vode Adaptive Architectural Lighting Systems

Spec Guide

ZipTwo | Round 3515 | Ceiling Cable | 707

Red List Approved
Declare.

Direct lighting for open office and ambient applications.

Round 3515, Diffuse, white

Benefits & Features

Low Profile Design
Round profile. 1.38" (35mm) x 0.60" (15mm).

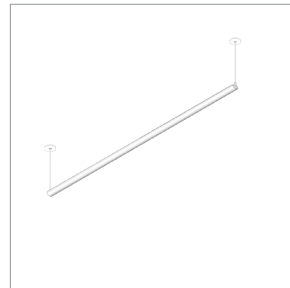### Superior Light Quality with High Diffusion
Output up to 1308 lm/ft (4290 lm/m) (HO), 134 lm/W HO. 80 or 90 CRI & tunable white (2200K-5000K) available.

Adaptive Power Body
Full range dimming power for all protocols. Integral or remote power available. Remote power available up to 100' (30.5m) away.

High Diffusion & Uniform Distribution
Wide, soft distribution without diode image.

Small Round Canopy

Integral Power

Build Your Specification

707-Z2	S			CC	▶▶

System & Rail Type	System Type	System Length	Rail Length	Mounting	Arm/Cord Length
707-Z2 ZipTwo	**S** Suspended	Specify overall system length in ft/in or M/mm. *Corner and Shapes Available* **See Guide** *for details.*	**24** 24" (610mm) **36** 36" (914mm) **48** 48" (1219mm) **60** 60" (1524mm) **72** 72" (1829mm) **96** 96" (2438mm) **108** 108" (2743 mm) **120** 120" (3048 mm) **132** 132" (3352 mm) **144** 144" (3658 mm) **ZZ** Other rail length or layout (please specify) See **Rail Length Chart** for more details. ⚠ **Custom lengths may result in light gaps on the fixture. See Rail Length Chart for more details.**	**CC** Ceiling Cable	**48** 48" cord (1219mm) **96** 96" cord (2438mm) **ZZ** Other (please specify)

▶▶			▶▶

Power Location	Power Type	Voltage	Emergency Power
Integral Power **IP** Integral Power **Remote Power** Specify mounting and harness length code example: **2R25, 2R50**...etc. **Mounting Option** **2R** Small Round Canopy **4R** Large Round Canopy **Wire Harness** **10** 10' (3.048m) Wire Harness **25** 25' (7.62m) Wire Harness **50** 50' (15.24m) Wire Harness **75** 75' (22.86m) Wire Harness **100** 100' (30.48m) Wire Harness	**Flexible 1 to 1 Power** **AE** 0-10V, 1.0% Dimming **AT** 0-10V, 0.1% Dimming **AD** DALI, 0.1% Dimming **AX** DMX, 100-0% Dimming **AH** Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE[1] **AH2** ELV 1% 2-wire (Forward and Reverse Phase) **Optimized Power** Add '**O**' to power type example: AE**O**, AT**O**...etc. [1] **VodeNODE** Add '**N**' to power type for Flexible 1 to 1 Power Add '**ON**' to power type for Optimized Power example: AE**N**, AT**N**, AE**ON**, AD**ON**...etc. [2] **ZZ** Other (please specify) See **Power Guide** for driver features & limitations.	**1** 120V **2** 120V - 277V **X** Not Yet Specified	**0** No Emergency Power **ZZ** Emergency Power *(specify requirements)*

▶▶	Z		S4	

LED Type	Lumen Output	Color Temperature	Optics	Sensors [3]
Z Zipper Board	**LO** Low Output **SO** Standard Output **HO** High Output **ZZ** Other (please specify) See **IES Files** page for details. See **Power Guide** for driver features & limitations.	**80+ CRI** **27** 2700K **30** 3000K **35** 3500K **40** 4000K **90+ CRI** **279** 2700K **309** 3000K **359** 3500K **409** 4000K **ZZ** Tunable White Available **See Guide** for details.	**S4** Round 3515, Diffuse	**0** None **ENC** Canopy with integrated Enlighted Micro Sensor **WSC** Canopy with integrated Legrand Wattstopper sensor **LAC** Canopy with integrated Lutron Athena sensor **ZZ** Other (please specify)

