vode® Adaptive architectural lighting systems

Spec Guide

ZipTwo® | Round 3515 | 707

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
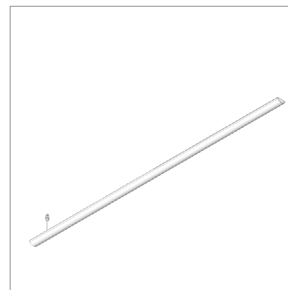Output up to 1071 lm/ft (3512 lm/m) (HO), 110 lm/W (SO). 80 or 90 CRI & tunable white (2200K-5000K) available.
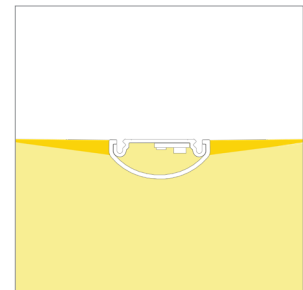
Versatile Mounting Options, Easy Installation
Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.

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

Single Rail

Light Distribution

Build Your Specification

707-Z2	SL				0 ▸▸
System & Rail Type	**System Type**	**System Length**	**Rail Length**	**Mounting**	**Arm/Cord Length**
707-Z2 ZipTwo	**SL** Standard Linear	Specify overall system length in ft/in or M/mm.	**24** 24" (610mm)	**C** Clip	**0** None
			36 36" (914mm)	**CM** Clip with Micro J-Box	
		Corner and Shapes Available	**48** 48" (1219mm)	**T** Magnet with Tape-On Metal Strip	
		***See Guide** for details*	**60** 60" (1524mm)	**T1** 9/16" T-Bar Clip, low profile	
			72 72" (1829mm)	**T2** 15/16" T-Bar Clip, low profile	
			96 96" (2438mm)	**T3** 15/16" T-Bar Clip, medium profile	
			108 108" (2743mm)	**T4** 15/16" T-Bar Clip, concealed	
			120 120" (3048mm)	**T5** 9/16" T-Bar Clip, medium profile	
			132 132" (3352mm)	**T6** Slotted T-Bar Clip	
			144 144" (3658mm)	**T7** Dimensional T-Bar Clip	
			ZZ Other rail length or layout (please specify)	**SC** Strut Channel Clip	
				DM Armstrong DynaMax	
			*See **Rail Length Chart** for more details*	**ZZ** Other (please specify)	

▸▸					Z ▸▸
Power Location	**Power Type**		**Voltage**	**Emergency Power**	**LED Type**
Remote Power	**Flexible 1 to 1 Power**		**1** 120v	**0** No Emergency Power	**Z** Zipper Board™
RP25 25' (7.62m) Wire Harness	**AE** eldoLED 0-10v, 1.0% Dimming		**2** 120v-277v	**ZZ** Emergency Power *(specify requirements)*	
RP50 50' (15.24m) Wire Harness	**AT** eldoLED 0-10v, 0.1% Dimming		**X** Not Yet Specified		
RP75 75' (22.86m) Wire Harness	**AD** eldoLED DALI, 0.1% Dimming				
RP100 100' (30.48m) Wire Harness	**AX** eldoLED DMX, 100-0% Dimming				
	AH Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE1				
	AH2 Hi-lume 1% 2-wire LTEA2W (120V forward phase only)				
	Optomized Power				
	AEO eldoLED 0-10v, 1.0% Dimming				
	ATO eldoLED 0-10v, 0.1% Dimming				
	ADO eldoLED DALI, 0.1% Dimming				
	AXO eldoLED DMX,100-0% dimming				
	ZZ Other (please specify)				
	See **Power Guide for driver features & limitations.*				

▸▸			S4		
Lumen Output	**Color Temperature**		**Optics**	**Sensors**	
LO Low Output	**80+ CRI**		**S4** Round 3515, Diffuse (WH)	**0** None	
SO Standard Output	**27** 2700K			**ZZ** Other (please specify)[1]	
HO High Output*	**30** 3000K				
ZZ Other (please specify)	**35** 3500K				
	40 4000K				
*See **IES Files** page for details.*					
See **Power Guide for driver features & limitations.*	**90+ CRI**				
	279 2700K				
	309 3000K				
	359 3500K				
	409 4000K				
	ZZ Tunable White Available ***See Guide** for details*				

▸▸ WH	
Finish	**Options**
WH White	**0** None
	9 9' 18/3 Cord and Plug
	CP Contact factory for Chicago Plenum

