**vode**® Adaptive architectural lighting systems

# Ceiling-Wall Arm | 107 | BoxRail®, RaceRail®, WingRail® | Remote Power | Zero Canopy™

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.

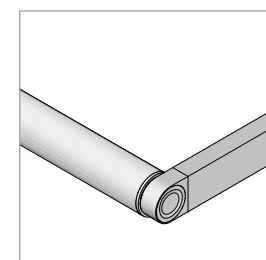Technical Support: 707.996.9898 or technicalsupport@vode.com
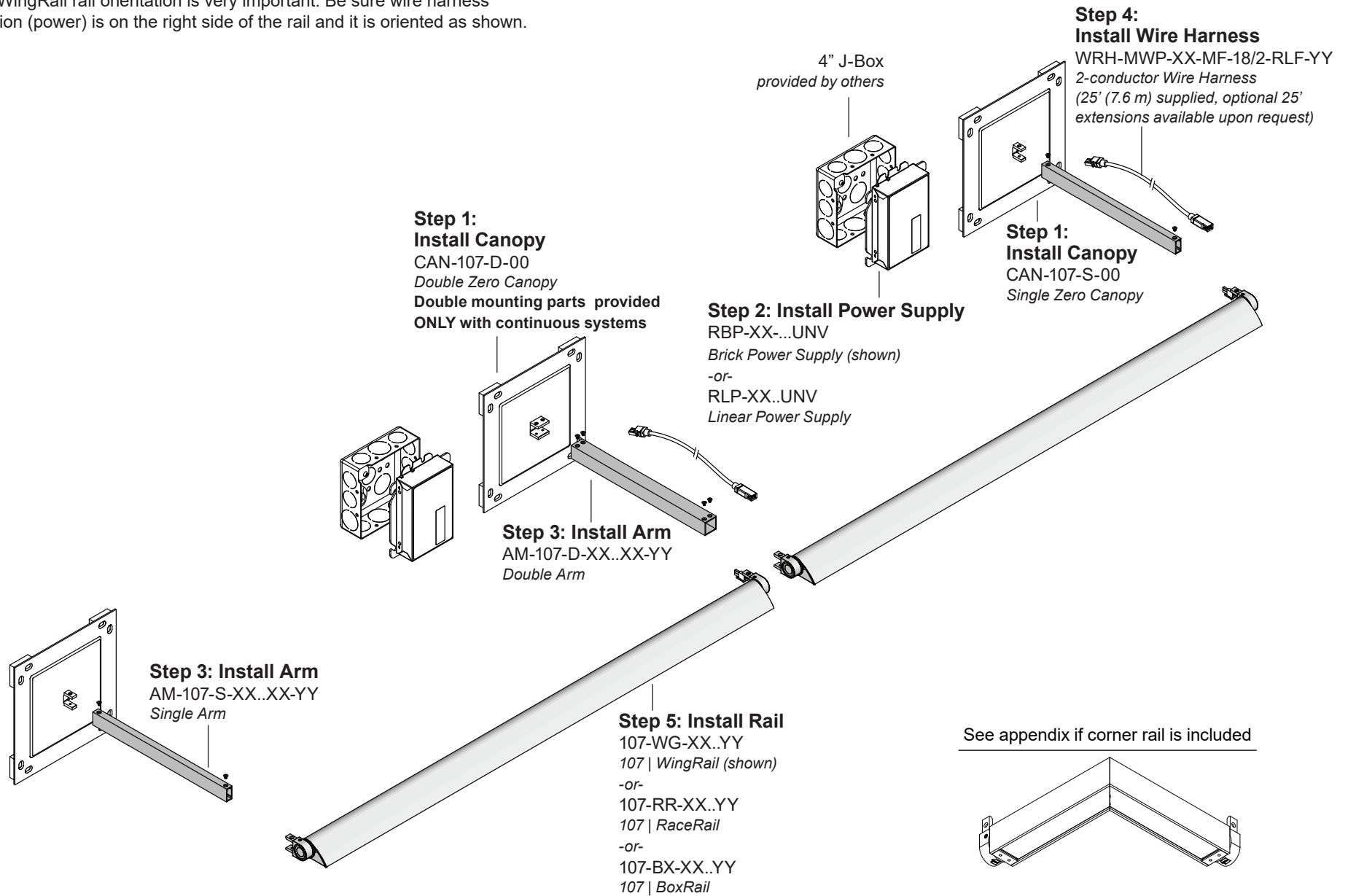
Installed View
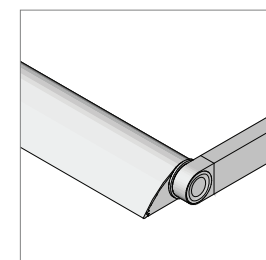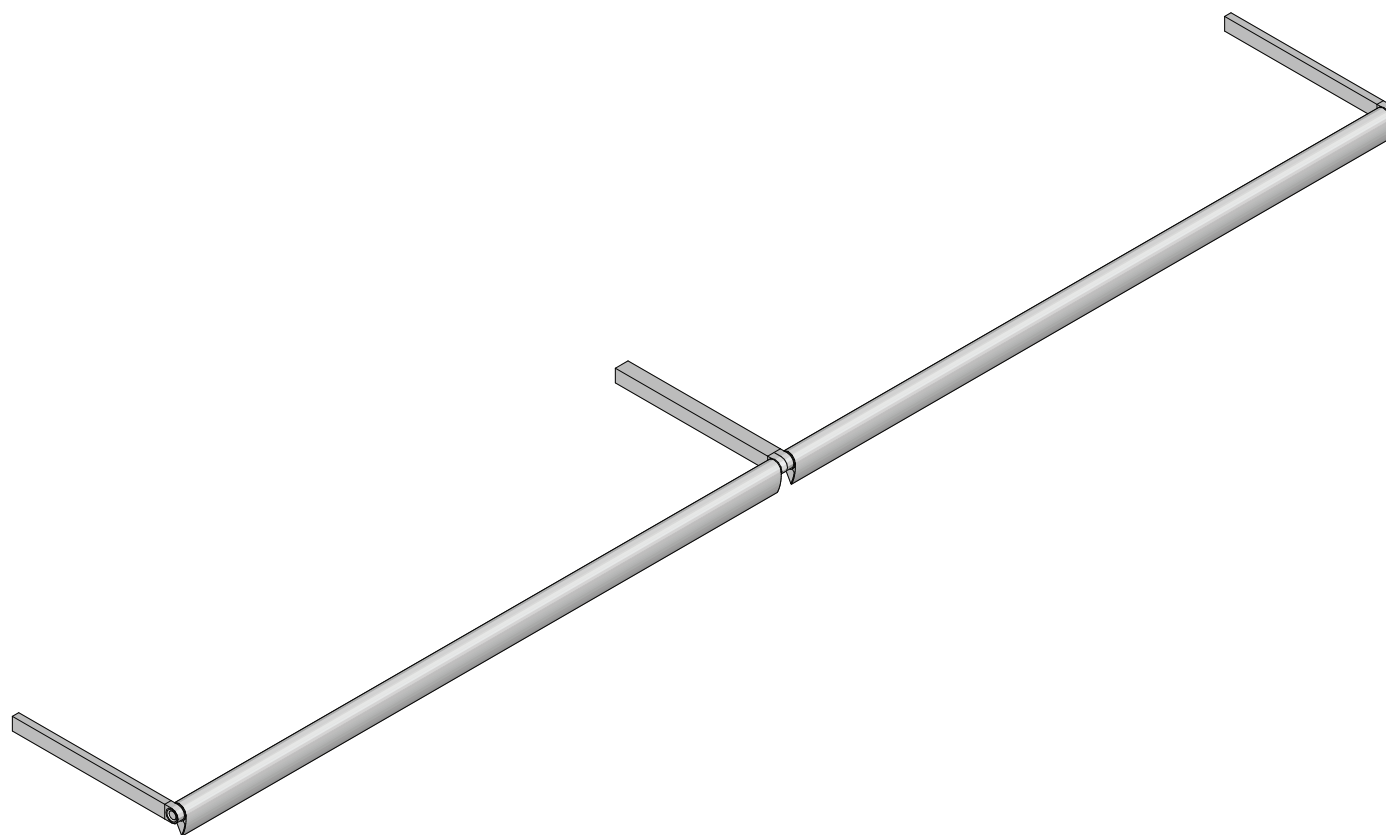
WingRail
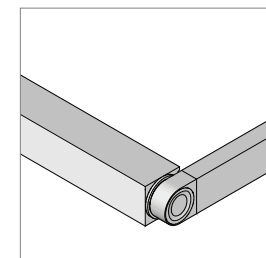
BoxRail