▶▶	WH	

Finish	Options
WH White	**0** None **9** 9' 18/3 Cord and Plug **CP** Chicago Plenum **LLLC** Luminaire Level Lighting Controls

NOTES & LIMITATIONS

[1] *Optimized Power is not available with Hi-lume 1% EcoSystem (AHO) Power Type.*

[2] *VodeNODE enclosure is not available with ELV 1% 2-wire (AH2) Power Type.*

[3] *Sensors, drivers and control units that are integrated into Vode fixtures are discrete components that communicate with network lighting controls. For more information about each network lighting control system, visit the manufacturer's website for additional system information and technical data sheets.*
For general information about network lighting controls, consult the DesignLights Consortium® (DLC) **Networked Lighting Control Qualified Product List**

Standard 5 Year Limited Warranty. See details **here**. *Contact factory for options on Limited Warranties up to 20 years.*

Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA. Certain limitations exist for each Certification. Contact factory for verification.

Applications

General Interior and Open Office

Round 3515, Diffuse

Round 3515, Diffuse

Declare Label

All Vode Lighting linear light fixtures proudly carry the Red List Approved designation.

See **International Living Future Institute** website for details.

Declare.℠

Vode Adaptive Architectural Lighting Systems
Vode Lighting LLC

Final Assembly: Sonoma, California, US
Life Expectancy: 10+ Year(s)
End of Life Options: Recyclable (100%)

Ingredients:

Anodized Aluminum (6063-T5 Alloy); Steel; Small Electrical Component (RoHS)[1]; Copper; Fluorinated Ethylene Propylene (masterbatch)[2]; Polymethyl methacrylate (PMMA); Stainless Steel; Polyoxymethylene Copolymer (POM); Styrene-butadiene polymer, hydrogenated; Poly(methyl methacrylate/butyl acrylate/styrene) (PMMA/BA/S); Styrene/butadiene copolymer; Distillates; Polypropylene; Calcium carbonate; Polycarbonate; EVA Copolymer; Methyl methacrylate (MMA); Polyphenylene Oxide; Brass; Tin, Organic

[1]LBC Temp Exception RL-002 - Small Electrical Components
[2]LBC Temp Exception RL-023 - Wire Sheathing Subject to NFPA 90A, NFPA 262, UL® 910

Living Building Challenge Criteria: Compliant

I-13 Red List:
☐ LBC Red List Free   % Disclosed: 100% at 100ppm
■ LBC Red List Approved   VOC Content: Not Applicable
☐ Declared

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

VDE-0001
EXP. 01 JAN 2025
Original Issue Date: 2018

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Red List Approved
Declare.

Structure

|	
Rail Lengths	24" (610mm) - 144" (3658mm). Modified lengths available. *See **Rail Length Chart** for more details.*
Rail Dimensions	1.38" (35mm) x 1.29" (33mm) x length.
Construction	Extruded and machined 6063 aluminum.
Mounting	Ceiling mount to jbox or driver housing.
Cable Length	48" (1220mm) and 96" (2438mm) available. Field adjustable. Non-standard cable lengths available.
System Run Length	24" (610mm) minimum. Unlimited maximum.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-85%, non-condensing.
System Weight	0.35 lbs per foot (0.16 kg per 305mm) Power supply and housing not included.

Materials

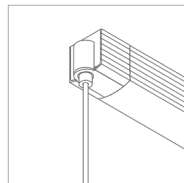|	
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Suspension Cable	Ø4mm, 22/4 AWG, TPE jacket, FEP-insulated, Red List Approved.
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910, Red List Approved.
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant, Red List Approved.
Remote Linear Power Housing	20.7" x 2.375" x 2.53", 0.054" formed Galvanized Steel.
Remote Brick Power Housing	4.32" x 3.37" x .078" Galvanized Steel mounting plate.
Integral Power Housing	extruded and machined 6063 aluminum.
Center Cable Suspension	3/64" aircraft cable.

