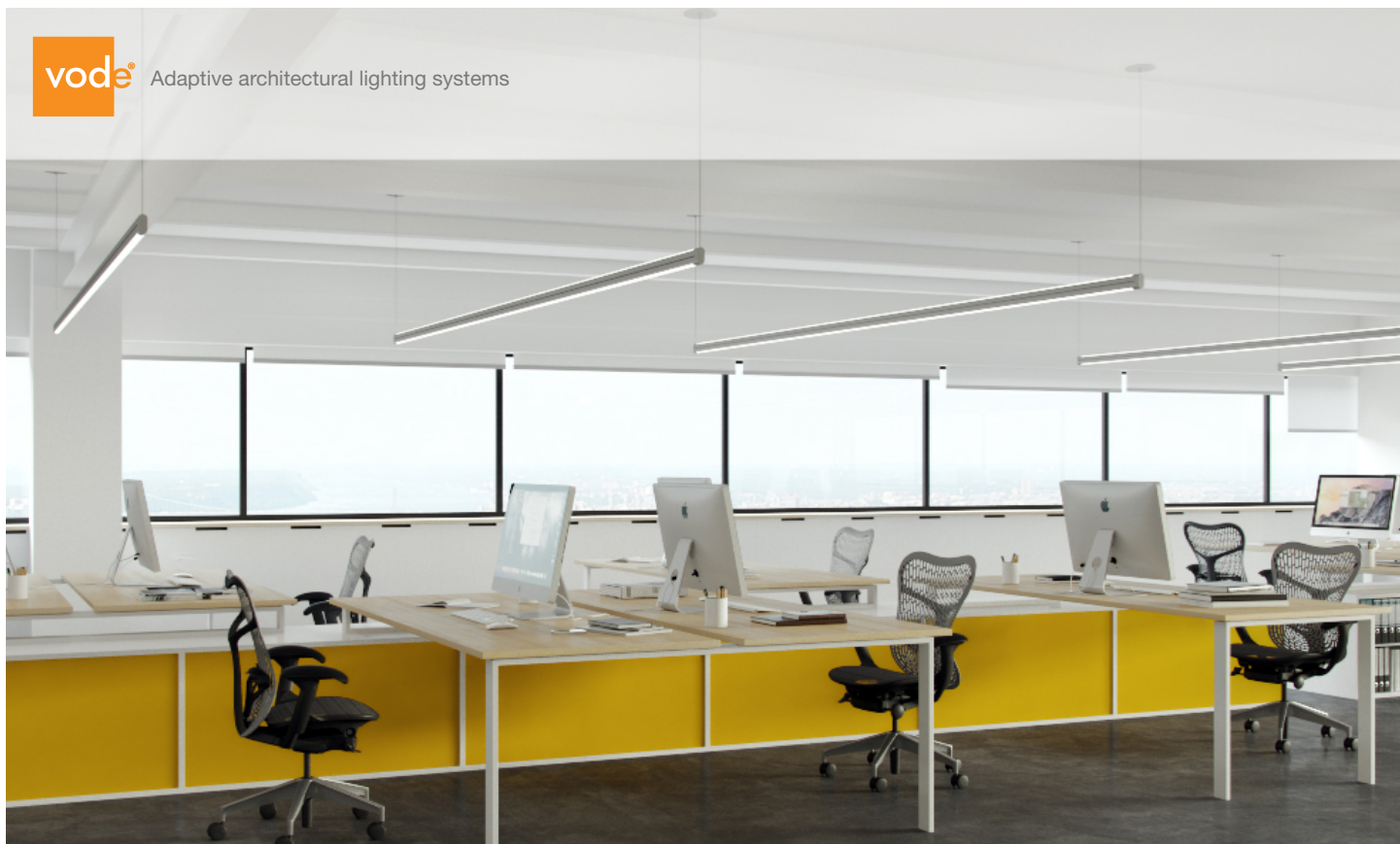




Adaptive architectural lighting systems



Spec Guide

DoubleRace™ | Ceiling Cable | 107

Direct/indirect lighting for open office and ambient applications.



DoubleRace, direct/indirect

Benefits & Features

Minimalistic, Robust Design

Oval profile, 2.41" (61mm) x 1.14" (29mm).

