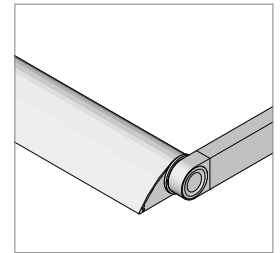
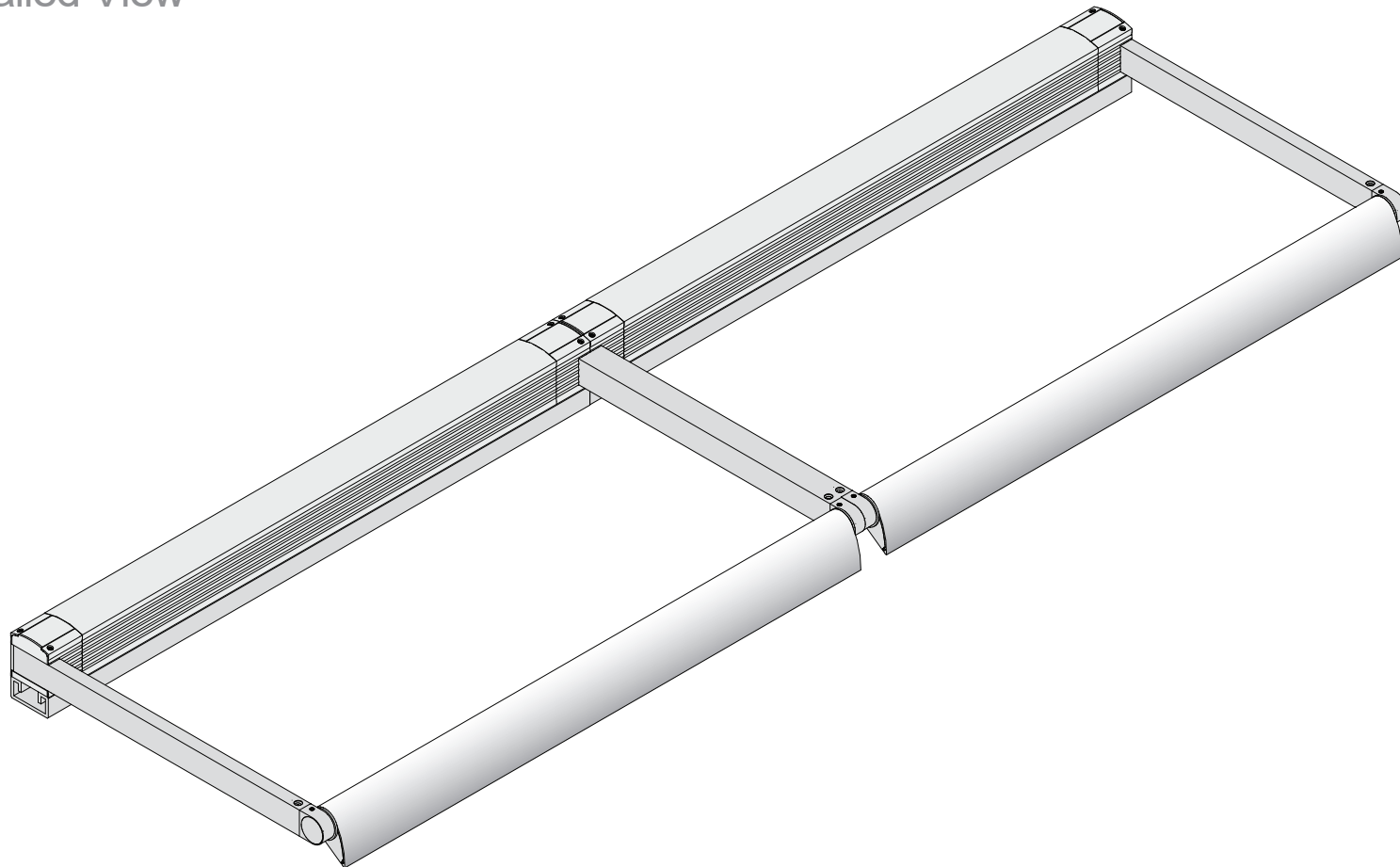


# Stack Mount | **Integral Power** | Single Sided

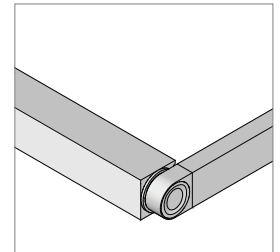
BoxRail<sup>®</sup>, RaceRail<sup>®</sup>, WingRail<sup>®</sup> | 107

Please read instructions in their entirety before proceeding with any part of the installation. 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. Consult a qualified electrician to ensure correct branch circuit rating. To prevent electric shock, disconnect all power before installing or servicing product. Rated for use in dry and damp locations only. Retain instructions for future reference.