NOTES & LIMITATIONS

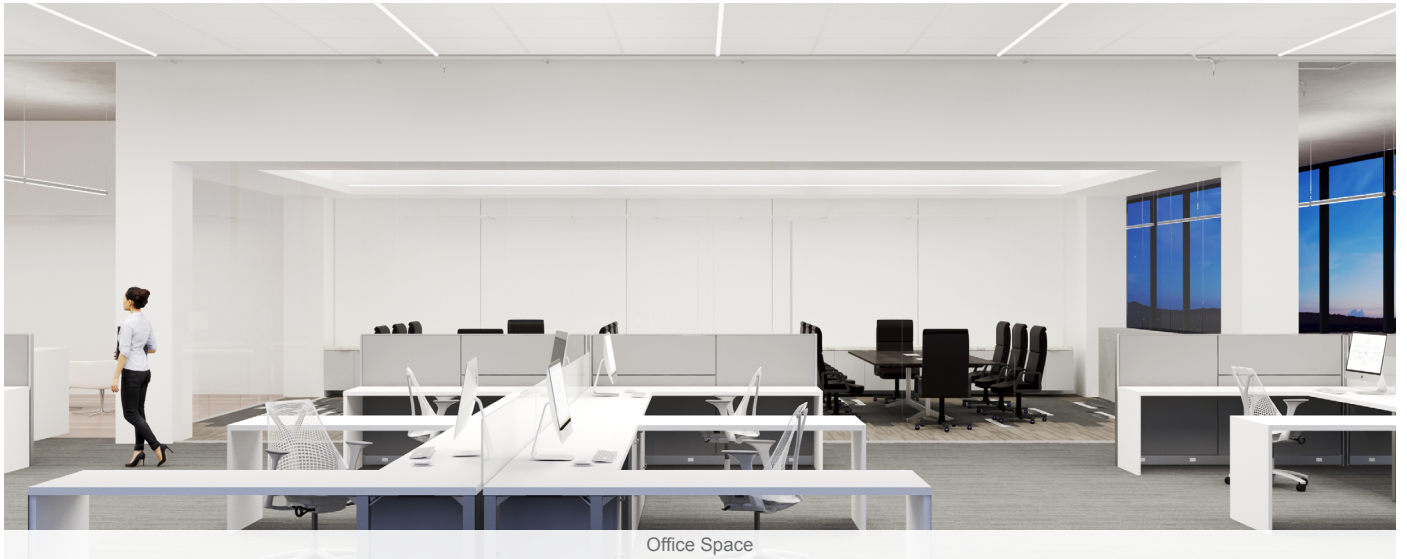[1] *Sensors are available please contact **Vode** for more information.*

*5 Year Limited Warranty. See full Vode warranty description **here** or at vode.com.*

Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA.

Applications

General Interior and Open Office

Office Space

St. Louis Enterprise Center, St. Louis, MO

Structure

Rail Lengths	*24" (610mm) - 144" (3658mm) See **Rail Length Chart** for more details.*
Rail Dimensions	1.38" (35mm) x 0.60" (15mm). See dimensions section for details.
Construction	Extruded and machined 6063 aluminum.
Mounting	Clip, Clip with Micro J-Box, Magnet with Tape-On Metal Strip, T-Bar Clips for most grid/panel construction, Strut Channel Clip.
Run Length	24" (610mm) minimum. Rail lengths may be installed end-to-end to any length.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-95%, non-condensing. Suitable for damp locations.
System Weight	0.25lbs per ft (0.11kg 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).
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910 *(PVC free in 2020)*
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant *(PVC free in 2020)*
Remote Linear Power Housing (RLP)	20.7" x 2.375" x 2.53", 0.054" formed Galvanized Steel
Remote Brick Power Housing (RBP)	4.32" x 3.37" x .078" Galvanized Steel mounting plate

Power and Controls

Power Type	Class 2 (<60v output) constant current driver
Dimming Controls	Dimming (0.1%, 1%), 0-10v, DALI, DMX, Lutron 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
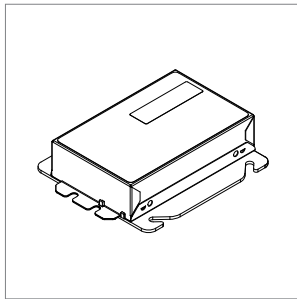
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided).
See **Tech Sheet** for details.