Superior Light Quality & Performance

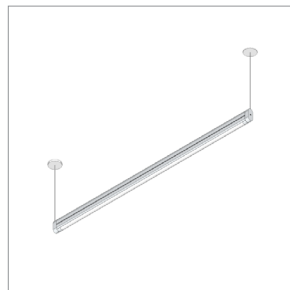
Output up to 2888 lm/ft (9474 lm/m) (HO), 126 lm/W (SO). 80 or 90 CRI & tunable white (2200K-6500K) available.

Adaptive Power

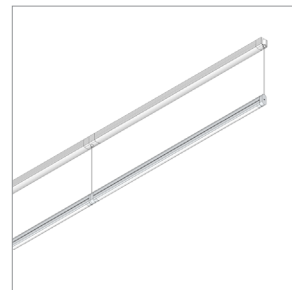
Full range dimming power for all protocols. Integral or remote power available.

Simple Installation

Modular snap-fit assembly for quick installation and maintenance.



Small Round Canopy



Integral Power

Build Your Specification

107-DR	01				CC
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System & Rail Type	Single/Double Rail	System Length	Rail Length	Mounting	Cable Length
107-DR DoubleRace	01 Single Rail	Specify overall system length in ft/in or M/mm. <i>Corner and Shapes Available</i> <i>See Guide for details</i>	24 24" (610mm) 36 36" (914mm) 48 48" (1219mm) 60 60" (1524mm) 72 72" (1829mm) 96 96" (2438mm) ZZ Other rail length or layout (please specify) <i>See Rail Length Chart for more details</i>	CC Ceiling Cable	<i>Field adjustable.</i> 48 48" cable (1210mm) 96 96" cable (2438mm) ZZ Other (please specify)

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Power Location	Power Type*	Voltage	Emergency Power
Integral Power	Flexible 1 to 1 Power	1 120v 2 120v-277v X Not Yet Specified	0 No Emergency Power ZZ Emergency Power (specify requirements)
IP Integral Power	AE eldoLED 0-10v, 1.0% Dimming		
Remote Power	AT eldoLED 0-10v, 0.1% Dimming		
Small Round Canopy	AD eldoLED DALI, 0.1% Dimming		
2R25 25' (7.62m)	AX eldoLED DMX, 100-0% Dimming		
Wire Harness	AH Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE1		
2R50 50' (15.24m)	AH2 Hi-lume 1% 2-wire LTEA2W (120V forward phase only)		
Wire Harness	Optimized Power		
2R75 75' (22.86m)	AEO eldoLED 0-10v, 1.0% Dimming		
Wire Harness	ATO eldoLED 0-10v, 0.1% Dimming		
2R100 100' (30.48m)	ADO eldoLED DALI, 0.1% Dimming		
Wire Harness	AXO eldoLED DMX, 100-0% dimming		
Large Round Canopy	ZZ Other (please specify)		
4R25 25' (7.62m)			
Wire Harness			
4R50 50' (15.24m)			
Wire Harness			
4R75 75' (22.86m)			
Wire Harness			
4R100 100' (30.48m)			
Wire Harness			

*See [Power Guide](#) for driver features & limitations.

Z				0
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LED Type	Lumen Output	Color Temperature	Optics	Sensors
Z Zipper Board™	LO Low Output SO Standard Output HO High Output ZZ Other (please specify) <i>See IES Files page for details.</i> <i>*See Power Guide for driver features & limitations.</i>	80+ CRI 27 2700K 30 3000K 35 3500K 40 4000K 90+ CRI 279 2700K 309 3000K 359 3500K 409 4000K ZZ Tunable White Available <i>See Guide for details</i>	Zipper Board™ (Z) 22 Diffuse, Round, up Diffuse, Round, down G12 120° Batwing, Flat, up Diffuse, Round, down G1G2 120° Batwing, Flat, up 120° FlyWing, Flat, down	0 None ZZ Sensor (specify requirements)

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Finish	Options
AL Clear Anodized	0 None
WH White Painted	9 9' 18/3 Cord and Plug ²
BL Black Anodized	
ZZ Other (please specify)	

NOTES & LIMITATIONS

¹Integral Power (IP) is not available with 24" rail lengths in AE, AH, AH2

²9' 18/3 Cord and Plug only available with Remote Power (RP)

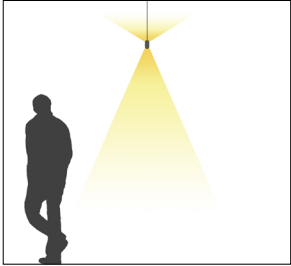
5 Year Limited Warranty. See full Vode warranty description [here](#) or at [vode.com](#).