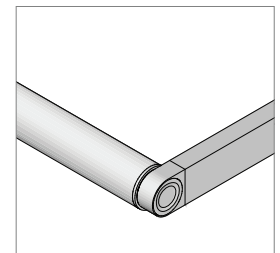
## Installed View



WingRail



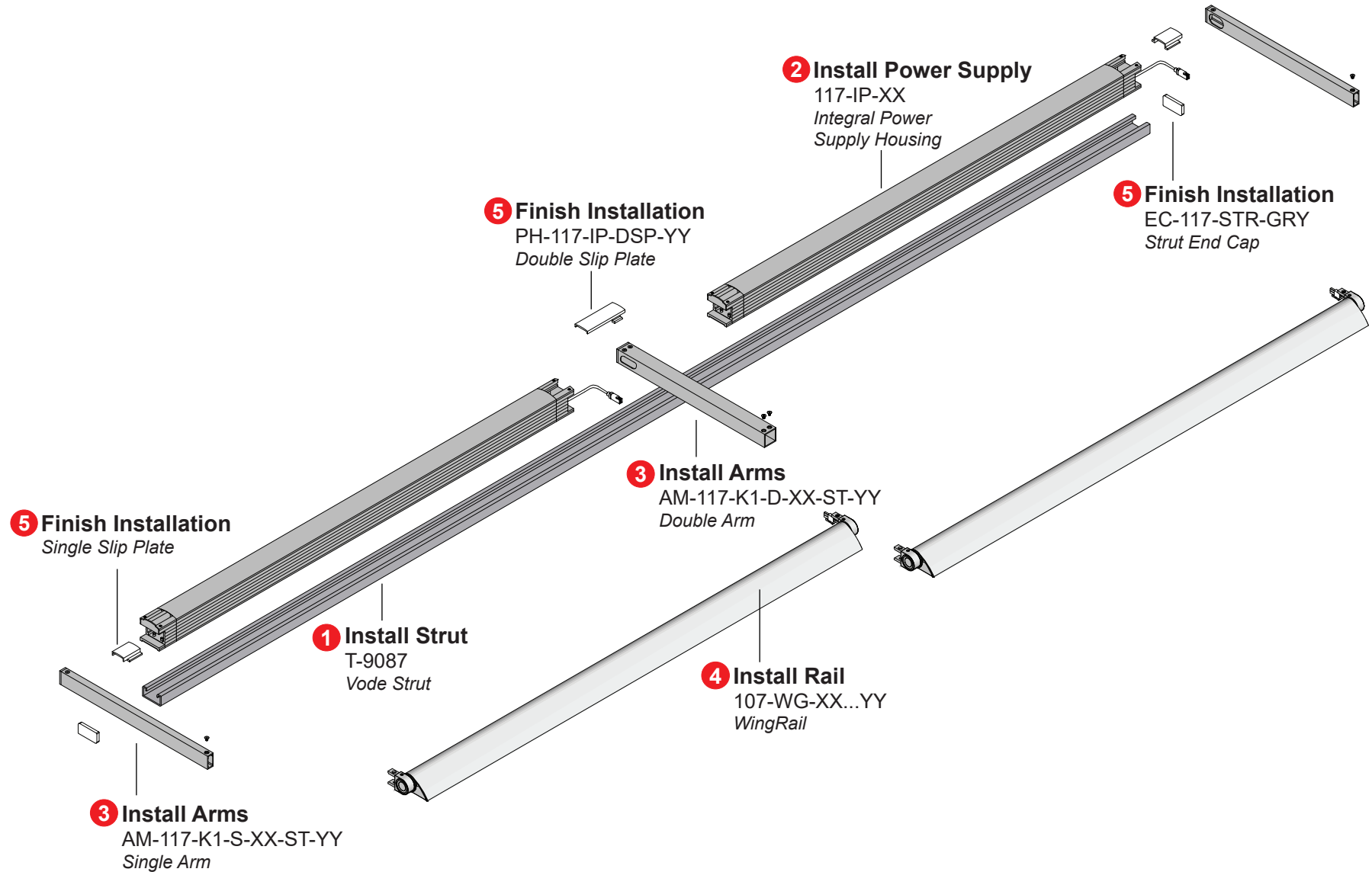
BoxRail



RaceRail

## Parts Diagram

**NOTE:** Single rail systems do not have any double mounting components.



## Installation Instructions

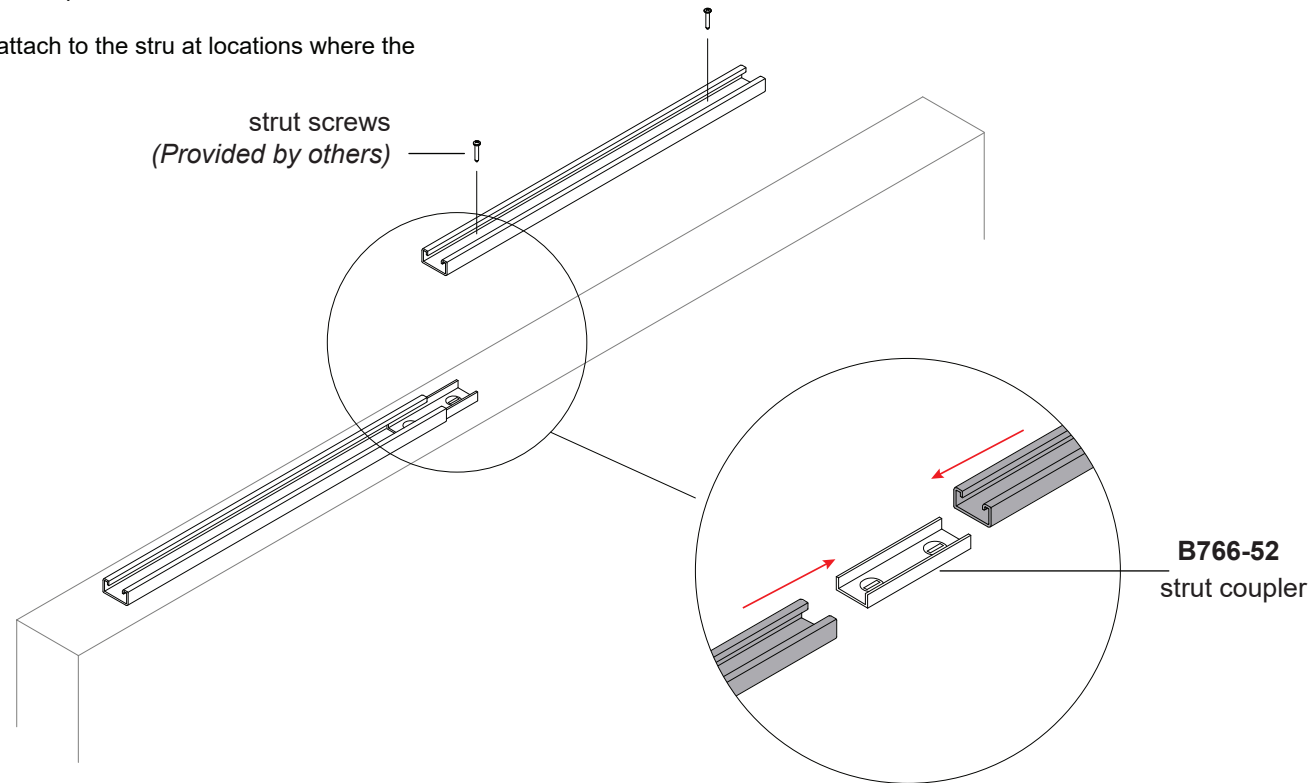
### 1 Laying Out and Installing VodeStrut™ (optional)

Vode strut is only provided for continuous systems. If you are installing a single system please see next step

Once layout has been verified, secure strut channel to surface with screws, *provided by others*. Make sure each strut section is leveled before making final installation. Alignment of VodeStrut channel is critical, it will determine the alignment of the entire system.