RaceRail

NOTE: Single Rail systems do not have any Continuous Mounting components.

NOTE: WingRail rail orientation is very important. Be sure wire harness connection (power) is on the right side of the rail and it is oriented as shown.

4" J-Box
provided by others

Step 4:
Install Wire Harness
WRH-MWP-XX-MF-18/2-RLF-YY
*2-conductor Wire Harness
(25' (7.6 m) supplied, optional 25'
extensions available upon request)*

Step 1:
Install Canopy
CAN-107-D-00
Double Zero Canopy
**Double mounting parts provided
ONLY with continuous systems**

Step 2: Install Power Supply
RBP-XX-...UNV
Brick Power Supply (shown)
-or-
RLP-XX..UNV
Linear Power Supply

Step 1:
Install Canopy
CAN-107-S-00
Single Zero Canopy

Step 3: Install Arm
AM-107-D-XX..XX-YY
Double Arm

Step 3: Install Arm
AM-107-S-XX..XX-YY
Single Arm

Step 5: Install Rail
107-WG-XX..YY
107 | WingRail (shown)
-or-
107-RR-XX..YY
107 | RaceRail
-or-
107-BX-XX..YY
107 | BoxRail

See appendix if corner rail is included

Step 1: Install Zero Canopy

Accurate placement and alignment is critical as it will determine the alignment of the entire system. Once mudded, NO adjustability is possible

Determine layout using center-to-center dimensions (*See page 5*). Zero Canopy is designed to be used with 5/8" drywall. Mount to blocking using screws (*provided by others*) but do not tighten. Ensure recessed portion of bracket is flush with the drywall. Re-check alignment, levelness, and tighten screws.