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

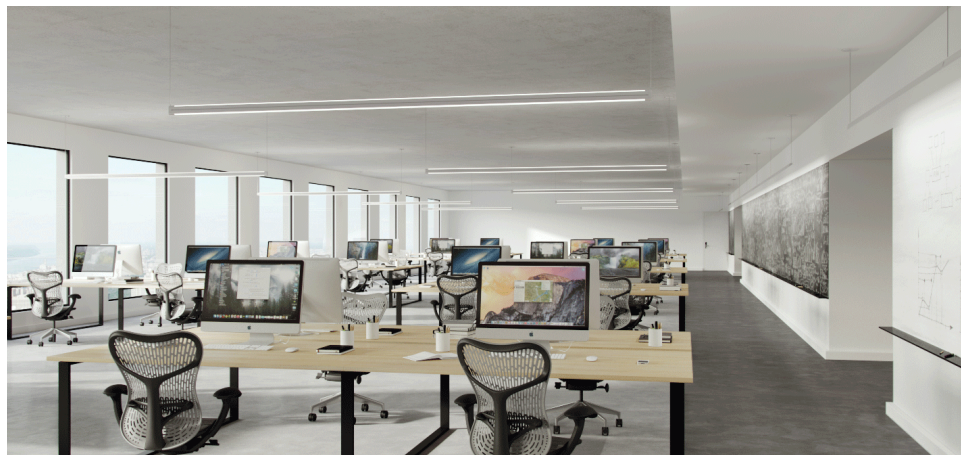


Applications

General Interior, Open Office, and Conference Room



SRG Office, Portland, OR



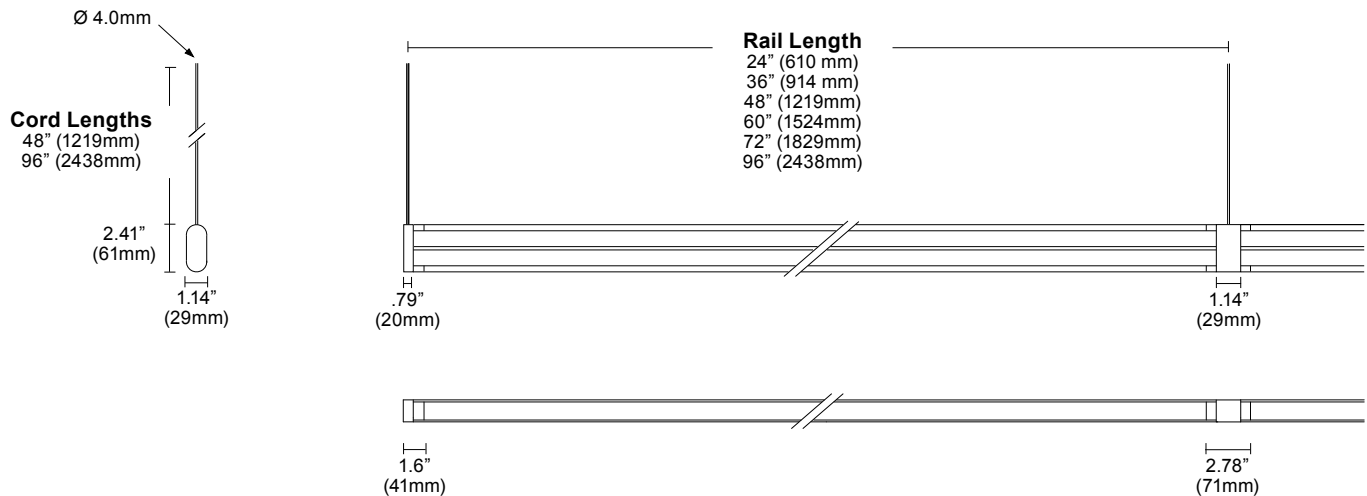
Structure

Rail Length	24" (610mm), 36" (914mm), 48" (1219mm), 60" (1524mm), 72" (1829mm), 96" (2438mm)
Rail Dimension	2.41 (61mm) x 1.14 (29mm)
Construction	Extruded and machined 6063 aluminum.
Mounting	Ceiling mount to jbox or integral driver housing.
Cable Length	48" (1219mm) and 96" (2438mm) available. Field adjustable. Non-standard cable lengths available.
System Run Length	24" (610mm) minimum. Unlimited maximum length
Operating Temperature	32°F to 104°F (0°C to 40°C)
Humidity	0-85%, non-condensing
System Weight	1.05lbs (0.48kg) per foot (305mm) <i>Power supply and housing not included.</i>