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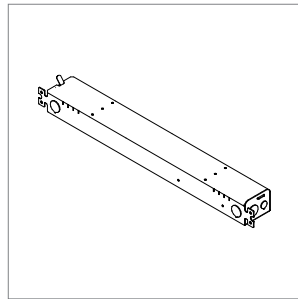
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies.
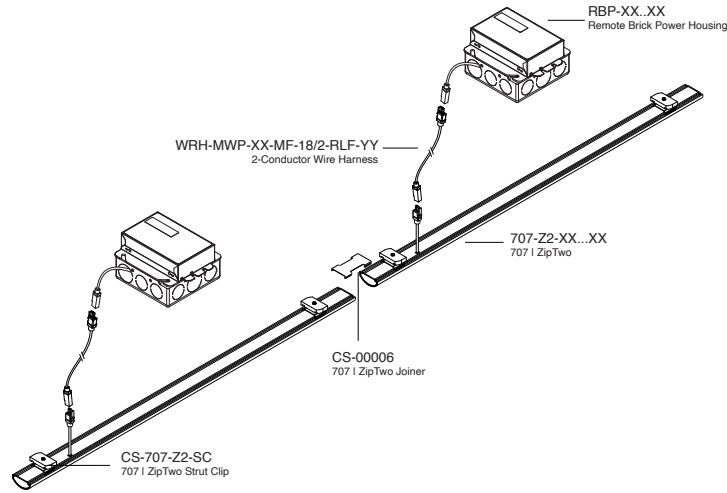See **Tech Sheet** for details.

Wire Harness
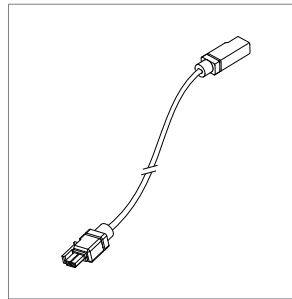
Wire harness connects driver to rail. Wire hareness is 25' (7.6m) with micro fit molex connectors for quick and easy installation. Multiple harnesses can be combined for a total length of up to 100' (30.5m).
See **Tech Sheet** for details.

Power and Controls
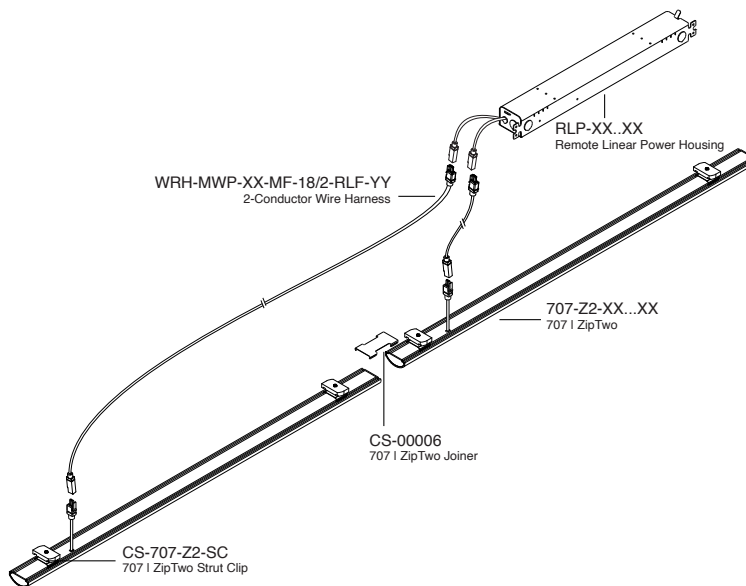
Flexible 1 to 1 power

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.

RBP-XX..XX
Remote Brick Power Housing

WRH-MWP-XX-MF-18/2-RLF-YY
2-Conductor Wire Harness

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

CS-00006
707 | ZipTwo Joiner

CS-707-Z2-SC
707 | ZipTwo Strut Clip

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.

RLP-XX..XX
Remote Linear Power Housing

WRH-MWP-XX-MF-18/2-RLF-YY
2-Conductor Wire Harness

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

CS-00006
707 | ZipTwo Joiner

CS-707-Z2-SC
707 | ZipTwo Strut Clip

Note: Drawings not to scale, for reference only.