NOTE: Vode low voltage wire harness is plenum rated. Install conduit to power supply housing as needed, per local building code.

Canopy Positioning

Blocking

Conduit
(Provided by others)
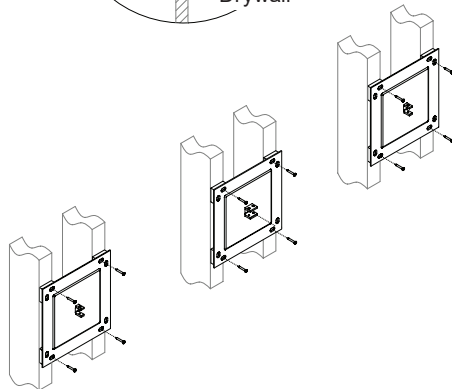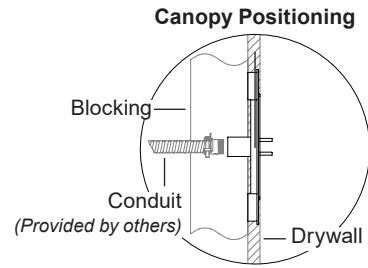
Drywall

Step 2: Install Remote Power Supply

IMPORTANT! If system will be supplied with a brick driver, j-boxes will be not be provided.

Refer to appendix for installation of remote power housing.
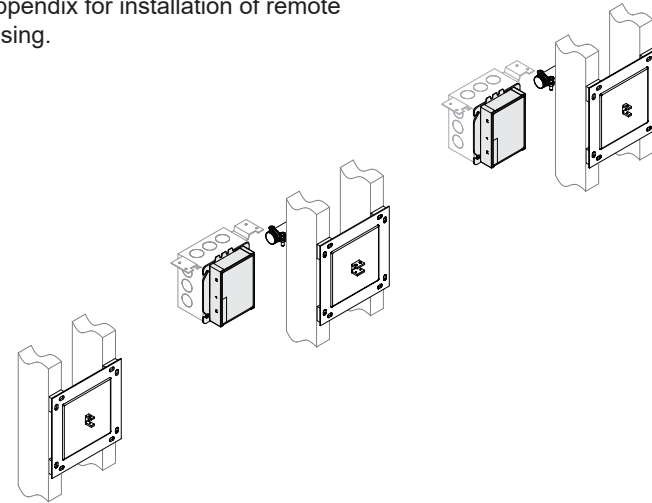
Step 3: Install Arms