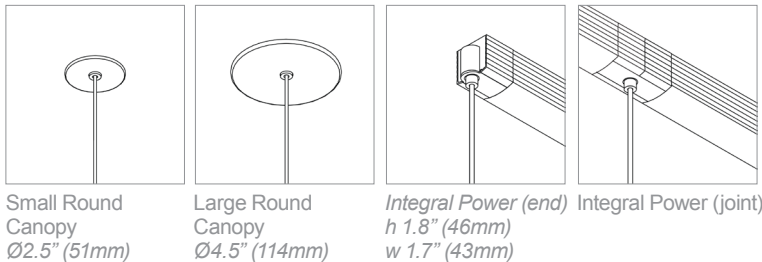
Materials

LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant
Lens	High-impact extruded acrylic glass (PMMA)
Baffle	6063 aluminum, RoHS compliant painted finish
Suspension Cable	Ø4mm, 22/2 AWG, PVC jacket, FEP-insulated, RoHS compliant
Power Cable	Ø4mm, 18/2 AWG, Plenum (CMP) rated semi-rigid PVC, flame tested UL-910
Cable Connectors	Unfilled white nylon, rate UL 94 V-0, halogen free, PVC overmold, RoHS compliant
Remote Power Housing	24.5" x 1.9" x 1.9", 1/16" (0.8mm) formed steel, zinc chromate plating

