# vode

# Strut Mount | 807 | Nexa | Remote Power | Strut Channel Clip

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.
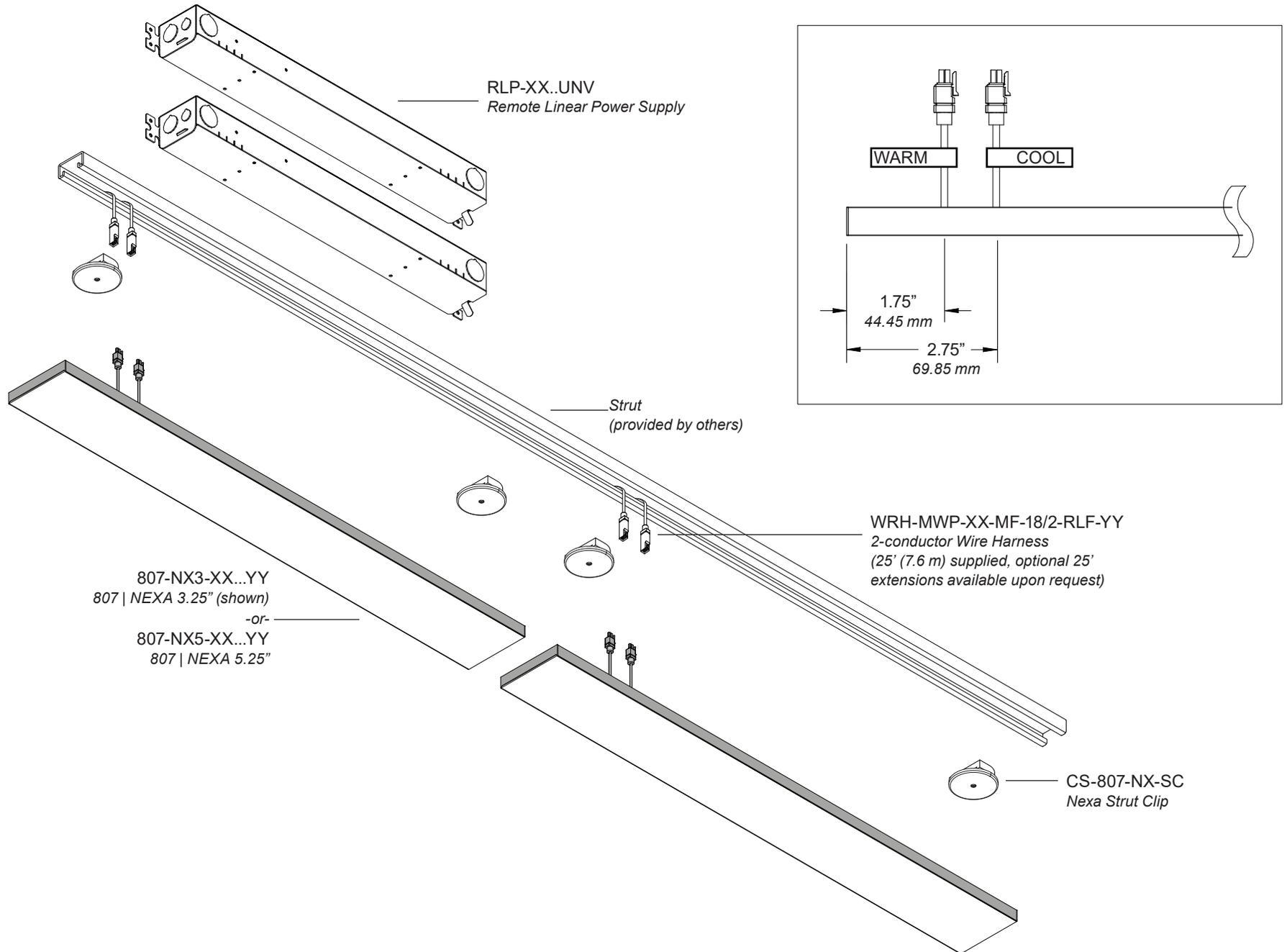
Technical Support: 707.996.9898 or technicalsupport@vode.com