After drywall, place arm over mounting flanges and secure using provided screws. Screws should be on top of arm or the least visible position for ceiling mount.
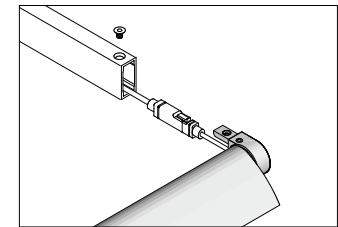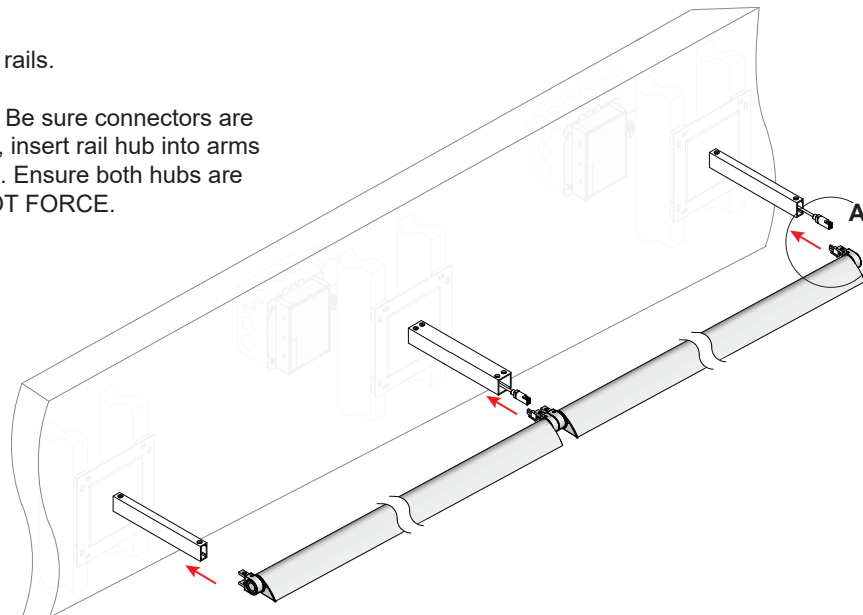
Tape up to edge ridge
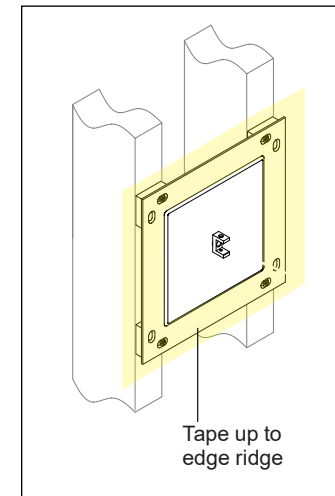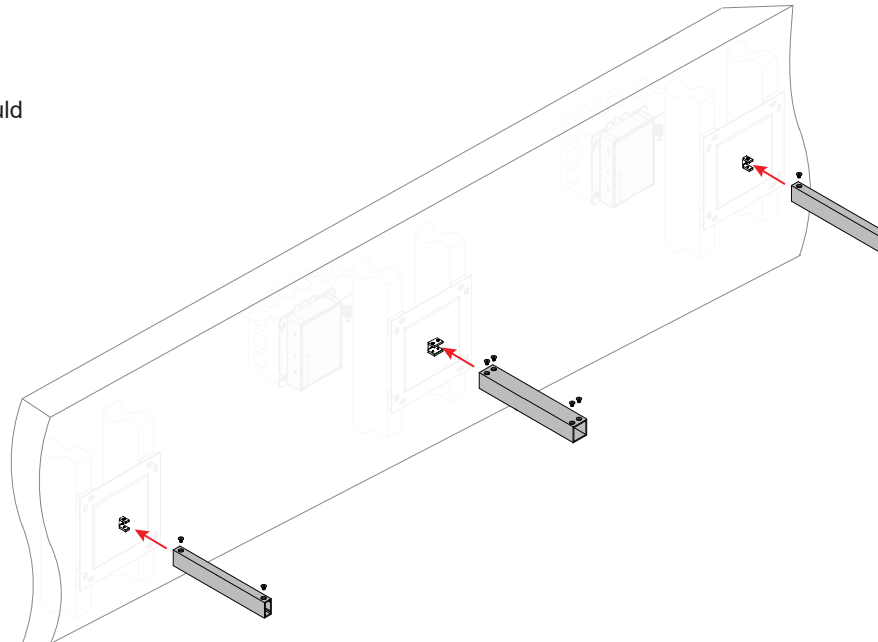
Step 4: Install Wire Harness

Feed low voltage wire harness through arm and canopy into remote power housing. Power should always be brought into the right side of the fixture. Connect supplied plenum rated wire harness to pre-installed wire harness on remote power supply and run to j-box. Leave approximately 1" of wire harness hanging out of the arms.

DO NOT POWER ON

Pull wire harness leads to power housing
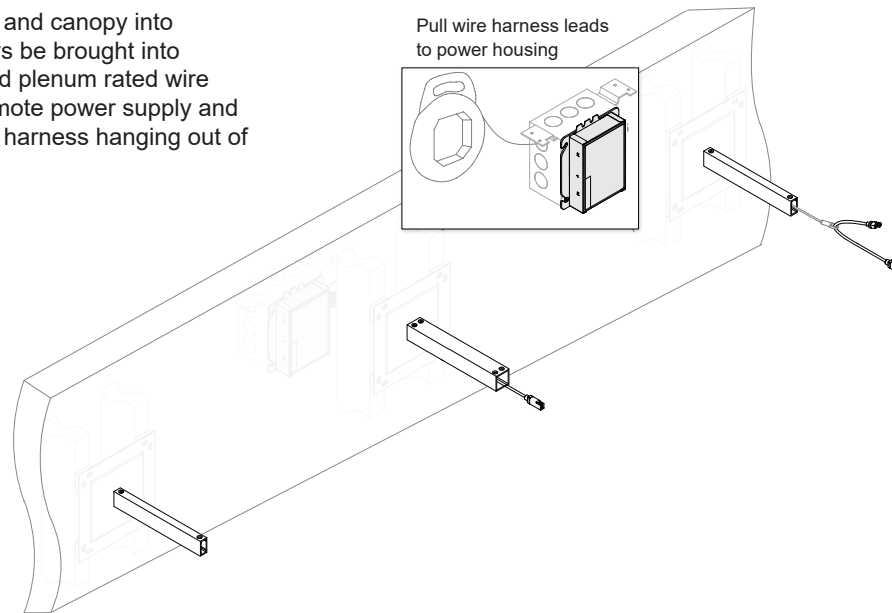
Step 5: Install Rail