Mounting Options

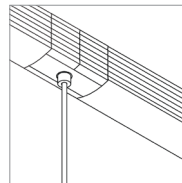**Remote Power**
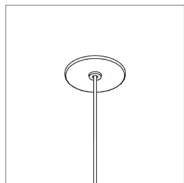
Small Round
Canopy
Ø2.5" (51mm)
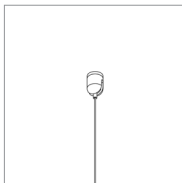
Center Support Cable
108" - 144" Rails Only

*Center Support Cable for
mounting to T-Bar tile available.*
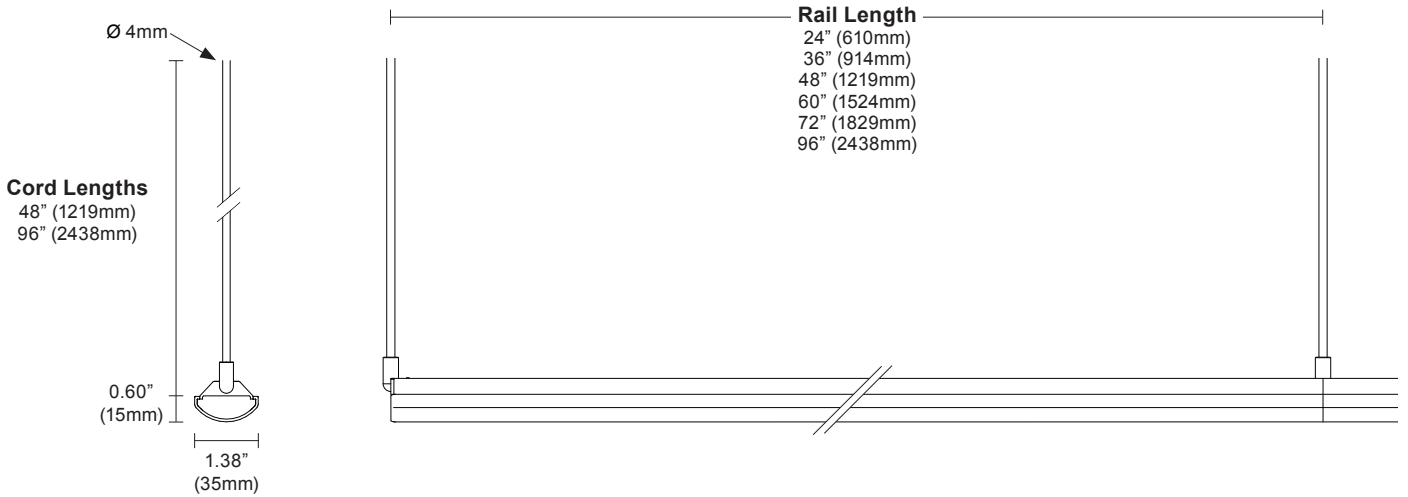
Integral Power (24"-72")
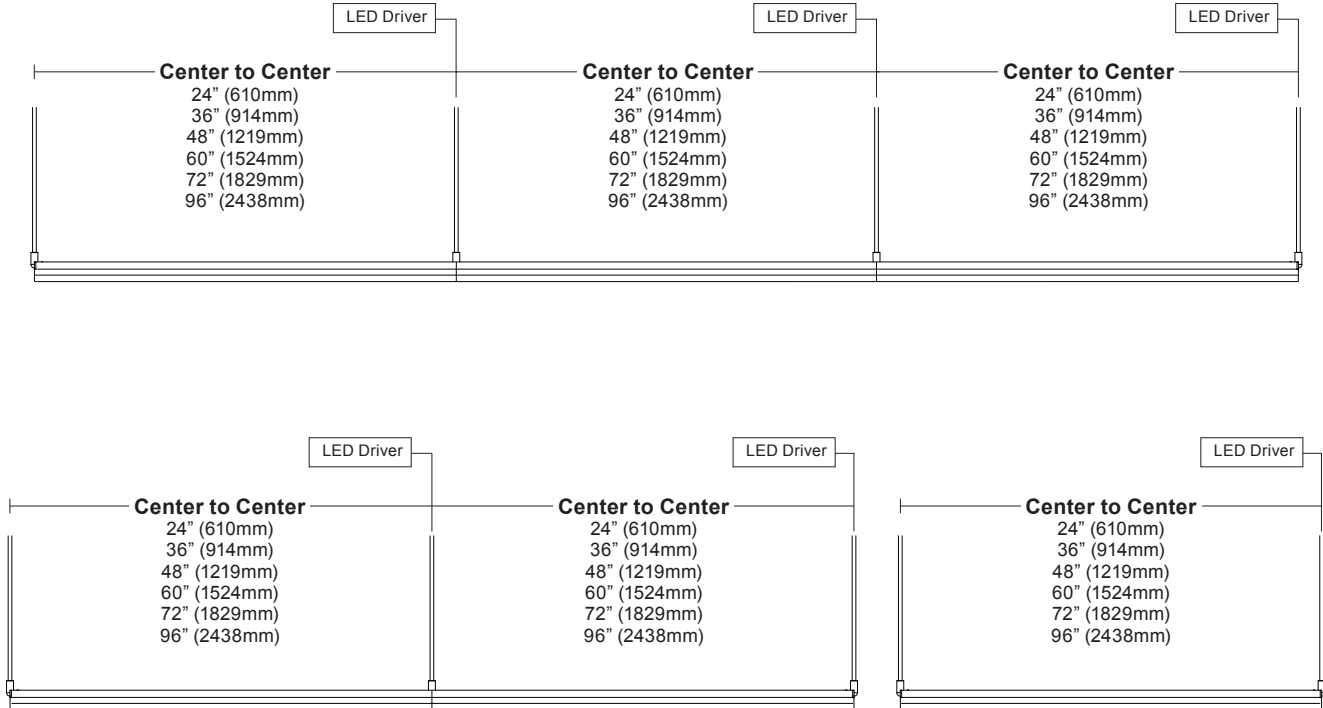

