TRAX®
RETICULAR BACKLIGHTING SYSTEM | RMK

ITEM #: TX1-M-RMK (RAIL MOUNTING KIT)

evo-lite ®
ADVANCED LUMINOUS SOLUTIONS

INSTRUCTION MANUAL
RETICULAR LED SYSTEMS // TRAX // RAIL MOUNTING KIT
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTIFICATION

CONTENTS

Each TRAX Rail Mounting Kit package is sold in single kits that contain 8 sections of 24" Rails (A) (which combine to create two 96" (2438.4mm) Rail sections), 6 Rail to Rail Connectors (B), 16 Rail Mounting Clips (C), and 4 Rail End Mounting Clips (D).
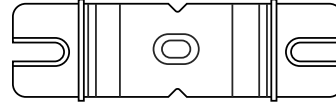
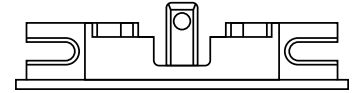| PART	QTY	ITEM #	RAIL MOUNTING KIT (SOLD SEPARATELY: TX1-M-RMK)
A	8	TX1-M-AR-24	24" Rails. Combine to create two 96" (2438.4mm) sections.
B	6	TX1-M-AR-RC	Rail To Rail Connectors
C	16	TX1-M-AR-MC	Rail Mounting Clips
D	4	TX1-M-AR-EMC	Rail End Mounting Clips
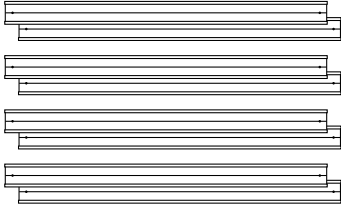
(A) 24" RAILS (QUANTITY 8)
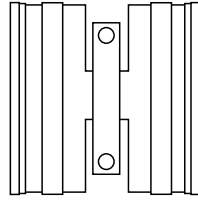
(B) RAIL TO RAIL CONNECTORS (QUANTITY 6)

(C) RAIL MOUNTING CLIPS (QUANTITY 16)

(D) RAIL END MOUNTING CLIPS (QUANTITY 4)

Please reference TRAX instruction manuals for information on cutting and snapping TRAX to size.

STEP 1 // ASSEMBLE THE RAILS

The included 24" Mounting Rails (A) fit together to create two 96" rails. They are designed to fit the full length of the TRAX Array (24"x 96"). These rails may be cut to size if the full 96" span is not required.

1. Lay out Rail pieces (A).
2. Join Rail (A) pieces together by sliding a Rail to Rail Connector (B) onto the end of one Rail. Then slide second Rail piece into the other side of the Rail to Rail Connector (Figure 1). These pieces fit tightly. If needed, use a rubber mallet to fully seat Connector (B) onto Rail (A).
3. Slide Rail End Mounting Clips (D) onto the top and bottom of assembled Rails (Figure 2). Use of these clips is optional, but recommended. These clips will assist in mounting to floors, walls, and ceilings. They also assist in holding the TRAX Array in place when mounting vertically.
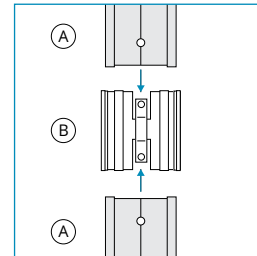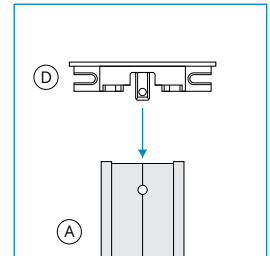
STEP 2 // PREPARE MOUNTING LOCATION

Carefully measure where Rails will be mounted. The standard distance between left rail and right rail is 12" (30.48cm) on center.

1. Mark desired installation location for Rails (A) (Figure 3). We recommend the use of a laser level or chalk snap line to assist with alignment.
2. Fasten Rail Mounting Clips (C) to marked location with a mechanical fastener through center mounting hole (Figure 4). Install two Rail Mounting Clips per 24" Rail piece. Rail Mounting Clips are able to slide left or right, adding a small degree of tolerance to rail location.
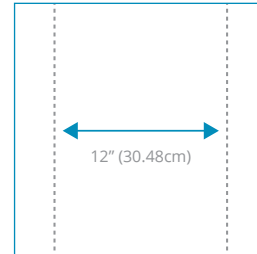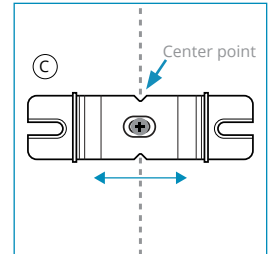
STEP 3 // MOUNT TO SURFACE

Test fit the TRAX Array and the Rail Mounting Kit to ensure accuracy of installation.

1. The wire mounting clips that are attached to the TRAX Array will snap securely into Rail (A) channels. Take the TRAX Array and snap it into Rails (Figure 5), ensuring TRAX is taught with LED bars laying flat. *(Tip: To remove wire clips from Rails, insert a flathead screwdriver behind the clip and gently pry it loose.)*
2. Take the entire assembly and snap it into the Rail Mounting Clips (C) on your application surface.
3. Once satisfied with placement, use mechanical fasteners to secure Rail Mounting Clips (C) to installation surface, eliminating any left or right movement of the clip (Figure 6).
4. For vertical applications, it is advised to apply the TRAX wire clip's adhesive backing to the Rails (A) at several points to eliminate any undesired movement from occurring over time.
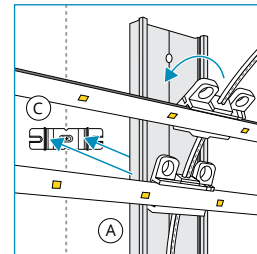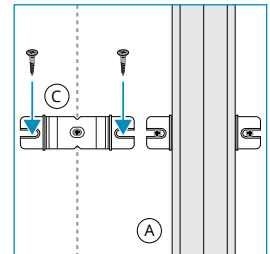
STEP 4 // ADD ADDITIONAL SUPPORT AS NEEDED

If needed, use Deep Bar Retention Clips (sold separately in packs of 10) to maintain alignment and add extra support to LED bars where LED bar length was modified. It is important that each LED bar is flat and square to the rail in order to achieve even illumination.

1. Snap Deep Bar Retention Clips to back side of LED bar where extra support is needed. Line up Deep Bar Retention Clip to alignment holes on LED bar in between LEDs (Figure 7).
2. Once positioned correctly, use clip's adhesive backing to temporarily hold it in place.
3. Ensure LED bar is properly aligned and insert mechanical fasteners through the mounting holes at the top of the Deep Bar Retention Clip (Figure 8).
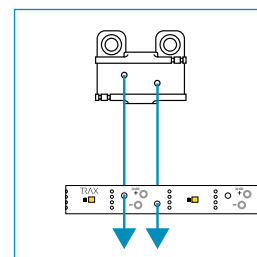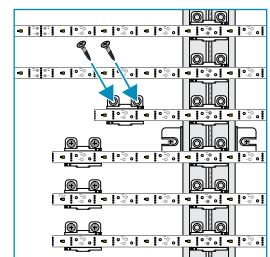
Note that Deep Bar Retention Clips are available in two sizes:
Use TX1-BRC-RMK-10 for TRAX Single Color White and TRAX Tunable White.
Use TX1-BRC-RMK-15 for TRAX Single Color White With Lens and TRAX RGBW.

Figure 1

Figure 2

Figure 3

12" (30.48cm)

Figure 4

Center point

Figure 5

Figure 6

Figure 7

Figure 8