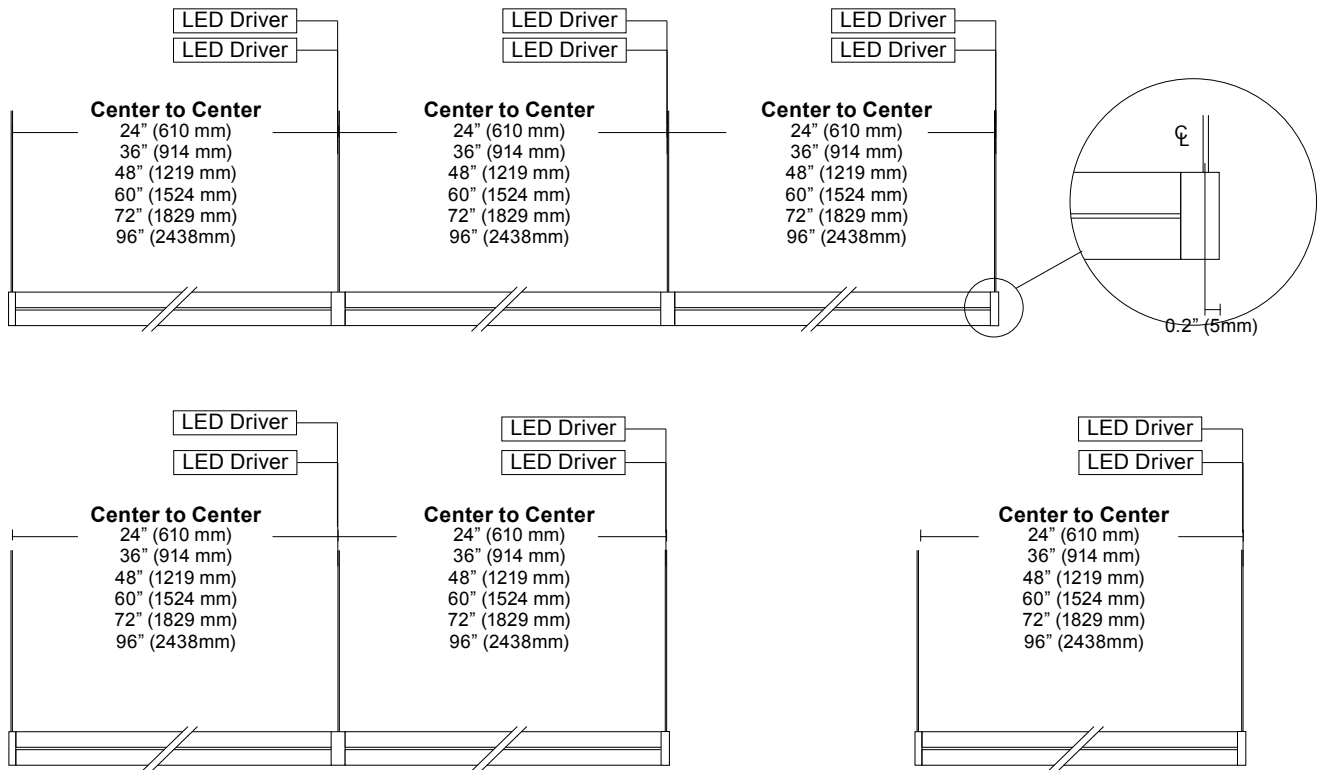
Dimensions



Mounting Options



Layout



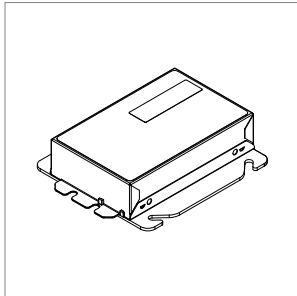
Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag)

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	Integral or remote power. Maximum remote distance up to 100' (30.5m) depending on driver selection. See Power Guide for details.

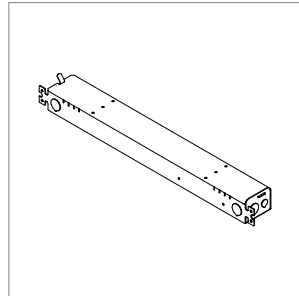
Vode power locations fall into two categories: integral and remote. Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive. Integral power is locating the power supply into the lighting fixture or mounting.

Remote Brick Power Housing



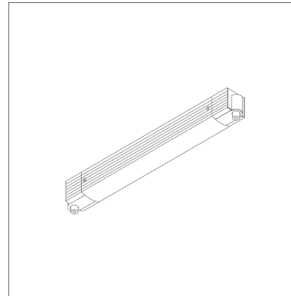
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

Remote Linear Power Housing



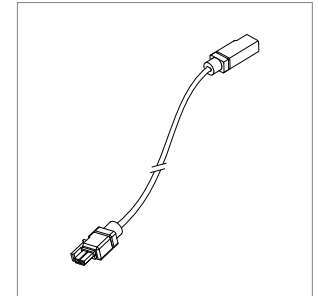
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

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

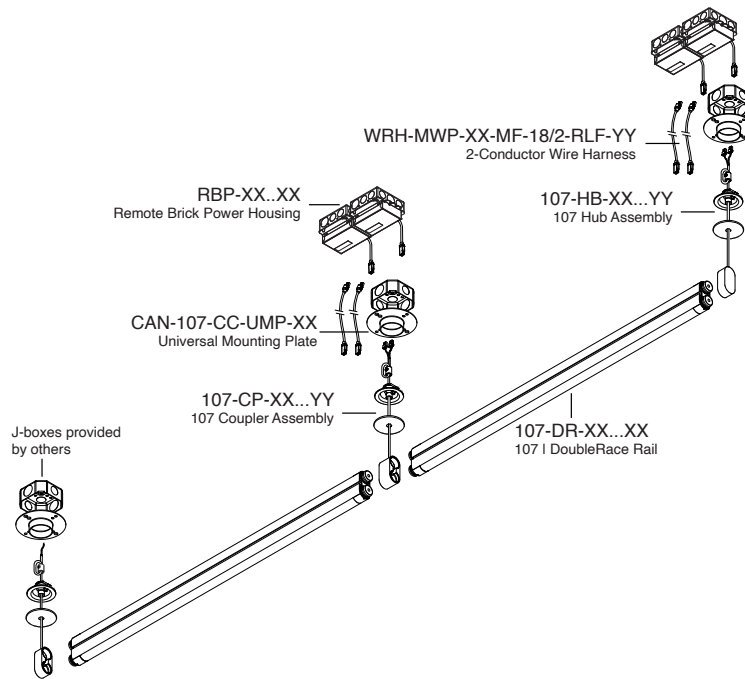


Wire harness connects driver to rail. Wire harness is 25' (7.6m) with micro fit molex connectors for quick and easy installation. Multiple harnesses can be combined for a total length of up to 100' (30.5m). See [Tech Sheet](#) for details.

