED cartridge back into place. See “WIRING DIAGRAM” on page 5.

STEP 6: Repeat STEPS 4B – 7 for each additional fixture in row.

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

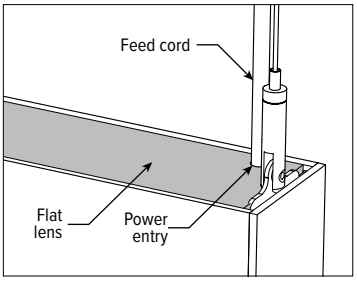
STEP 7: LENS INSTALLATION

FLAT LENS (F)

A. Align power entry hole in lens with feed cord.

B. Lens length will allow for hangers at each end of fixture without modification. If different locations are required, mark position of fixture hangers and cut lens appropriately with fine tooth chop saw.

FIG 7.1



GLOWING EDGE LENS (G)

A. Align power entry hole in lens with feed cord.

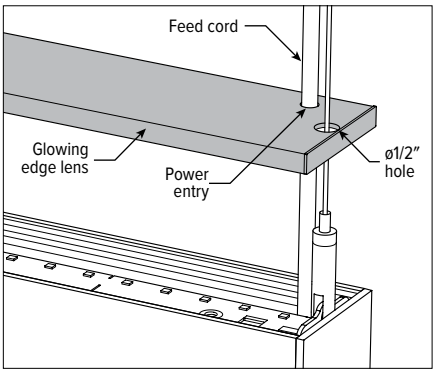
B. Mark position of fixture hangers and drill 1/2″ diameter hole into lens at each location.

C. While supporting fixture weight, depress cable release and remove cable from gripper.

D. Feed cable through previously drilled hole in lens and re-insert into gripper.

E. Repeat for each cable.

FIG 7.2



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INSTALLATION INSTRUCTIONS

FLAT LENS WITH WIDESPREAD OPTIC (FW)

A. Break off end section of lens at cord location to allow room for cord and hanger. Lens length will allow for hangers at each end of stand alone fixture without modification.

FIG 7.3

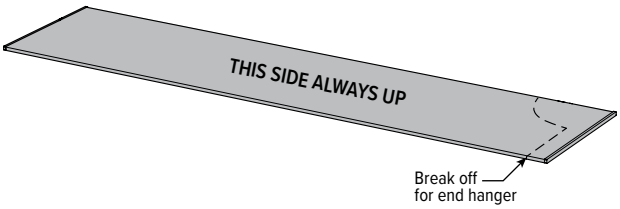
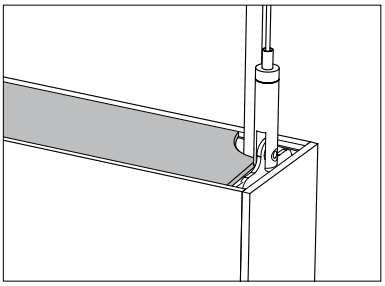


FIG 7.4



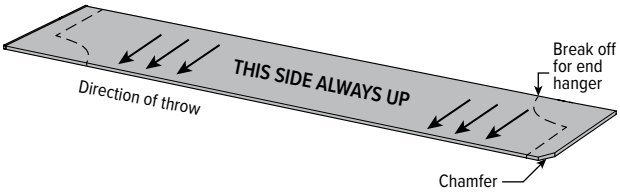
B. If different locations are required for row mounting, mark position of fixture hangers and cut lens appropriately with fine tooth chop saw.

C. Maintain consistent orientation for all additional lenses in the row.

FLAT LENS WITH ASYMMETRIC OPTIC (FA)

A. FA is an asymmetric optic that must be installed in a certain orientation, depending on the desired direction of throw.

FIG 7.5



NOTE: Direction of throw is determined by the orientation of the small chamfer on (1) corner of the lens.

B. Once desired direction of throw and corresponding lens orientation is determined, break off end section of lens at cord location to allow room for cord and hanger. Depending on fixture length, lens may require cutting from opposite end with fine tooth chop saw.. See FIG 7.5.

C. If different locations are required for row mounting, mark position of fixture hangers and cut lens appropriately with fine tooth chop saw.

D. Maintain consistent orientation for all additional lenses in the row.

WIRING DIAGRAM

Make electrical connections in accordance with NEC and local codes.

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.