Integral Power
(end)
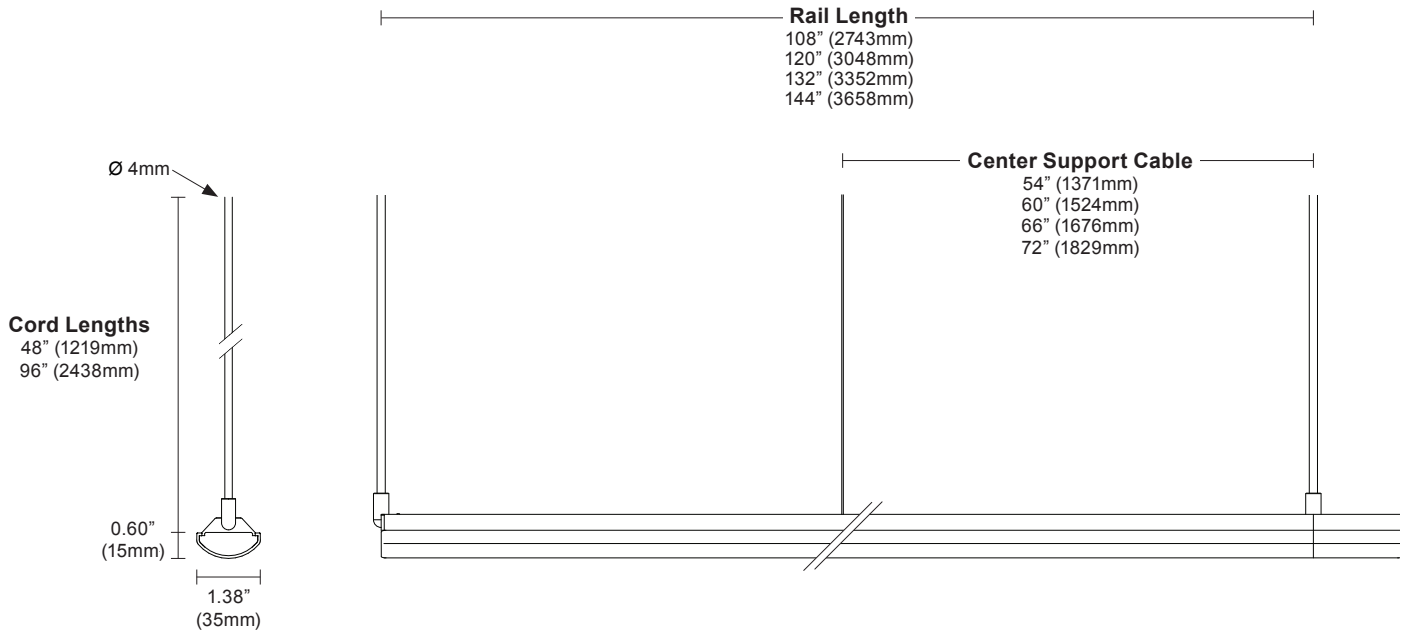*h 1.8" (46mm)
w 1.7" (43mm)*