If joining strut sections, use provided strut coupler as shown.

**NOTE:** The end block strut nut can not attach to the stru at locations where the strut coupler is installed.



## Installation Instructions

### 2 Installing Power Housing

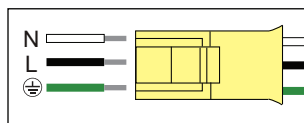
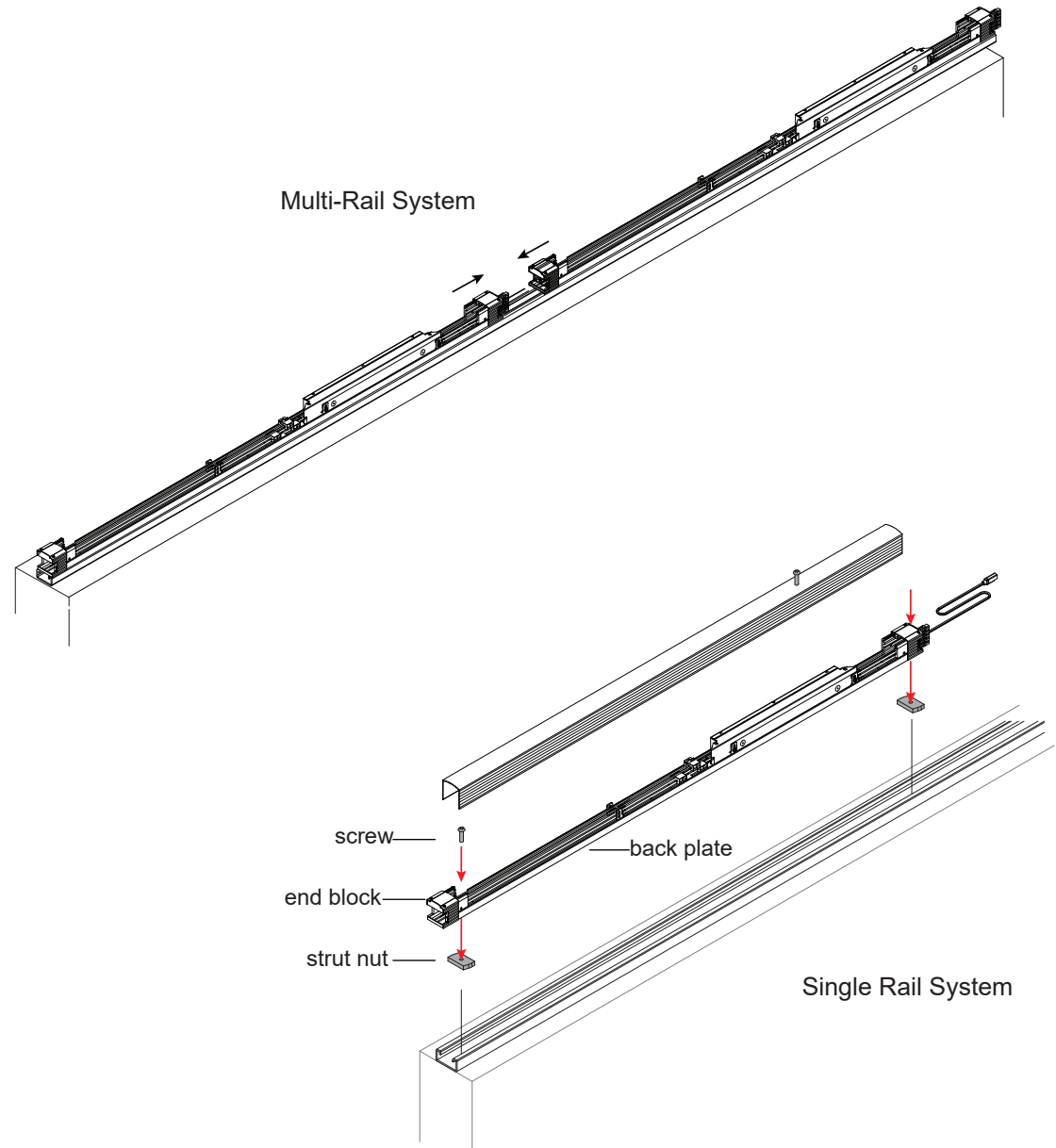
**IMPORTANT:** The power housing must be installed in the correct orientation. The driver is located on the right end of the housing.