Power and Controls

Flexible 1 to 1 power

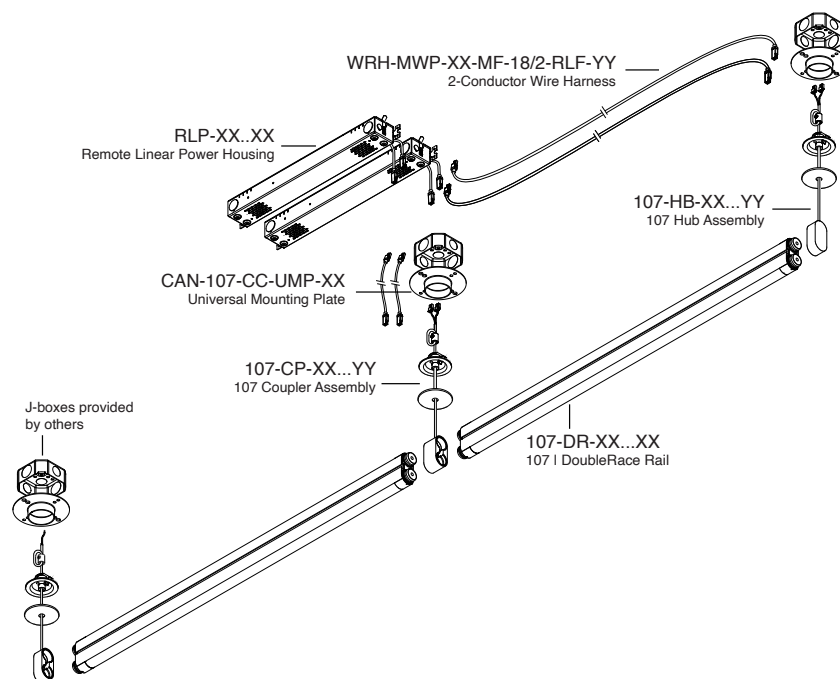
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#)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



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.

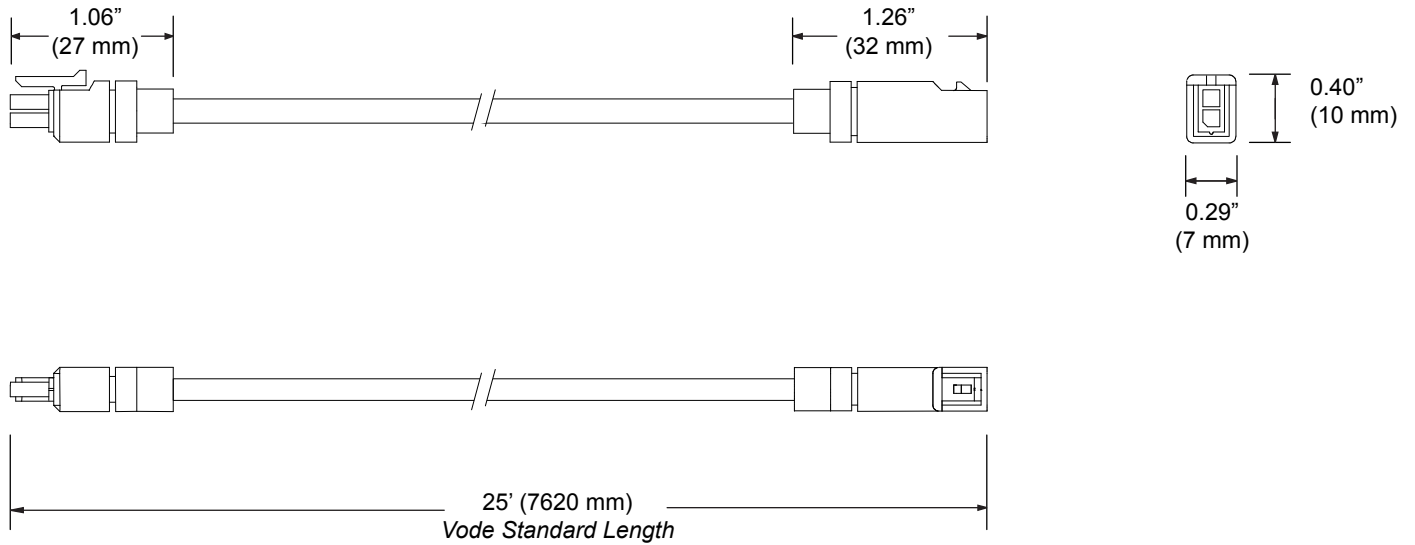


Note: Drawings not to scale, for reference only.