## Installed View
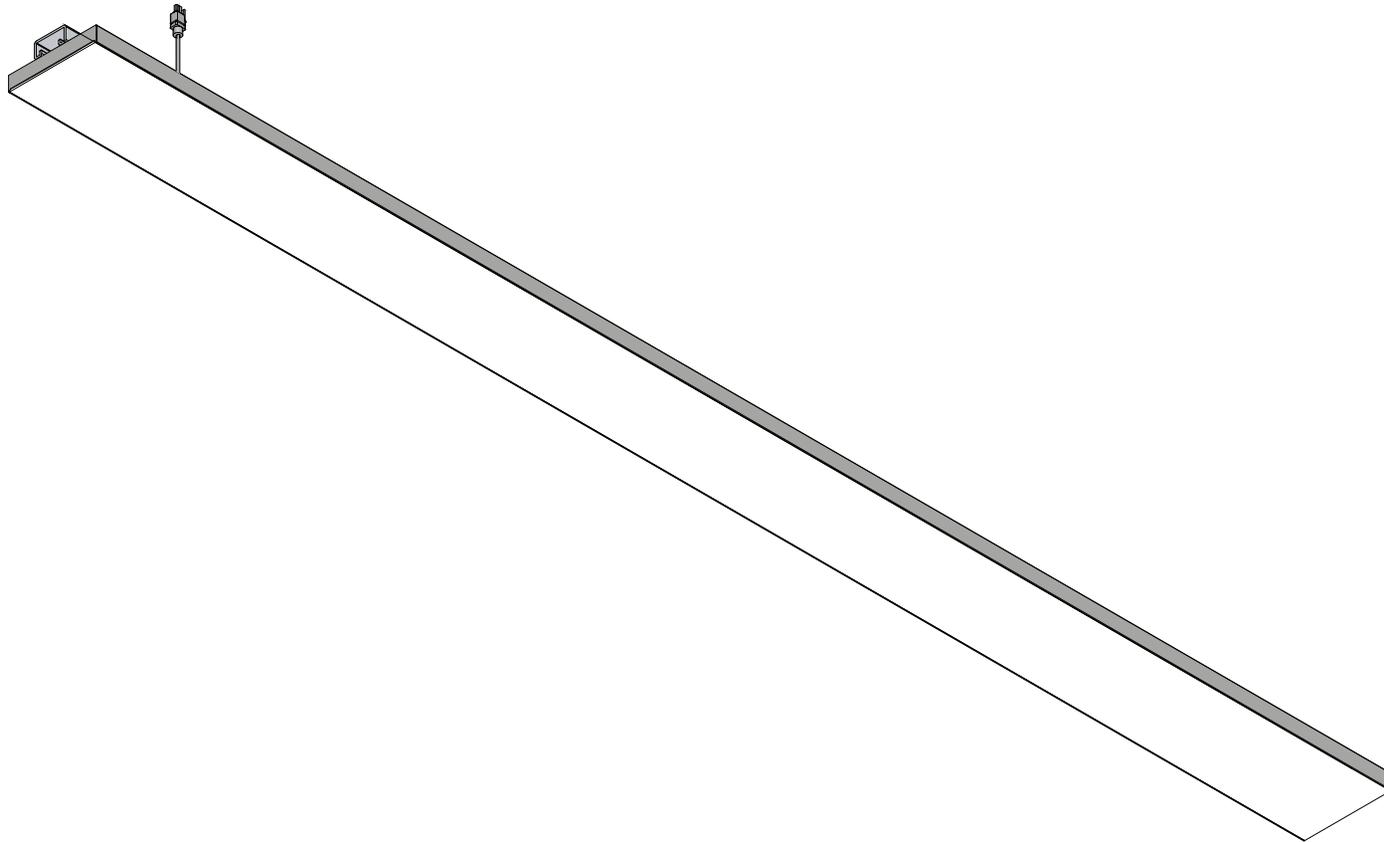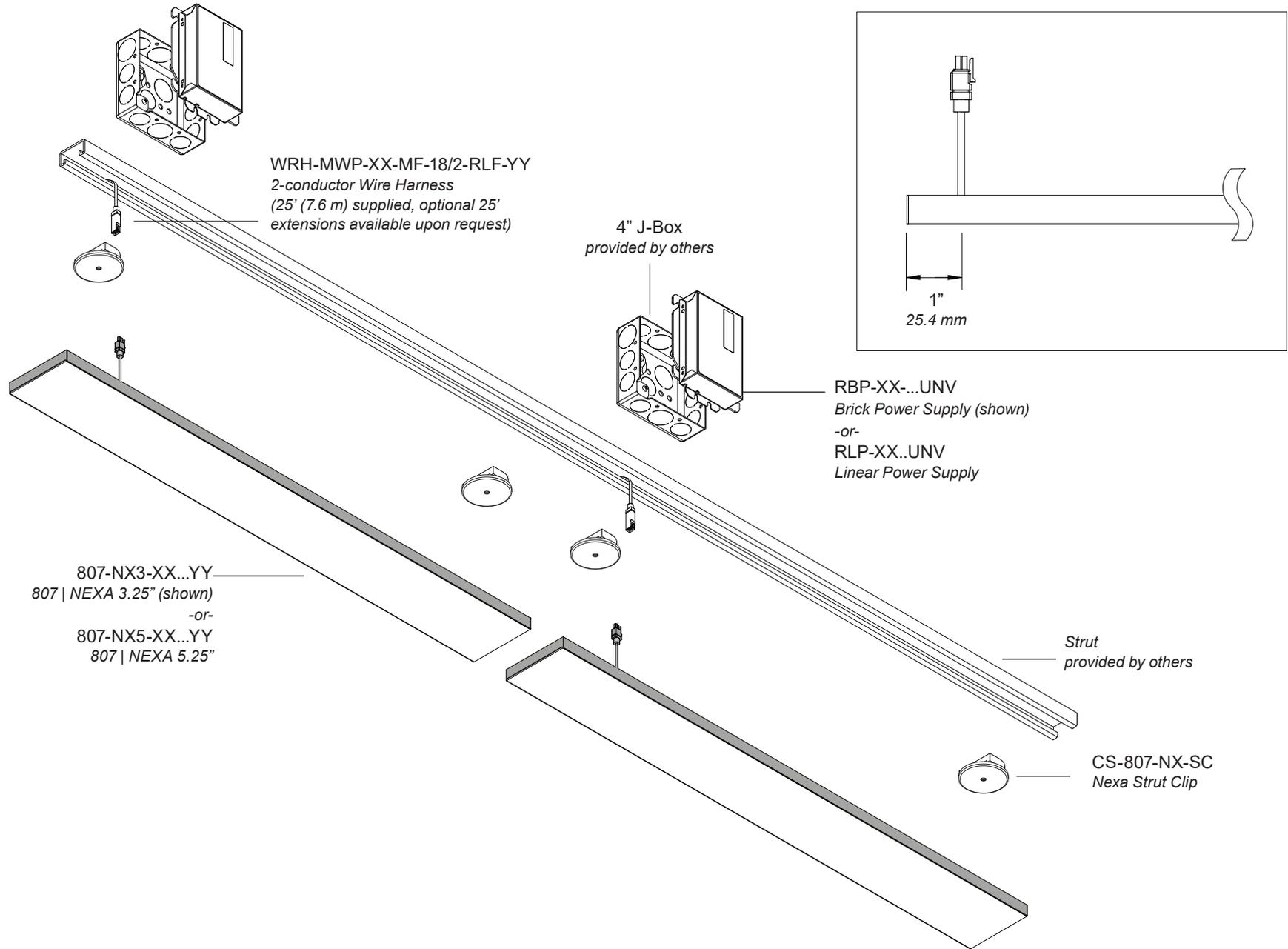
WRH-MWP-XX-MF-18/2-RLF-YY
*2-conductor Wire Harness
(25' (7.6 m) supplied, optional 25'
extensions available upon request)*