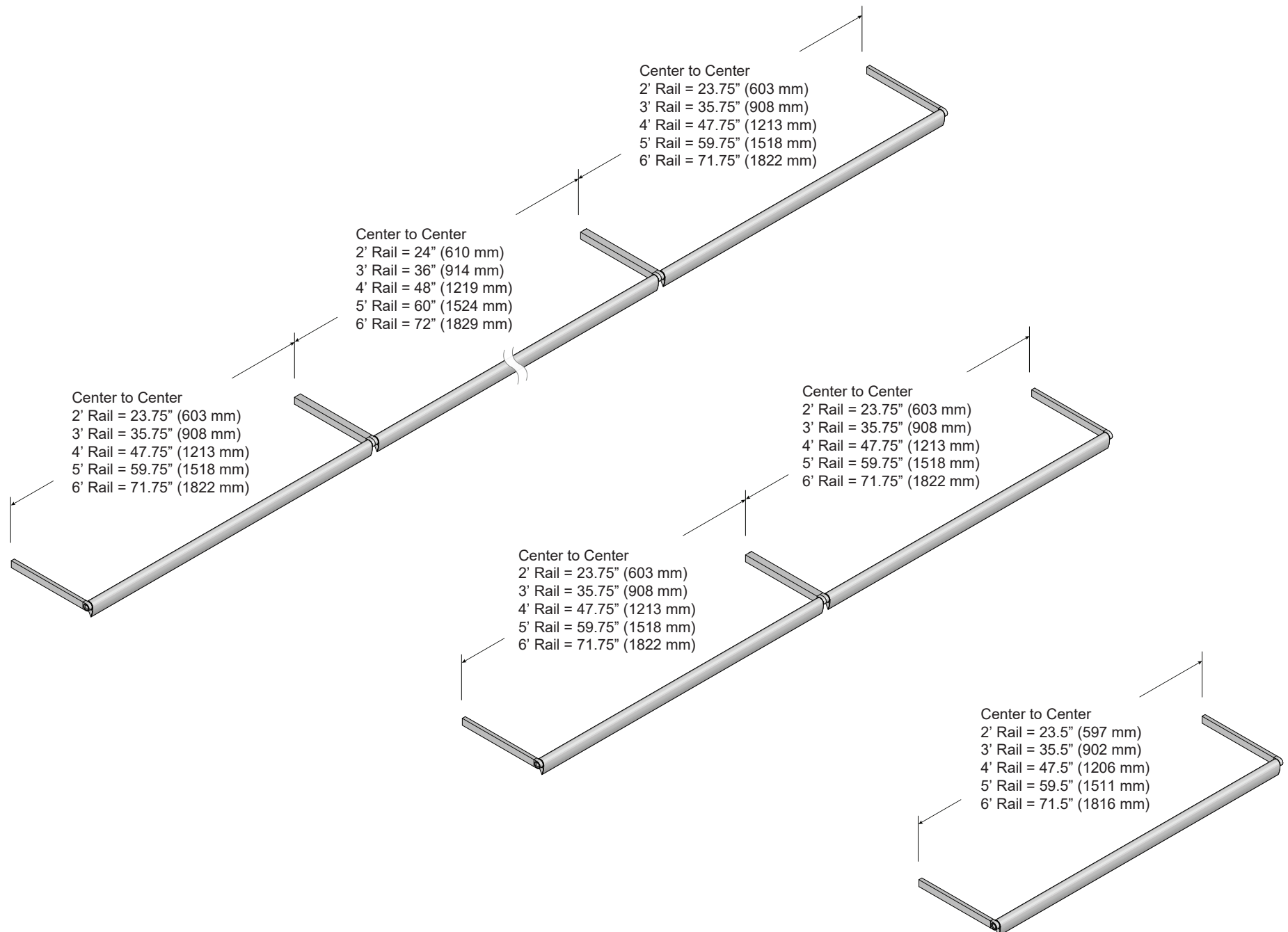**NOTE:** If included, install corner rail piece before rails.

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.

POWER SYSTEM ON

A

Detail A
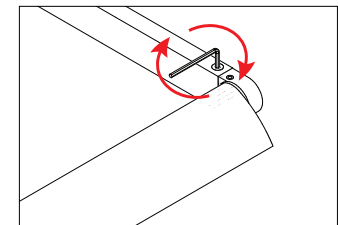
Rotate rail and secure in place.

Center to Center
2' Rail = 23.75" (603 mm)
3' Rail = 35.75" (908 mm)
4' Rail = 47.75" (1213 mm)
5' Rail = 59.75" (1518 mm)
6' Rail = 71.75" (1822 mm)

Center to Center
2' Rail = 24" (610 mm)
3' Rail = 36" (914 mm)
4' Rail = 48" (1219 mm)
5' Rail = 60" (1524 mm)
6' Rail = 72" (1829 mm)

Center to Center
2' Rail = 23.75" (603 mm)
3' Rail = 35.75" (908 mm)
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5' Rail = 59.75" (1518 mm)
6' Rail = 71.75" (1822 mm)

Center to Center
2' Rail = 23.5" (597 mm)
3' Rail = 35.5" (902 mm)
4' Rail = 47.5" (1206 mm)
5' Rail = 59.5" (1511 mm)
6' Rail = 71.5" (1816 mm)

Install Corner Rail

Install corner rail, following rail installation instructions, when directed.

If need be, corner rail can be dissembled and cut to size on site. Carefully remove one hub, using hex key to loosen, then lens. Using hex key, remove corner bracket to release extrusion. Cut one or both rail extrusion sides, being sure to sand cut edge smooth to ensure rail can be assembled properly.