Power and Controls

Wire Harness

Low voltage wire harness connects driver to rail. Wire harness is 25' (7.6m) 18/2 AWG stranded wire with provided micro fit molex connectors on either end for quick and easy installation. Multiple harnesses 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.



Note: Drawings not to scale, for reference only.

Finish

Clear Anodized Finish



Clear Anodized Rail, White Canopy/Integral Power, Clear Anodized Integral Power, Clear Cable

White Painted Finish



White Rail, White Canopy/Integral Power, White Cable

Black Anodized Finish

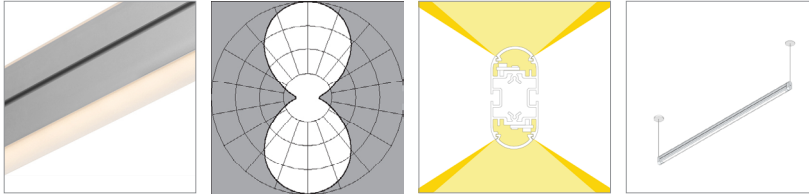


Black Rail, Black Canopy/Integral Power, Black Cable

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.

Diffuse, Round, up | Diffuse, Round, down (22)



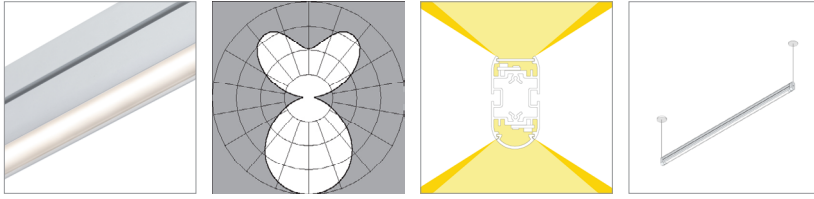
L80 >60,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	126	130	132	132	108	112	114	115
Lumens per foot (305mm)	865	892	910	910	746	769	785	793
Watts per foot (305mm)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Standard Output (SO)								
Efficacy - Lumens per Watt	145	150	153	153	125	129	132	133
Lumens per foot (305mm)	1730	1784	1821	1821	1491	1538	1570	1585
Watts per foot (305mm)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
High Output (HO)								
Efficacy - Lumens per Watt	134	139	142	142	116	120	122	123
Lumens per foot (305mm)	3287	3391	3460	3460	2833	2923	2983	3012
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

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.

120° Batwing, Flat, up | Diffuse, Round, down (G12)



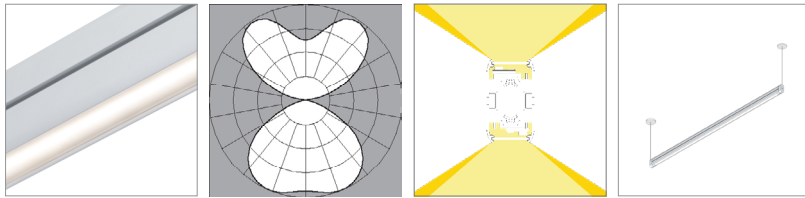
L80 >60,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	116	120	122	122	100	103	105	106
Lumens per foot (305mm)	798	823	840	840	688	710	724	731
Watts per foot (305mm)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

Standard Output (SO)								
Efficacy - Lumens per Watt	134	138	141	141	116	119	122	123
Lumens per foot (305mm)	1596	1646	1680	1680	1376	1419	1448	1462
Watts per foot (305mm)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

High Output (HO)								
Efficacy - Lumens per Watt	124	128	131	131	107	110	113	114
Lumens per foot (305mm)	3032	3128	3191	3191	2614	2696	2751	2779
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

120° Batwing, Flat, up | 120° FlyWing, Flat, down (G1G2)



L80 is >60,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	108	110	113	113	92	95	97	98
Lumens per foot (305mm)	741	759	775	775	634	654	668	674
Watts per foot (305mm)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

Standard Output (SO)								
Efficacy - Lumens per Watt	124	127	130	130	107	110	112	113
Lumens per foot (305mm)	1472	1518	1549	1549	1269	1309	1336	1349
Watts per foot (305mm)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

High Output (HO)								
Efficacy - Lumens per Watt	114	118	120	120	99	102	104	105
Lumens per foot (305mm)	2796	2885	2943	2943	2411	2487	2537	2563
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

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