4" J-Box
*provided by others*

RBP-XX-...UNV
*Brick Power Supply (shown)*
*-or-*
RLP-XX..UNV
*Linear Power Supply*

1"
*25.4 mm*

807-NX3-XX...YY
*807 | NEXA 3.25" (shown)*
*-or-*
807-NX5-XX...YY
*807 | NEXA 5.25"*

*Strut*
*provided by others*

CS-807-NX-SC
*Nexa Strut Clip*

RLP-XX..UNV
*Remote Linear Power Supply*

WARM    COOL

1.75"
*44.45 mm*

2.75"
*69.85 mm*

Strut
*(provided by others)*

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

807-NX3-XX...YY
*807 | NEXA 3.25" (shown)*
-or-
807-NX5-XX...YY
*807 | NEXA 5.25"*

CS-807-NX-SC
*Nexa Strut Clip*

RLP-XX..UNV
*Remote Linear Power Supply*

White
Green

Blue
Red

1.92"
*48.78 mm*

3.13"
*79.55 mm*

*Strut*
*(provided by others)*

WRH-707-Z3-MWP-XX-MF-18/4-RLF-YY
*4-conductor Wire Harness*
*(25' (7.6 m) supplied, optional 25' extensions*
*available upon request)*

807-NX3-XX...YY
*807 | NEXA 3.25" (shown)*
-or-
807-NX5-XX...YY
*807 | NEXA 5.25"*

CS-807-NX-SC
*Nexa Strut Clip*
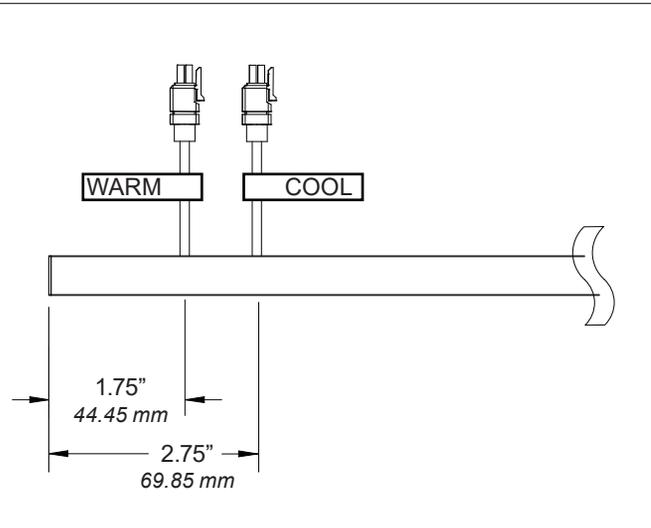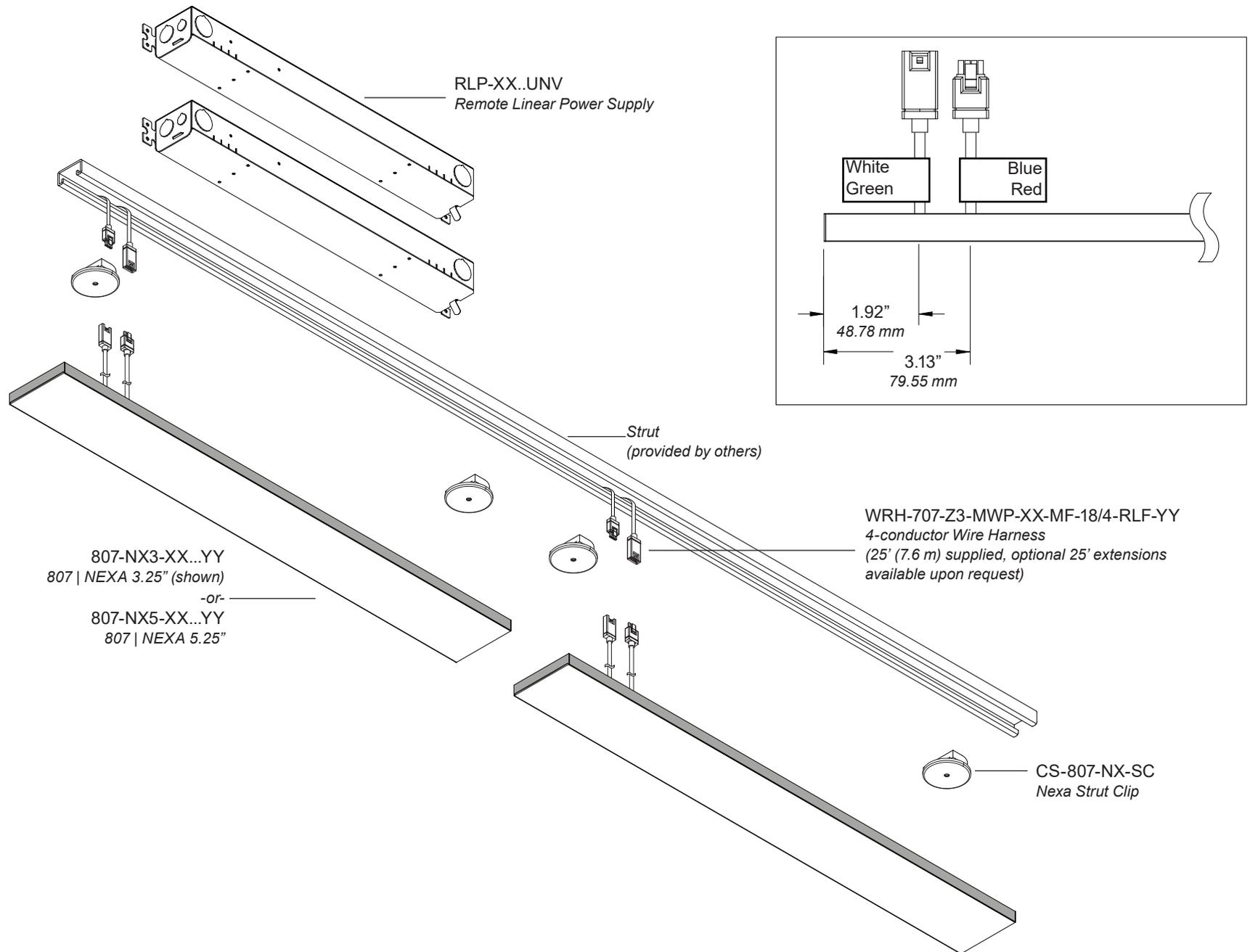
## Step 1: Install Strut to Mounting Surface

