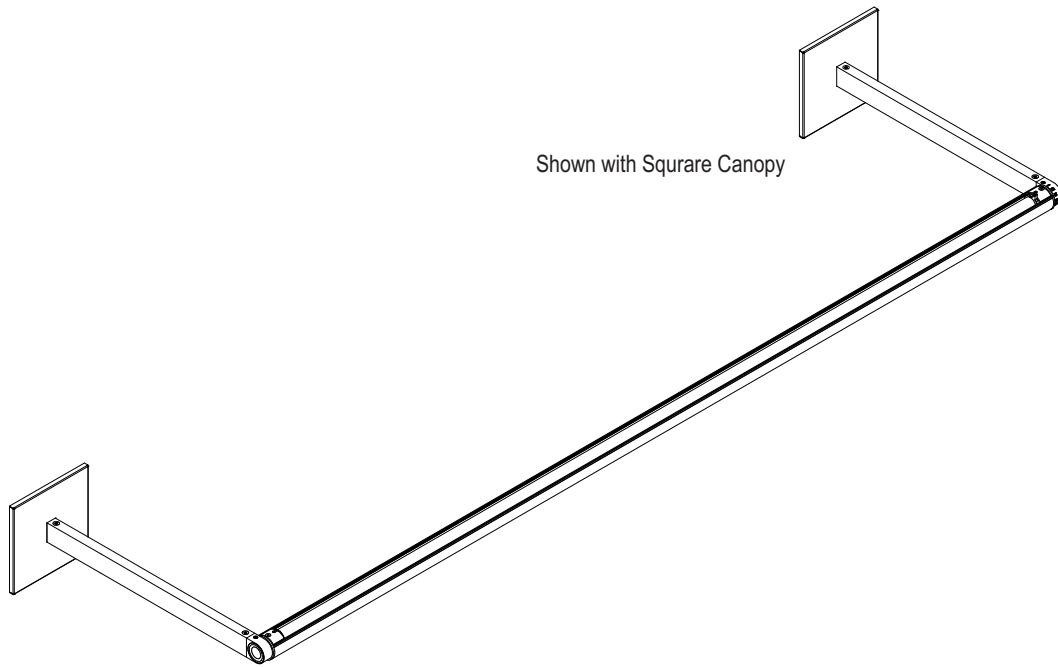
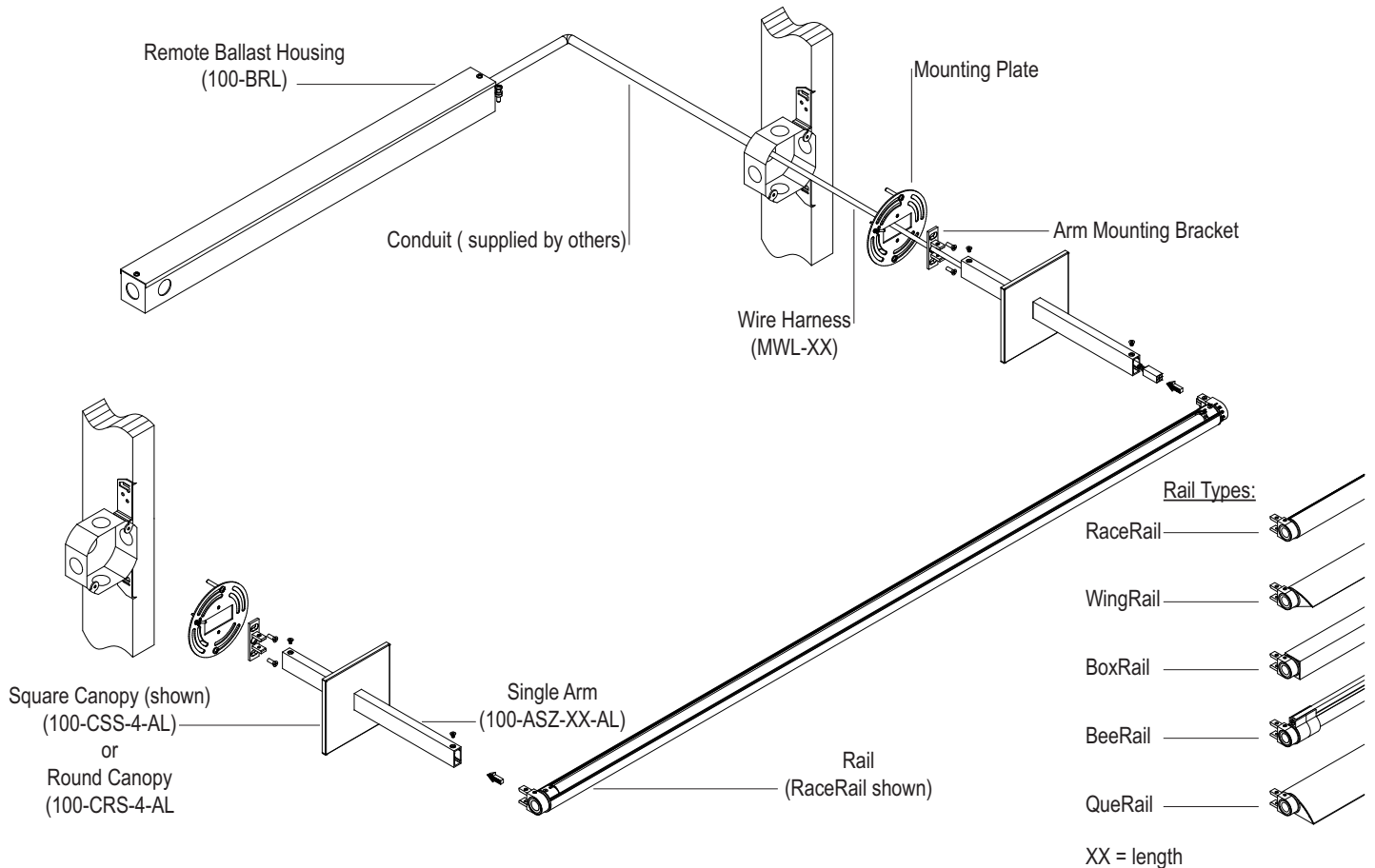