Integral Power
(joint)

Dimensions

Ø 4mm

Cord Lengths
48" (1219mm)
96" (2438mm)

0.60"
(15mm)

1.38"
(35mm)

Rail Length
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

Layout

LED Driver

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

LED Driver

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

LED Driver

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

LED Driver

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

LED Driver

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

LED Driver

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) **See Guide** *for details.*

Dimensions

Rail Length
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

Ø 4mm

Center Support Cable
54" (1371mm)
60" (1524mm)
66" (1676mm)
72" (1829mm)

Cord Lengths
48" (1219mm)
96" (2438mm)

0.60"
(15mm)

1.38"
(35mm)

Layout

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

Support Cable Center (typical)
54" (1371mm)
60" (1524mm)
66" (1676mm)
72" (1829mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) **See Guide** *for details.*

vodeCONNECT Sensors

Canopy with integrated sensor

Sensor partners
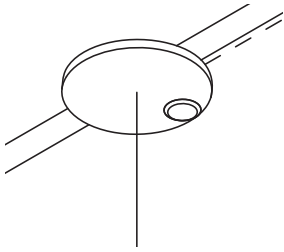
❖LUTRON   **legrand®**   **enlighted**

Integrated canopy sensor layout ¹

*1 sensor per fixture. See **vodeCONNECT brochure** for more details.*
NOTES: 1. Available with Large Round Canopy only.
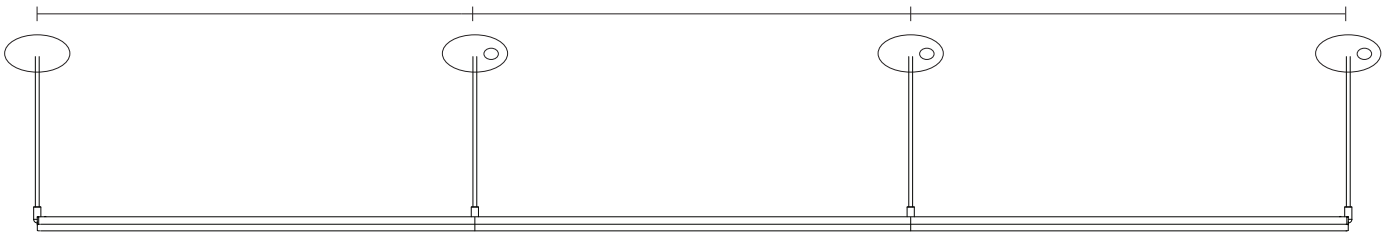
Compatible sensors

Lutron Athena

Legrand Wattstopper

Enlighted Micro Sensor

Power and Controls

Power Type	Class 2 (<60V output) constant current driver.
Dimming Controls	Dimming (0.1%, 1%), 0-10V, DALI, DMX, Hi-lume 1% are available. *See **Power Guide** for details.*
Input Voltage	120V - 277V, 50/60hz.
Power Location	Remote power. Maximum remote distance up to 100' (30.5m) *depending* on driver selection. *See **Power Guide** for details.*

Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult **Power Guide** to determine which type you will receive.