**If System Includes VodeStrut:** Secure the Power Housing to the VodeStrut channel, using hardware provided by Vode and feed voltage wires through the chosen knock-out hole. Before tightening make sure Power Housing is leveled and aligned with Vode Strut.

Measure and mark layout for entire system before installing. Remove integral power housing cover carefully to avoid damaging the finish. Match each cover to its housing to ensure proper fit during assembly. Integral power housings are supplied with knock-out holes for 1/2" NPT fittings, see page 7 for knock-out hole locations. End feed knock-out holes are available upon request. Secure the aluminum end blocks to the mounting surface as illustrated. Block or engineered anchors are recommended at all end block locations

**For Single Rail Systems:** Make line voltage power connections to quick disconnect provided by Vode. Feed line voltage wires and attach to quick-connect by connecting ground/earth to green slot, common/neutral to white slot and line/hot to black slot. For multi rail systems, blue tyco splicers are provided for dimming controls, were applicable.

**For Multi-Rail systems:** Multi-rail systems typically only require one power feed, depending on overall length and output settings. Install first integral power housing as described above. Install the next power housing flush to the first housing. Make line voltage power connections to quick disconnect provided by Vode. Each Power Housing is provided with a quick disconnect to bring power in where desired. Make sure additional back-plate sections are leveled with first section before securing additional section to surface. Make sure joint end-blocks are tight and even to ensure a straight installation.



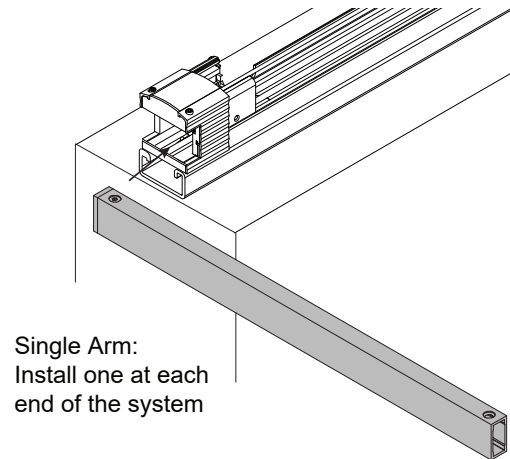
Vode provides a luminaire quick connect line voltage connection

## Installation Instructions

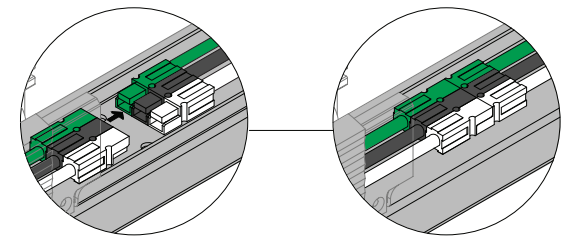
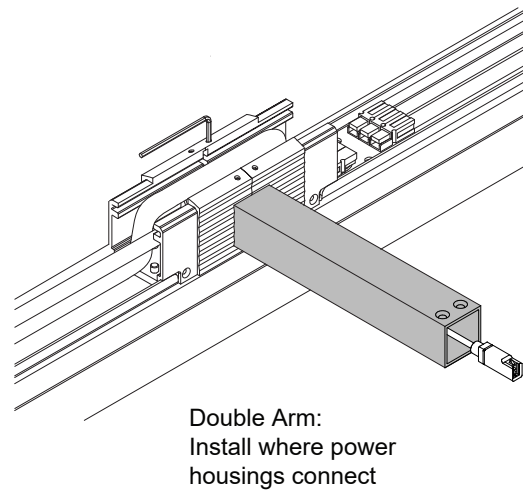
### 3 Arm and Wire Harness Installation

Only one single arm will have a wire harness, all double arms use one wire harness, as shown below.

**For Single Rail Systems:** Install single arms at the ends of system and secure with provided screws. Feed fixture power harness through arms on right side of each fixture. Leave 1" of loose wire.