Please read instructions in their entirety before proceeding with any part of the installation. This luminaire must be installed in accordance with the National Electric Code and local regulations. Use of ballasts or other components not supplied by Vode Lighting voids warranty. To prevent electric shock, turn off electricity at the fuse box before proceeding. Do not install this product in wet locations. UL listed for dry and damp locations only. Retain instructions for future reference. Technical Support: 707-996-9898

**MLR System - 4" Canopy - 1 lamp - Single Rail System - 2', 3', 4', or 5' Rails**

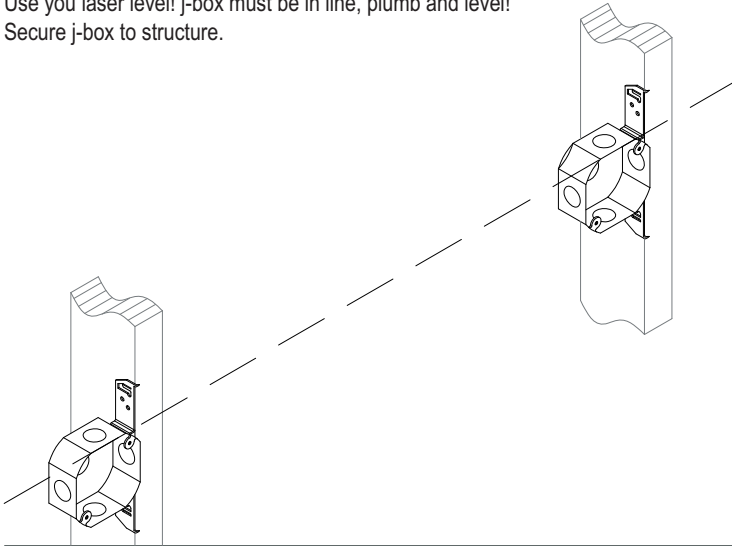


**Components for MLR System • 4" Canopy • 1 lamp • Multi Rail System • Exploded View**



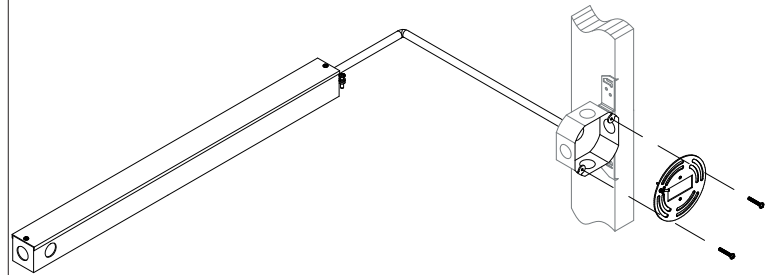
**1** Laying out the j-boxes:

To determine layout and j-box location, refer to the Layout Diagram on page 4. Accurate placement and alignment of j-boxes are very important. Once drywall is installed only a small amount of adjustability is possible!! Do not expect the studs/joings to be aligned. Use your laser level!! j-box must be in line, plumb and level!! Secure j-box to structure.



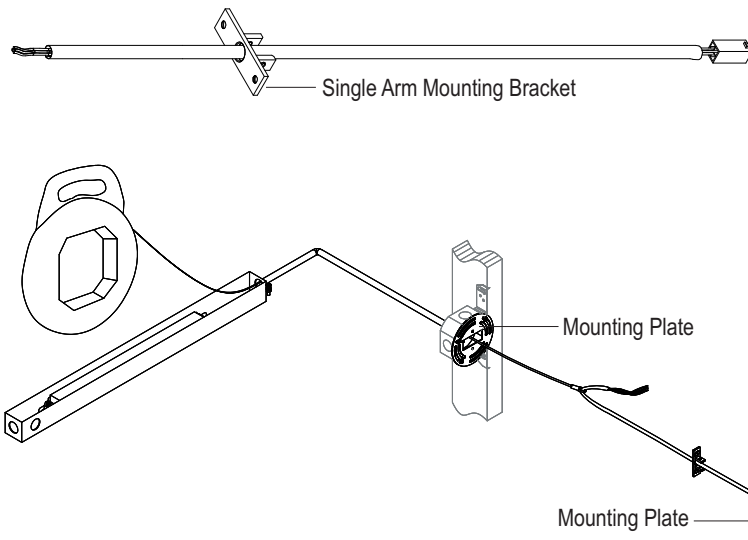
**2** Installing the Remote Ballast Housing:

Mount Remote Ballast Housing to a location that is accessible after installation. Maximum distance from Rail to a standard-non-dimming ballast is 14'. Maximum for dimming ballast is 7'. Include Arm length in calculation. Connect conduit provided by others from j-box to Remote Ballast Housing. Rigid or flexible conduit may be used depending on local code requirements. Secure Mounting Plate to j-box using provided screws. Do not install Vode Wire Harness at this time. Do not connect line voltage power at this time.



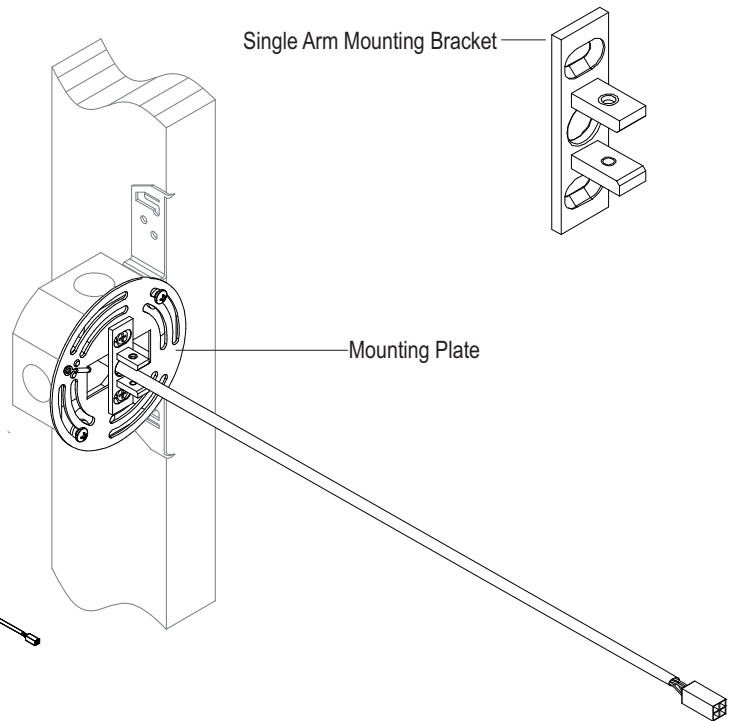
**3** Connecting Wire Harness to Ballast:

AFTER drywall has been installed. Insert Wire Harness through Arm Mounting Bracket as shown, follow by pulling Wire Harness through Mounting Plate to Remote Ballast Housing. Leave 1" plus length of Arm (example: 12" Arm + 1" = 13") hanging out of j-box. Use the Vode Wire Harness provided. Vode DOES NOT recommend using installer-supplied wire for ballast to Rail connection. Refer to Wiring Diagram on page 4 for wiring details. Make Wire Harness and line voltage connections to ballast. DO NOT power on System at this time.



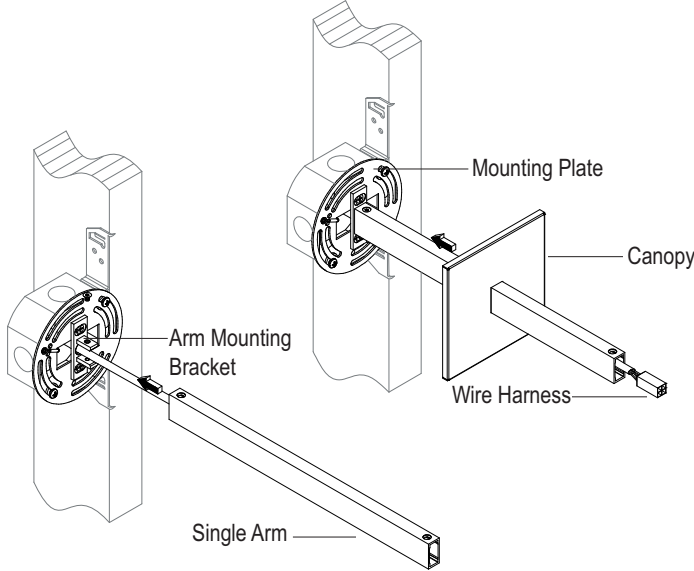
**4** Securing Arm Mounting Bracket:

Before securing Bracket to Mounting Plate, double check your center-to-center location, Mounting Bracket has some adjustability if needed. Adjust and level your Brackets and Plates if necessary to proper Rail Layout as per Layout Diagram on page 4. Secure Arm Mounting Bracket to Mounting Plate using screws provided. Use one Arm Mounting Plate at either end of System.



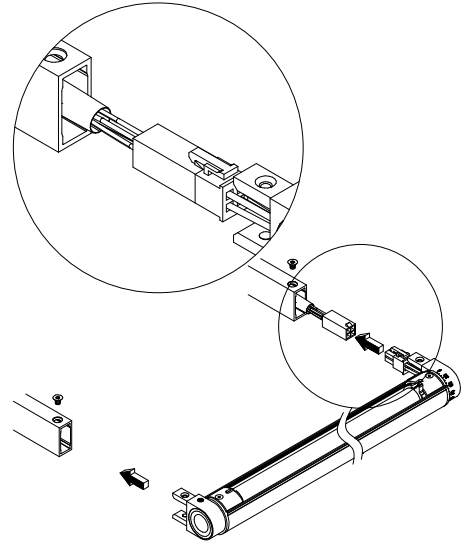
**5** Installing the Arms:

Slip Wire Harness through Arm as shown.  
Secure Arm to Arm Mounting Bracket using provided screws.  
Slip Canopy over Arm and snap onto Mounting Plate.