Remote Brick Power Housing
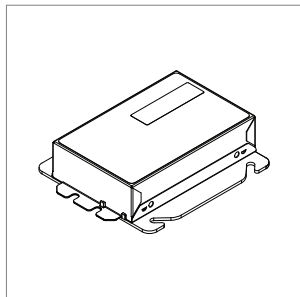
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided).
See **Tech Sheet** for details.

Remote Linear Power Housing
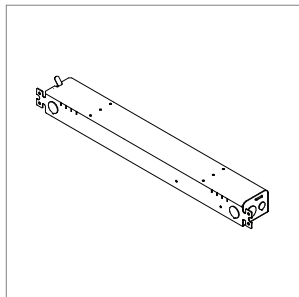
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies.
See **Tech Sheet** for details.

Integral Power
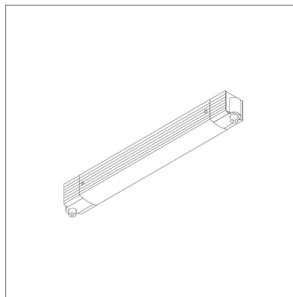
Houses integral power supply. Direct conduit feed is recommended, but integral power supply housing will mount to any standard North America 4" j-box. Mounts to most surfaces. Blocking is recommended at all arm junctions.
See **Tech Sheet** for details.

Wire Harness
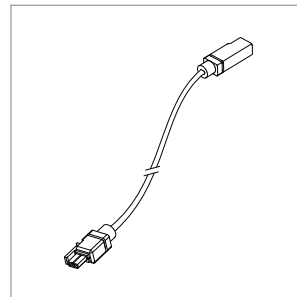
Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m).
See **Tech Sheet** for details.

Power and Controls

Flexible 1 to 1 power

For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult **Power Guide** to determine which type you will receive.
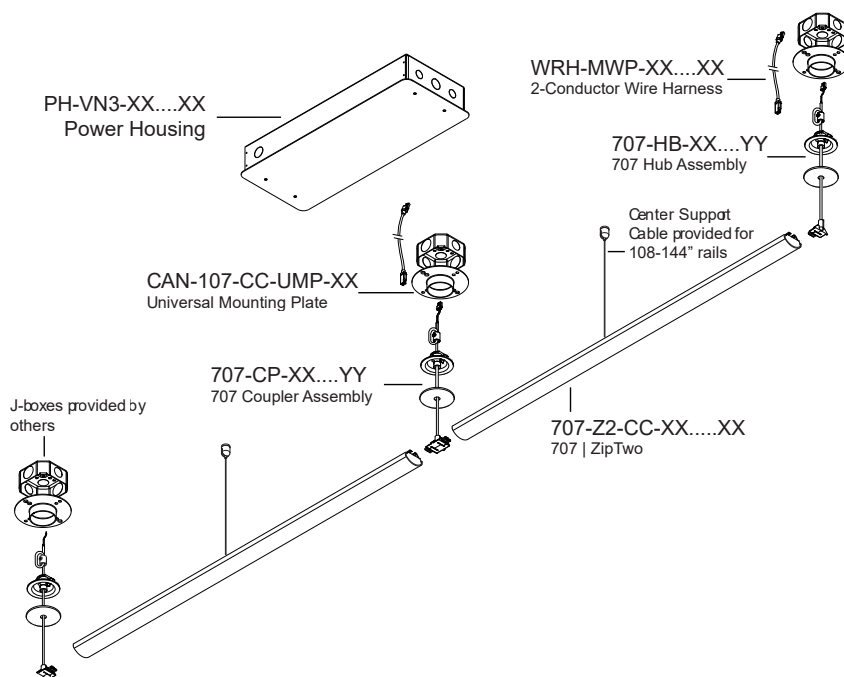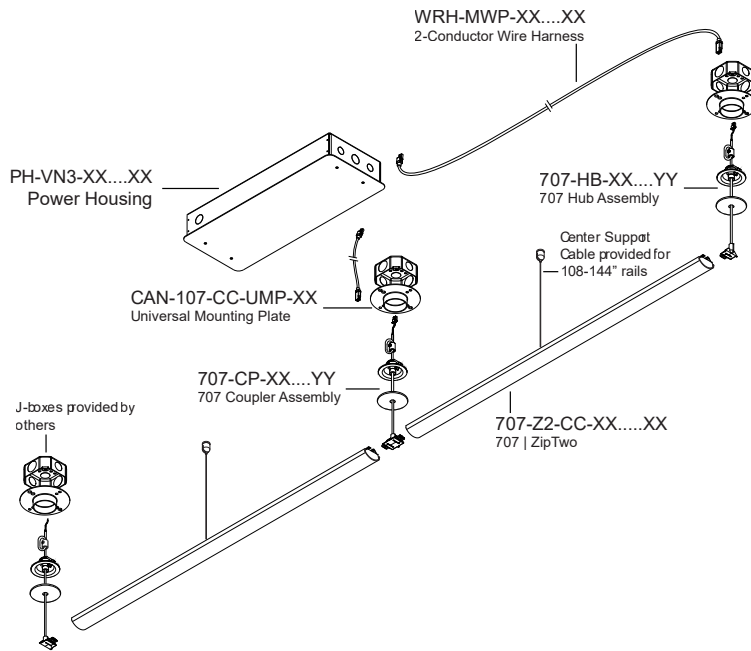