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

**NOTE:** Vode provided strut clip is designed for 1 3/8" wide strut.
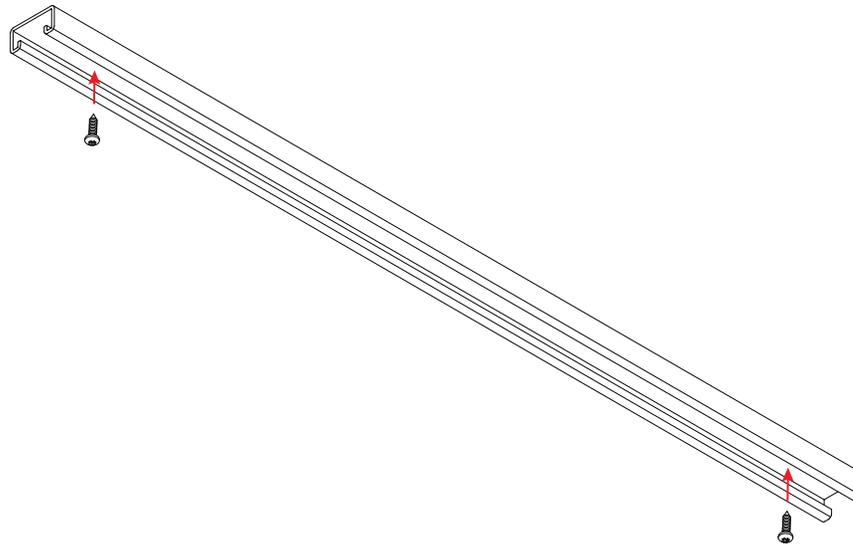
## Step 2: Install Power Supply

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

Refer to appendix for installation of remote power housing.