**For Multi Rail Systems:** Install single arms at ends of system and secure with provided screws. Double arms are installed where two integral power housings meet. Feed fixture power harness through arms on the right side of each fixture. Leave 1" of loose wire. Make power harness connections on all joint-sections by feeding the provided White/Green/Black power harnesses for power (and Grey/Purple power harness for dimming if applicable), through the arm connection. Make sure mating connectors are completely secured to ensure that system will work properly.



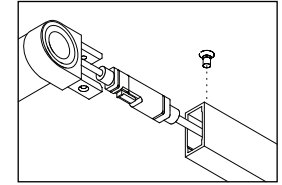
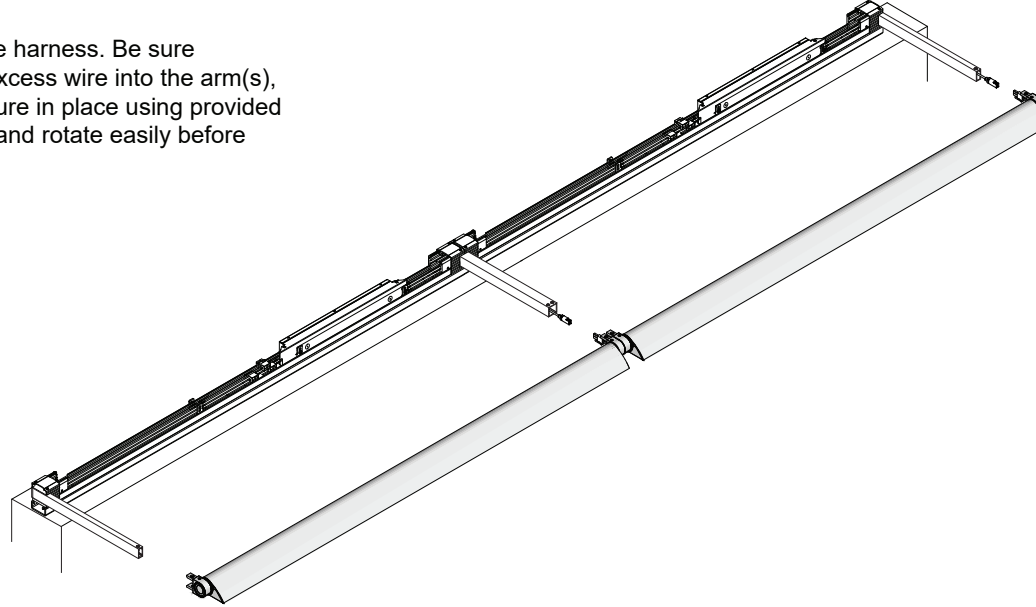
#### Power Harness Connection

**NOTE:** Power harness is only provided for multi-rail systems

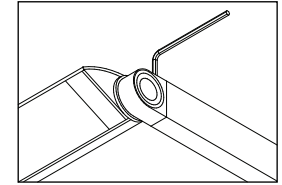
## Installation Instructions

### 4 Rail installation

Connect rail wire harness to power wire harness. Be sure connectors are firmly fastened. Push excess wire into the arm(s), insert rail hub into arms and lightly secure in place using provided screws. Ensure both hubs are aligned and rotate easily before securing. **DO NOT FORCE.**



Connect rail wire harness to power wire harness



Rotate rail and secure in place.