**6** Installing Rails:

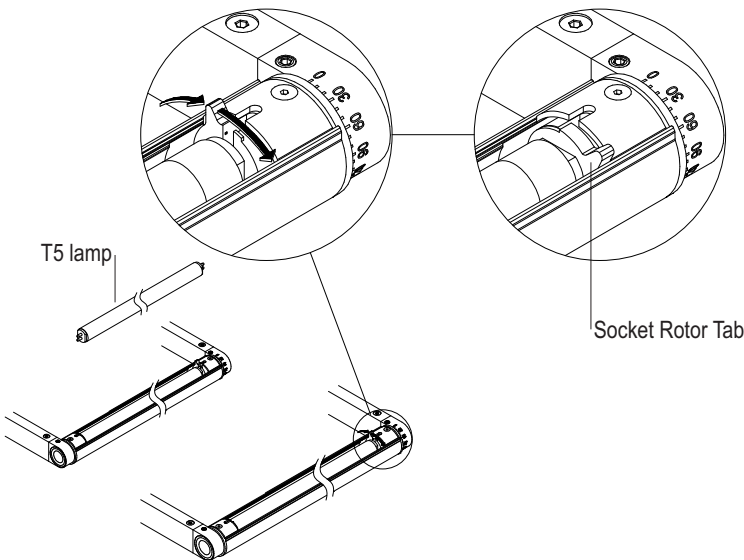
Snap connector on Wire Harness to mating connector on Rail.  
Make sure mating connector parts are completely secured.  
Secure Rail to Arm using screws provided as shown.



**7** Installing Lamps:

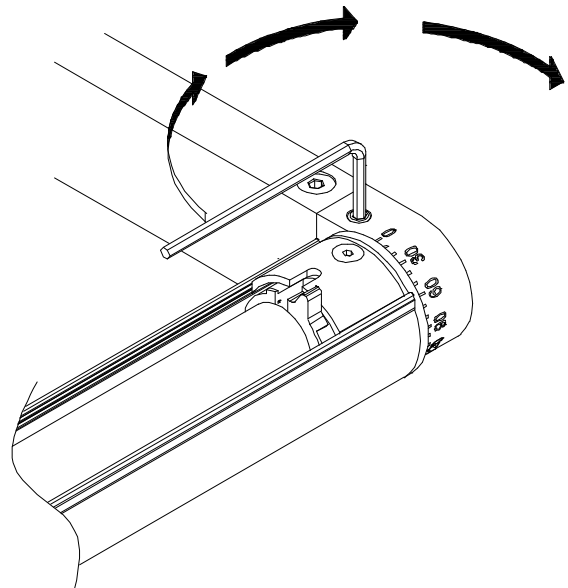
**IMPORTANT:** Use only T5 lamps in correct wattage! See label inside Rail.

Install lamps. For WingRail, BoxRail and RaceRail (shown), turn socket rotor tab to proper position and secure lamp. If Lamp not installed properly it will effect performance. If lens is applied, install lens.  
Power-on system and let lamps burn in per lamp manufacturers recommendations (usually 50-100 hours).



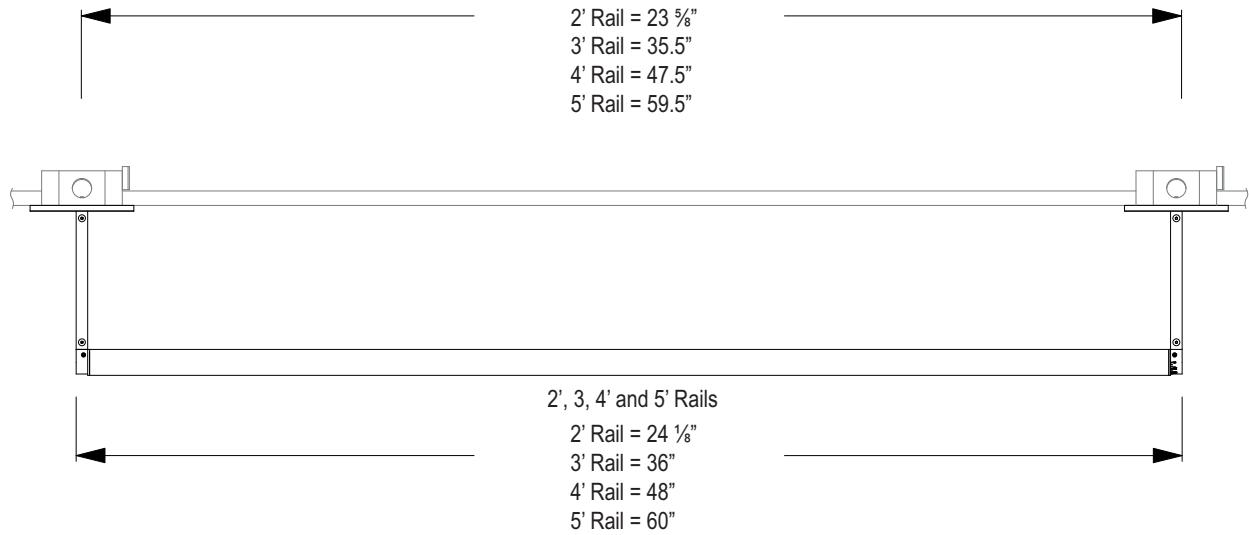
**8** Adjusting Rails:

Rotate Rail to desired position.  
Lock Rail into position with allen key provided as shown.



### 4" Canopy Layout and Rail Lengths

Center to Center Layout for 4" Canopy - 2', 3', 4' and 5' Rails



### Wiring Diagram for MLR System

1 - lamp wiring for standard non-dimming programmed-start-ballast

Vode wire harness



**IMPORTANT:**

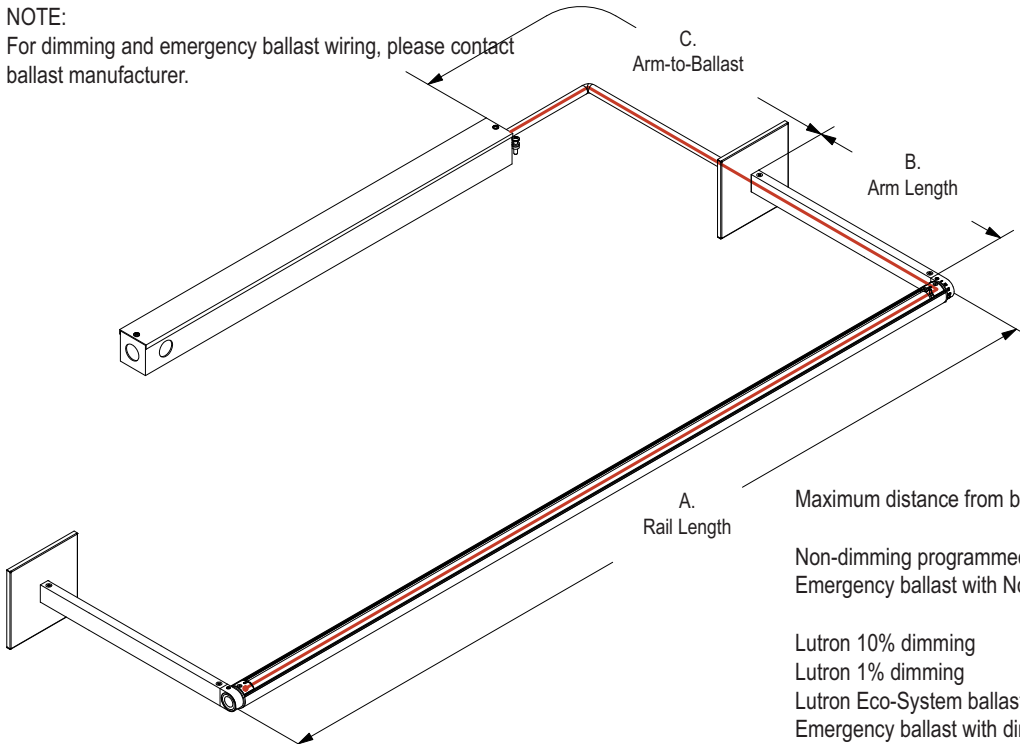
Do not exceed maximum allowable distance between ballast and furthest socket.  
Add Rail length, Arm length and Arm-to-Ballast distance in calculation.

Example:

A+B+C = maximum distance allowed from furthest socket.

**NOTE:**

For dimming and emergency ballast wiring, please contact ballast manufacturer.



Maximum distance from ballast to **furthest** socket:

Non-dimming programmed-start-ballast	14'
Emergency ballast with Non-dimming ballast	10'
Lutron 10% dimming	7'
Lutron 1% dimming	7'
Lutron Eco-System ballast	7'
Emergency ballast with dimming ballast	7'