Drill hole, at least 0.5"Ø for two conductor and 1" Ø for 4 conductor, to feed low voltage wire harness through. Connect supplied plenum rated wire harness, provided by Vode, to pre-installed wire harness provided on remote power supply. Leave approximately 1" of wire harness hanging out of strut.

**DO NOT POWER ON**

**NOTE:** If using Tunable White or RGBW rails, more than one hole might be needed to run power. See parts diagram for power harness connetion location.
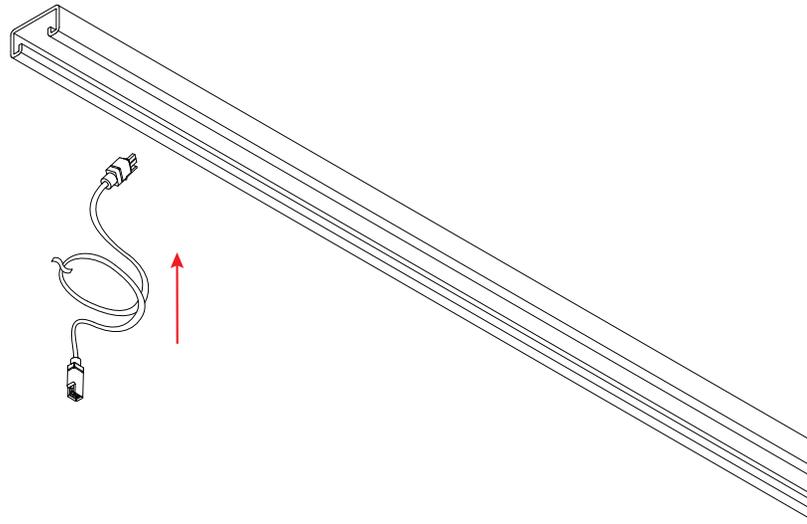
## Step 3: Install Mounting Clips

Install mounting clips to Strut in desired locations. Be sure to place magnets in alignment with pre-installed ferrous backers on the fixture. Rails are provided with 2 magnets per 24" - 60" fixtures, 3 magnets per 72" - 96" fixture and 4 per 108" - 144" fixture.

Turn the strut nut, as shown to fit into the strut. Once in place, tighten screw using 3/32" allen key.

**NOTE:** If necessary, rail ferrous plates can be adjusted to align better with clip placement on grid. This can be done by loosening both set screws and sliding the plate
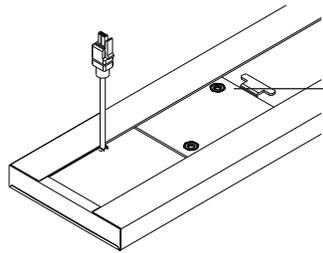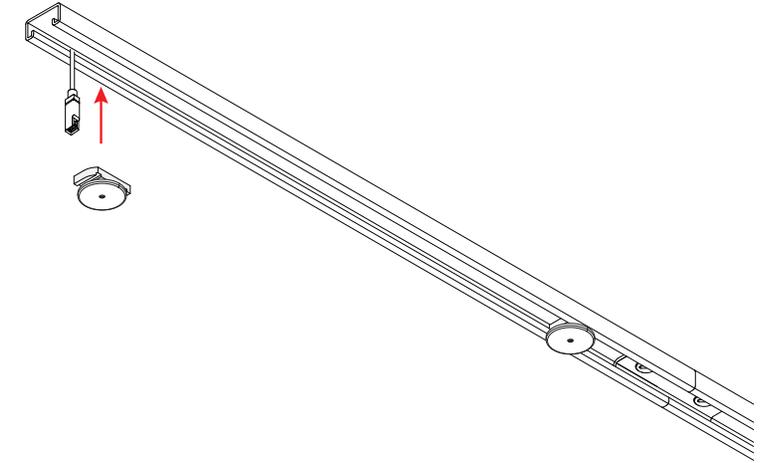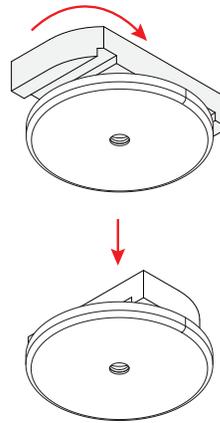
Use 3/32" Allen Key to adjust mounting plate as needed

## Step 4: Install Rail

Connect rail to power before installing onto clips. Connect fixture wire harness to power wire harness. Gently press fixture up, aligning with installed magnets, and snap in place.