Lens

Rail Hub

Rail Extrusion

Corner Bracket
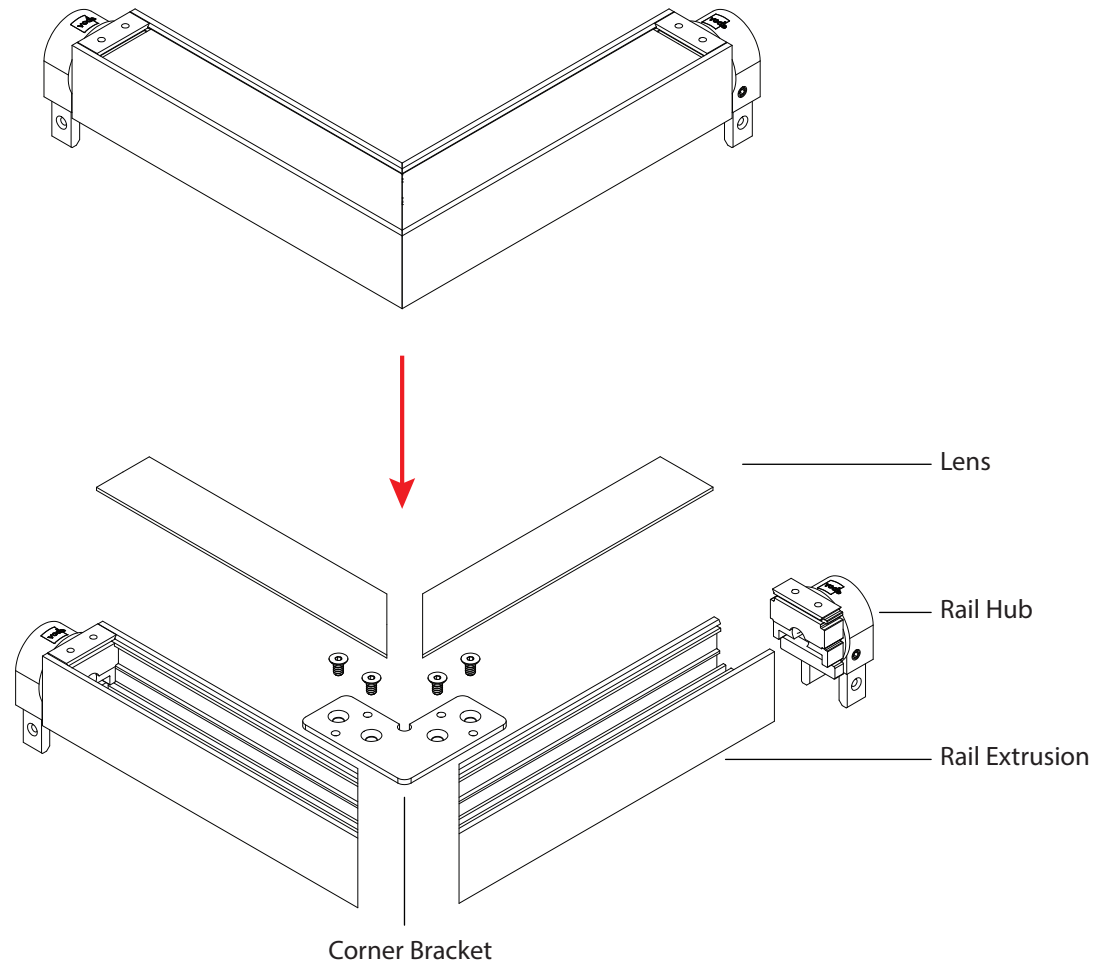
Vode provides cable tie-back support for all Wall Mount systems with arms 18" and longer to prevent sag.

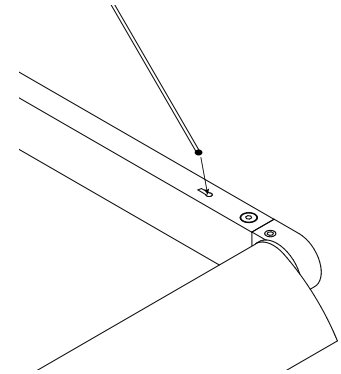**NOTE:** Install cable tie-back support **AFTER** securing the rest of the system.