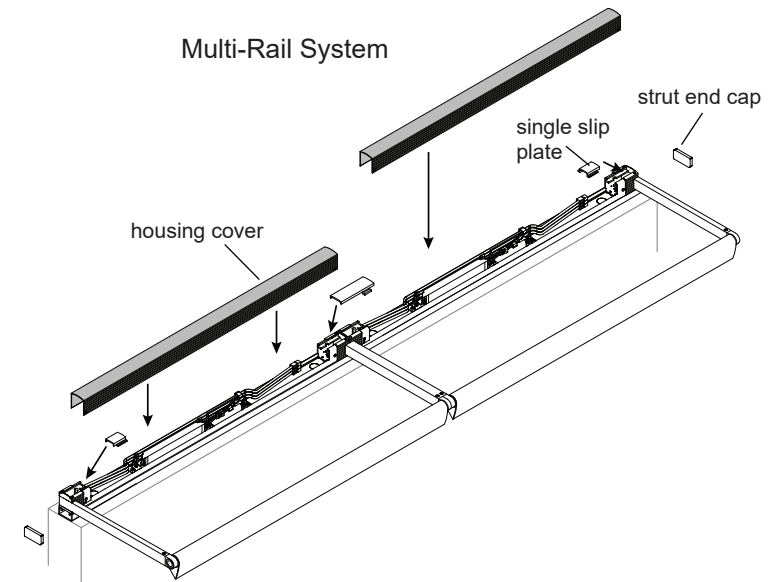
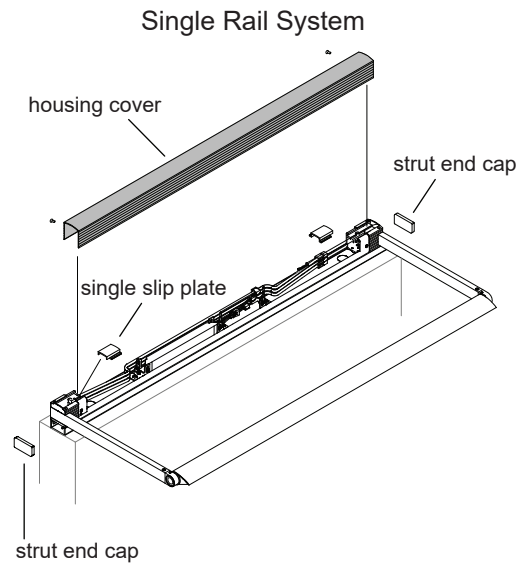
### 5 Finish Installation

Install slip plates as shown below. Single plates on both ends of system and double slip plates at all mid-sections.

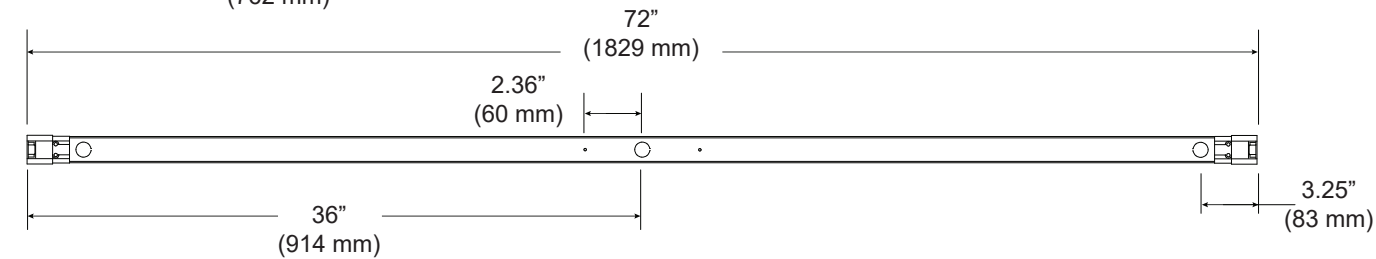
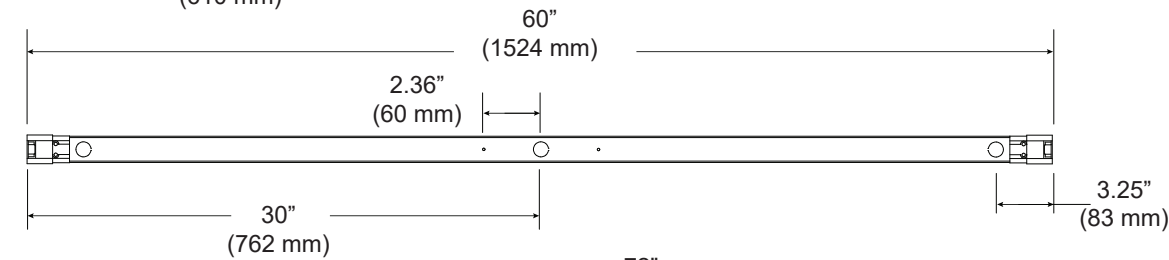
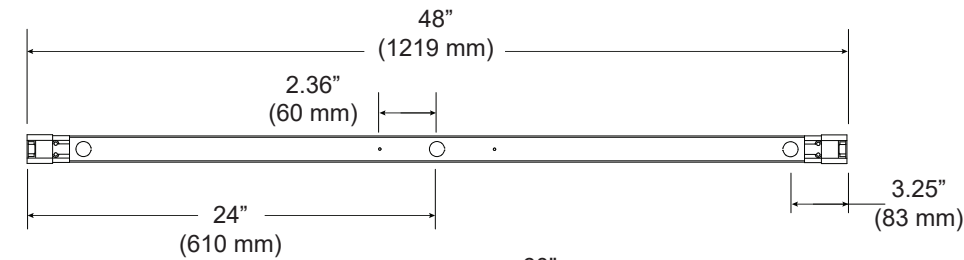
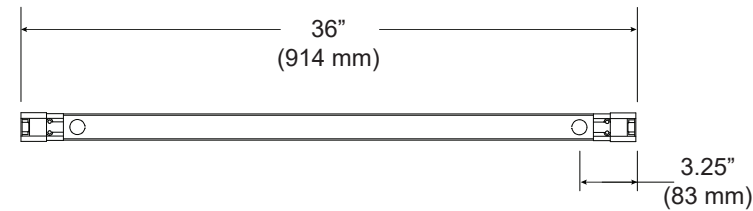
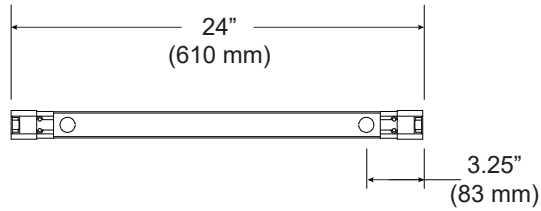
**IMPORTANT:** Before installing the rest of the power supply housing covers, power system on and make sure the entire system is fully operational.