Repeat with remaining rails.

**POWER SYSTEM ON.**

**NOTE**: Use caution when attaching rails. High power magnets will pull the rail to surface quickly. Make sure all wiring and fingers are out of the way.
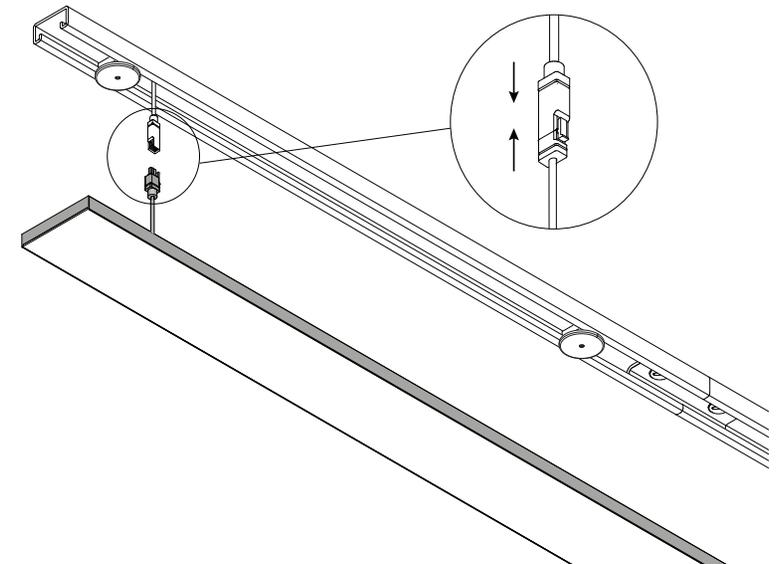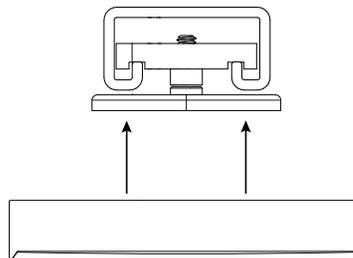
## Install Remote Brick Power Supply

**IMPORTANT!** Before installing any 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 minimum volume of 21 cu. in. Mounting plate contains important installation labeling, please consult to ensure correct driver is installed with correct corresponding rail.

Install j-box (*provided by others*) to desired surface using screws (*provided by others*). Run line, ground and neutral wiring and any applicable dimming controls 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 plugging system into a standard outlet.
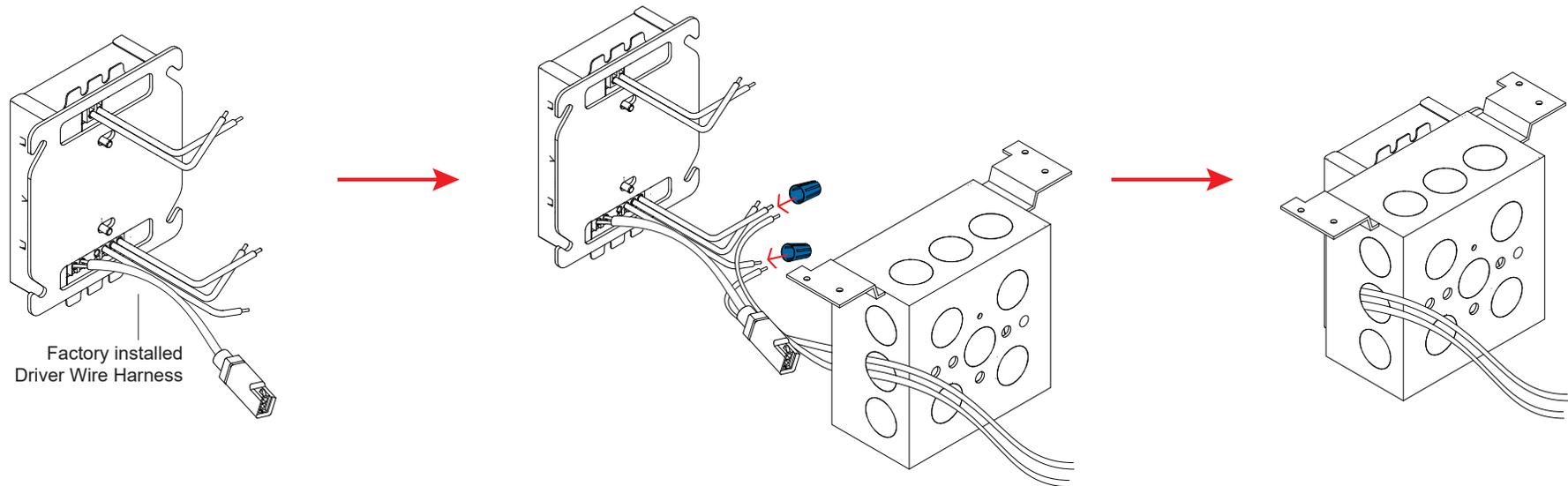
## Max Remote Driver Distance