Step 1: Install Anchor

Carefully unscrew anchor from cable coupler. Using supplied screw, secure anchor to wall for all single and double arms. Cables should be installed at a 45° angle.
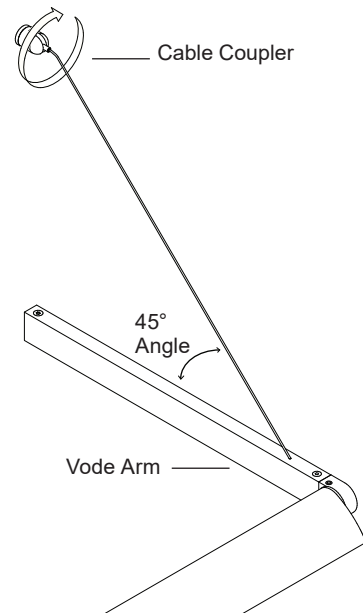
Anchor
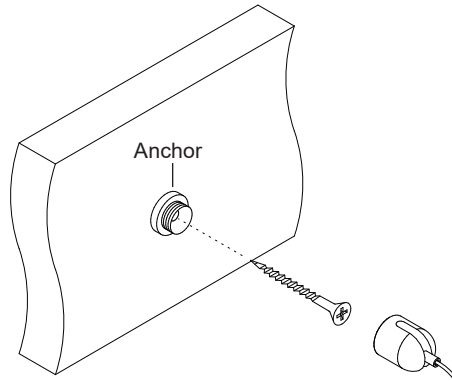
Step 2: Install Cable

Insert cable into arm keyhole.

Step 3: Secure Cable(s)

Screw cable coupler to back plate.

Cable Coupler

45° Angle

Vode Arm

Step 4: Adjust System

Adjust cable using cord gripper to level system. Once level, cut excess cord, leaving at least 2 mm.

Code Gripper: Push to release grip and adjust cord length.
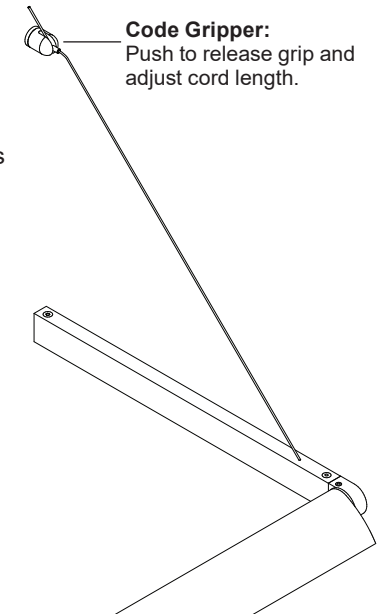
Install Remote Brick Power Supply

IMPORTANT! Before any installing power supply, turn off electricity at circuit box.

NOTE: Vode Brick style driver mounting plate is designed to mount only to 4" Square metal j-boxes with a minimun volume of 21 cu. in.

Install j-box (*provided by others*) to desired surface using screws (*provided by others*). Run line, ground and neutral wiring and any applicable dimming contols into j-box through knockout and secure in place, using conduit as necessary per local coding. Use wire nuts (*provided by others*) to make a secure connection between all wiring. (*The provided wire leads are 18 AWG solid core*).

DO NOT power on system until instructed.

For remote power supply maximum distance or wiring questions, please consult **Vode Remote Power Guide.**

NOTE: If power housing is supplied pre-wired with cord and plug and wire harness installed, skip above steps and power system when instructed by pluging system into a standard outlet.

Max Remote Driver Distance

Driver	Remote Distance
eldoLED	100' (30.5 m)
Lutron	**See Vode Power Guide**

For other wiring questions and driver specific information, see **Vode Remote Power Guide**.
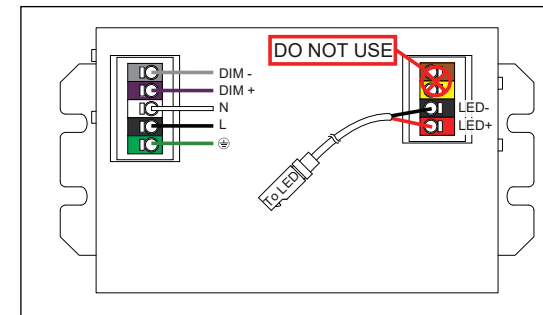
Example Only
See Vode Remote Power Guide for wiring detail.
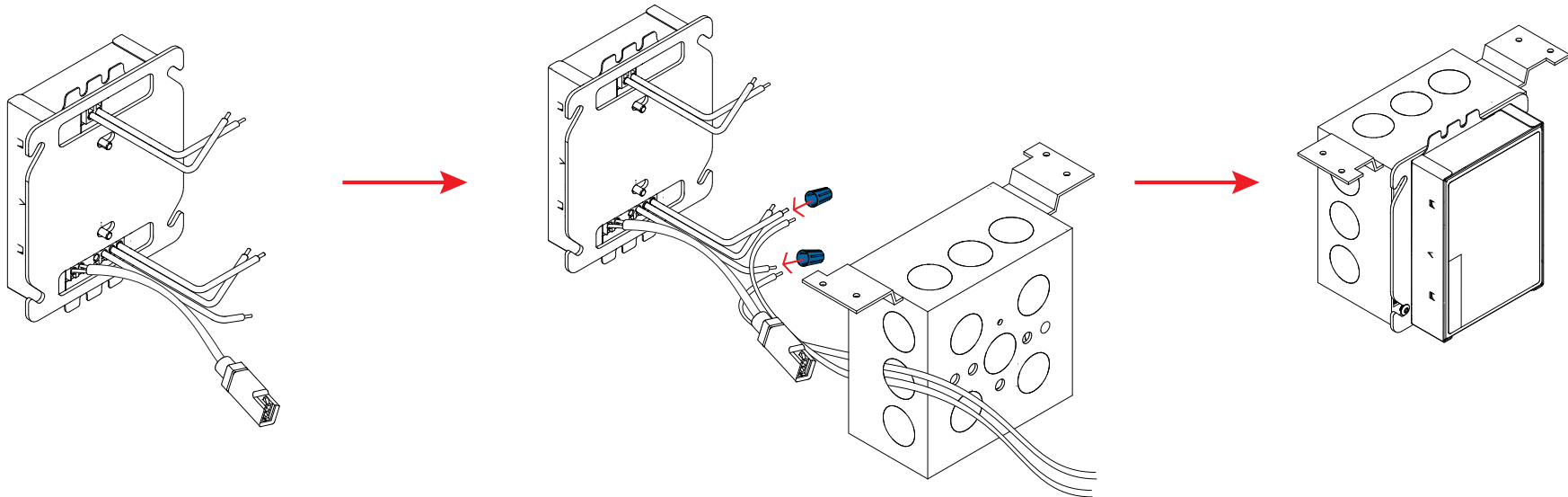
Install Remote Linear Power Supply