Replace housing covers making sure wires are not pinched between integral ballast housing and housing cover. Secure with screws provided.

Snap strut end cap and ballast housing end cap on both ends of system.



## Appendix | Knock-Out Location



**NOTE:** Power always comes in the right side of the fixture. In single driver systems the driver is always installed on the right side with the screws facing away from the finished side.

**NOTE:** 48", 60" and 72" power housing have two extra mounting holes in the center

**NOTE:** For non-standard length housings, contact factory for customer specific installation guide with the number of knock-outs provided and their corresponding locations.

## Appendix

### Trouble Shooting Guide

#### Fixture will not turn on:

Check all wiring is correct and all connections are fastened properly.

If all wiring is correct, remove fixture and connect it to a known working driver. If the fixture lights up, then the problem is with the installed driver or wiring:

- 1) Check line voltage to driver is present.
- 2) Check driver wiring (see **Vode Driver Guide for details**) and check wiring to fixture.
- 3) Check driver and dimming system are compatible (see **Vode Dimmer Guide and the dimmer manufacturer's website**).

If fixture still doesn't light up, check all dimming wires are installed correctly. Reversed polarity at any point in the system will cause the entire system to not work, (see **Vode Driver Guide for wiring details**).

#### Fixture is not dimming properly:

Check all wiring is correct and all connections are fastened properly.

Check driver wiring (see **Vode Driver Guide for details**). Make sure driver is compatible with dimming controls (see **Vode Dimmer Guide and the dimmer manufacturer's website**).

#### Rail is not rotating:

**DO NOT FORCE RAIL!** When properly installed, rails will turn easily.

Check that both hub set screws are loose. If rail will still not turn, uninstall rail from arms, paying attention to the wire harness connection. Check that both hubs and arm tabs are rotated in the same direction.

**For any help with operation or technical information, contact Vode Tech Service at 707-996-9898 or [technicalsupport@vode.com](mailto:technicalsupport@vode.com).**

### Important Notes

- Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA
- Operating Temperature: 32°F to 104°F (0°C to 40°C).
- Input Voltage: 120v - 277v, 50/60hz.
- Power Type: Class 2 (<60v) constant current driver.
- Dimming curve is factory preset to linear. Logarithmic is available upon request. See Vode Driver Guide for specific details and wiring diagram.
- Unless specified, one driver per rail will be supplied.
- 5 Year Limited Warranty. All material and component parts manufactured by Vode are guaranteed to be free from defects of material and/or workmanship for a period of 5 years from date of sale. Product must be installed according to Vode installation instructions and accepted trade practices. Power supplies and other auxiliary equipment is not covered under Vode warranty but may be covered by separate OEM warranty.