Power and Controls

Wire Harness

Low voltage wire harness connects driver to rail. Wire hareness is 25' (7.6m) 18/2 AWG stranded wire with provided micro fit molex connectors on either end for quick and easy installation. Multiple haresses can be combined for a total length of up to 100' (30.5m). Refer to Vode Power Guide for max remote distance based on power selection. Consult **Power Guide** to determine which type you will receive.

1.06"
(27 mm)

1.26"
(32 mm)

0.40"
(10 mm)

0.29"
(7 mm)

25' (7620 mm)
Vode Standard Length
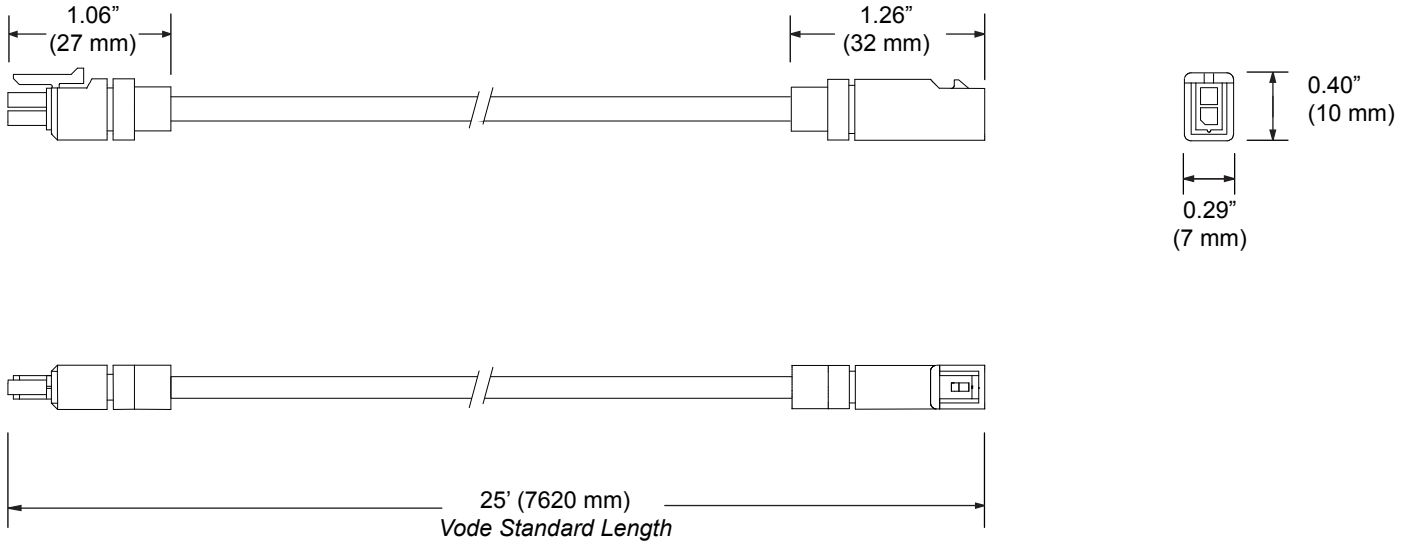
Note: Drawings not to scale, for reference only.

Dimensions

Power Location
3" (76mm)

3"
(76mm)

0.60"
(15mm)

1.38"
(35mm)

Rail Length
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

Layout

LED Driver

LED Driver

LED Driver

End to End
24"(610mm) - 144" (3658mm)

End to End
24"(610mm) - 144" (3658mm)

End to End
24"(610mm) - 144" (3658mm)

LED Driver

LED Driver

LED Driver

End to End
24"(610mm) - 144" (3658mm)

End to End
24"(610mm) - 144" (3658mm)

End to End
24"(610mm) - 144" (3658mm)