Note: Drawings not to scale, for reference only.

Optimized Power

To optimize power, Vode configures specifications with drivers that have 2 or 4 outputs. Depending on system configurations and power requirements, up to 4 fixtures can be powered from a 4-output driver. Consult **Power Guide** to determine which type you will receive.

IMPORTANT: Each fixture will still require individual wire harnesses, as shown below.

WRH-MWP-XX....XX
2-Conductor Wire Harness

PH-VN3-XX....XX
Power Housing

707-HB-XX....YY
707 Hub Assembly

Center Support Cable provided for 108-144" rails

CAN-107-CC-UMP-XX
Universal Mounting Plate

707-CP-XX....YY
707 Coupler Assembly

707-Z2-CC-XX.....XX
707 | ZipTwo

J-boxes provided by others

Finish

White Finish

White Rail, White Canopy/Integral Power, White Cable

Performance | Zipper Board Optics

Zipper Board Optics design has 72 diodes per foot (305mm).

Round 3515, Diffuse, white finish (S4-WH)
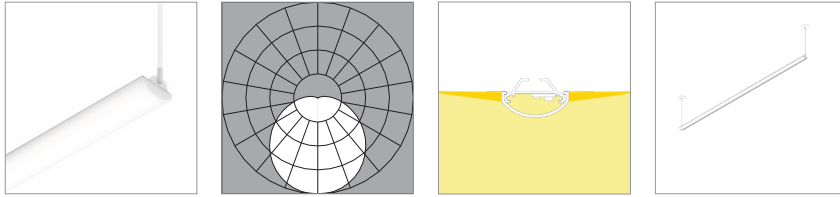
L90 >100,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	112	115	118	118	96	99	102	103
Lumens per foot (305mm)	414	427	436	436	357	368	376	380
Watts per foot (305mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Standard Output (SO)								
Efficacy - Lumens per Watt	127	131	134	134	110	114	116	117
Lumens per foot (305mm)	829	855	872	872	714	737	752	760
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
High Output (HO)								
Efficacy - Lumens per Watt	126	130	133	133	109	112	115	116
Lumens per foot (305mm)	1243	1282	1308	1308	1072	1105	1128	1139
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9