| 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.*



Factory installed
Driver Wire Harness
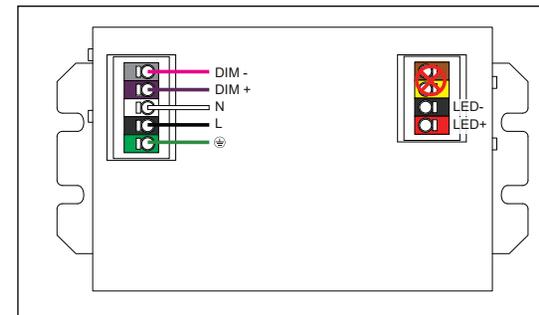
## Install Remote Linear Power Supply

**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 controls 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 plugging system into a standard outlet.



Use this tab to open power housing
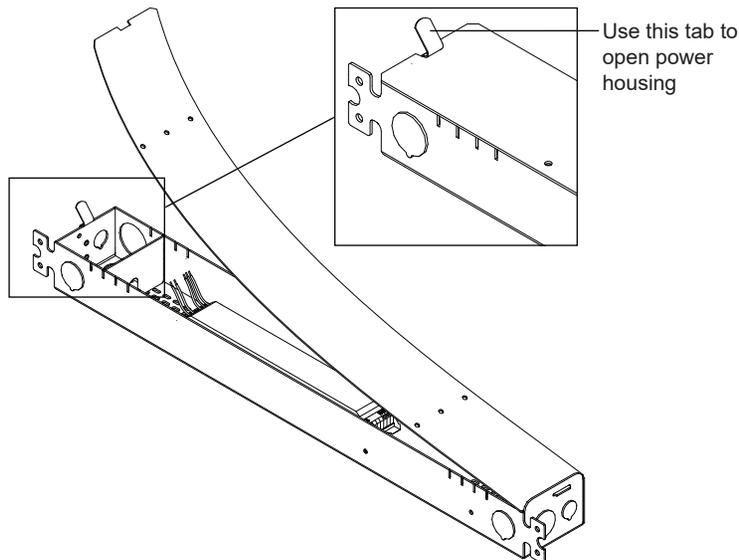
## Remote Driver Distance

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".

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

For other wiring questions and driver specific information, see **Vode Remote Power Guide**.
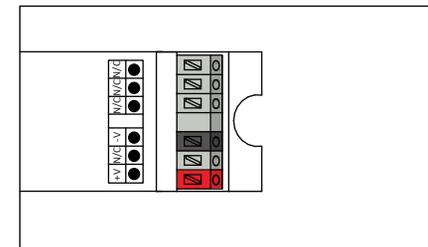


**Example Only**
*See Vode Remote Power Guide for wiring detail.*

## Trouble Shooting Guide

## Important Notes

**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*).

**For any help with installation or technical information, contact Vode Tech Service at 707-996-9898.**

- 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.
- Any modifications, alterations, or unauthroized adjustments to the wire harness, including but not limited to cutting or splicing, outisde of it's original factory configuration will void all warranties.