IMPORTANT! Before installing any power supply, turn off electricity at circuit box.

Vode recommends keeping track of which lids comes with which housing, as the lid contains important installation labeling.

Using the indicated tab, remove power housing lid to access mounting points. Install power supply housing to desired surface using screws (*provided by others*). Run line, ground and neutral wiring and any applicable dimming contols into power housing through any provided knockout and secure in place, using conduit as necessary per local coding. Use wire nuts (*provided by others*) to make a secure connection between all wiring. (*The provided wire leads are 18 AWG solid core*).

DO NOT power on system until instructed.

For remote power supply maximum distance or other wiring questions, please consult Vode Power Guide.

NOTE: If power housing is supplied pre-wired with cord and plug and wire harness installed, skip above steps and power system when instructed by pluging system into a standard outlet.

Use this tab to open power housing
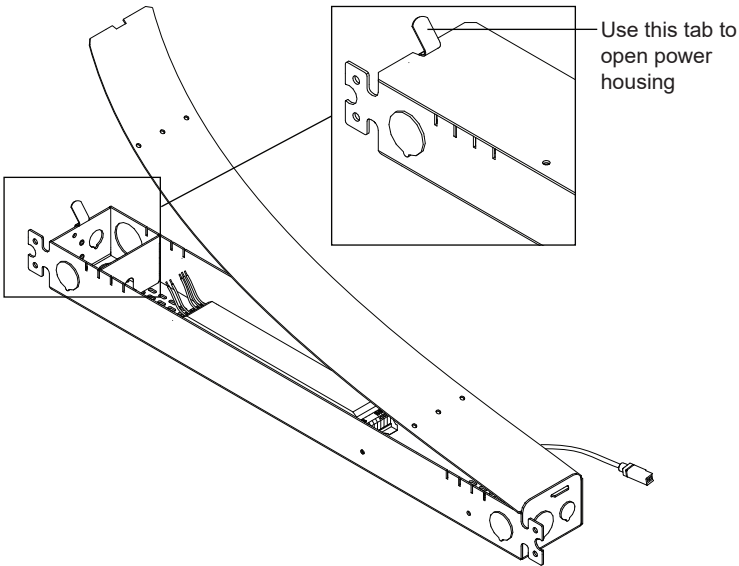
Remote Driver Distance

All Vode linear remote drivers come in a 0.054" (1.4 mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Power supply housing dimensions: 2 ⅜" (56 mm) x 1 ⅝" (33 mm) x 20 ¹¹⁄₁₆" (525 mm)

Driver	Remote Distance
eldoLED	100' (30.5 m)
OSRAM	100' (30.5 m)
Magnitude	100' (30.5 m)
Lutron	**See Power Guide**

For other wiring questions and driver specific information, see **Vode Remote Power Guide**.
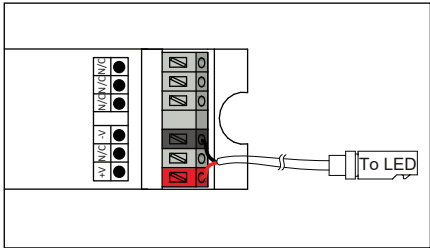
Example Only
See Vode Remote Power Guide for wiring detail.

Trouble Shooting Guide

My 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 Power Guide** for details*) and check wiring to
   fixture.
3) Check driver and dimming system are compatible (*see **Vode Power
   Guide** and the dimmer manufacturer's website*).

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

The fixture is not dimming properly:

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

Check driver wiring (*see **Vode Power Guide** for details*). Make sure driver is
compatible with dimming controls (*see **Vode Power 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 installation or technical information,
contact Vode Tech Service at 707-996-9898.**

Important Notes

- Listed to UL standards for damp location by a Nationally Recognized Testing
  Laboratory (NRTL) recognized by OSHA
- 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 are not covered
  under Vode warranty but may be covered by separate OEM warranty.