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

Mounting Options
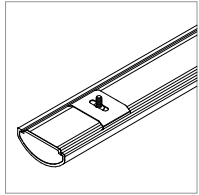
Clip (C)
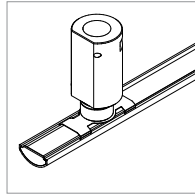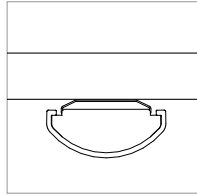
Clip with Micro J-Box (CM)
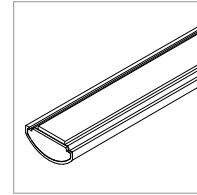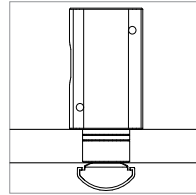
Magnet with Tape-On Ferrous Strip (T)
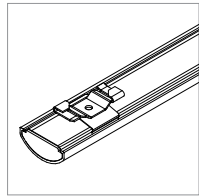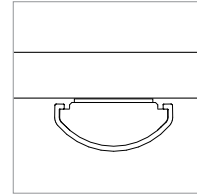
9/16" T-Bar Clip, low profile (T1)
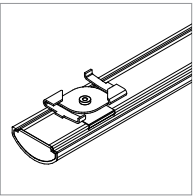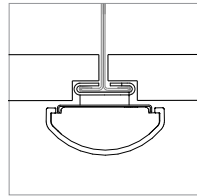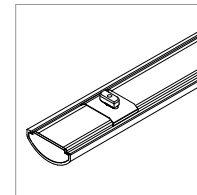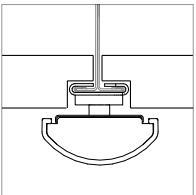

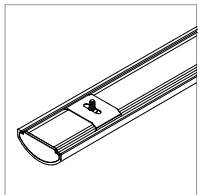15/16" T-Bar Clip, low profile (T2)
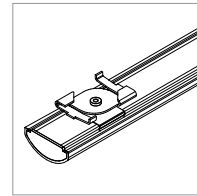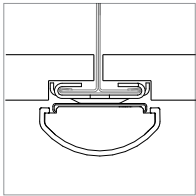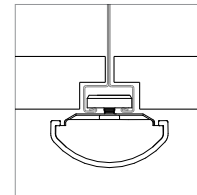

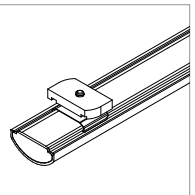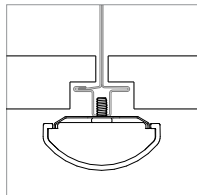15/16" T-Bar Clip, medium profile (T3)
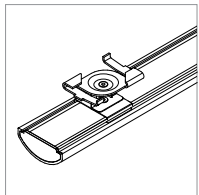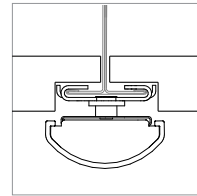
15/16" T-Bar Clip, concealed (T4)
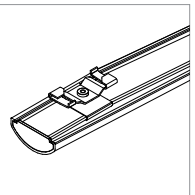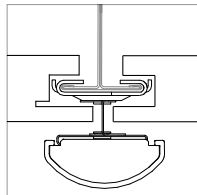
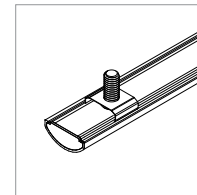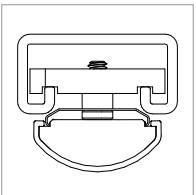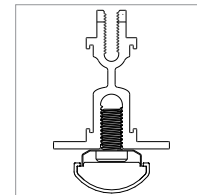9/16" T-Bar Clip, medium profile (T5)

Slotted T-Bar Clip (T6)

Dimensional T-Bar Clip (T7)
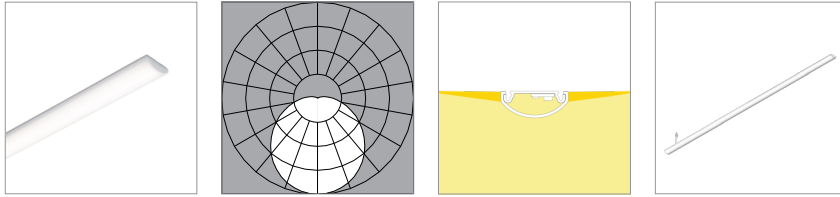

Strut Channel Clip (SC)

Armstrong DynaMax (DM)

See *ZipTwo Clip Guide* to check compatibility.

Performance | Zipper LED

Zipper Board has 72 diodes per foot (305mm). Testing based on a 4' rail section. Lumen measurement complies with IES-LM-79-08 testing procedures.

Round 3515, Diffuse (S4)

L80 is >60,000 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	109	112	114	114	94	97	99	100
Lumens per foot (305mm)	403	416	424	424	347	358	366	369
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	124	128	130	130	106	110	113	113
Lumens per foot (305mm)	806	831	848	848	695	717	731	739
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	123	127	129	129	106	109	111	113
Lumens per foot (305mm)	1209	1247	1273	1273	1042	1075	1097	1108
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9