



Spec Guide

DoubleBox | Ceiling Cable | 107

Red List
Approved

Declare.

Direct/indirect lighting for ambient, open office, conference room and wall wash applications.



DoubleBox, direct/indirect

Benefits & Features

Minimal Profile, Robust Design

Rectangular profile, 2.48" (63mm) x 1.14" (29mm).

Superior Light Quality & Performance

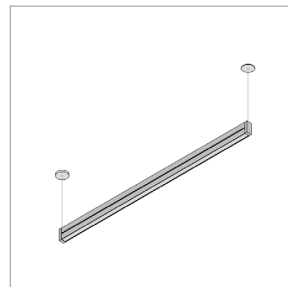
Output up to 2972 lm/ft (9752 lm/m) (HO), 131 Lm/W (SO), 80/90 CRI & 2200K-5000K Tunable White available.

Adaptive Power

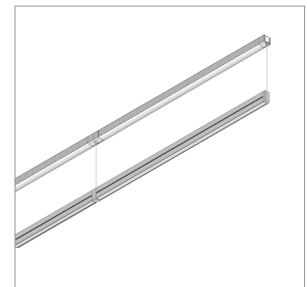
Full range dimming power for all protocols. Integral or remote power available.

Better Optics & Beam Control

Options of Batwing, FlyWing, black or white baffle, diffuse lens and narrow optics for ambient, grazing or wall wash. Excellent glare control using optical film and patented MicroBaffle.



Small Round Canopy



Integral Power, Continuous System

Build Your Specification

107-DB	01			CC	»
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System & Rail Type	Single/Double Rail	System Length	Rail Length	Mounting	Cable Length <i>Field adjustable.</i>
107-DB DoubleBox	01 Single Rail	Specify overall system length in ft/in or M/mm. <i>Corner and Shapes Available</i> See Guide for details.	24 24" (610mm) 36 36" (914mm) 48 48" (1219mm) 60 60" (1524mm) 72 72" (1820mm) 96 96" (2438mm) ZZ Other rail length or layout (please specify) <i>See Rail Length Chart for more details.</i> ▲ Custom lengths may result in light gaps on the fixture. See Rail Length Chart for more details.	CC Ceiling Cable	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 ¹	Flexible 1 to 1 Power	1 120V 2 120V - 277V X Not Yet Specified	0 No Emergency Power ZZ Emergency Power <i>(specify requirements)</i>
IP Integral 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)		
Remote Power	Optimized Power		
Specify mounting and harness length code example: 2R25, 4R25...etc.	Add 'O' to power type example: AEO, ATO...etc. ²		
Mounting Option	VodeNODE		
	Add 'N' to power type for Flexible 1 to 1 Power Add 'ON' to power type for Optimized Power example: AEN, ATN, AEON, ADON...etc. ³		
2R Small Round Canopy 4R Large Round Canopy	ZZ Other (please specify) <i>See Power Guide for driver features & limitations.</i>		
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			

Z				
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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 See Guide for details.	Zipper Board™ (Z) G12 120° Batwing, up Diffuse, down G1WB 120° Batwing, up White Baffle, down G1BB 120° Batwing, up Black Baffle, down G1S1 120° Batwing, up 40° Symmetric, down G1S2 120° Batwing, up 60° Symmetric, down G1A1 120° Batwing, up 85° Asymmetric, down G1G2 120° Batwing, up 120° FlyWing, down	0 None ZZ Sensor <i>(specify requirements)</i>

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Finish	Options
AL Clear Anodized WH White Powder Coat BL Black Anodized ZZ Other (please specify)	0 None 9 9' 18/3 Cord and Plug ⁴ CP Chicago Plenum

NOTES & LIMITATIONS

- ¹ Integral Power (IP) is not available with 24" rail lengths in AE, AH, AH2.
- ² Optimized Power is not available with Hi-lume 1% EcoSystem (AHO) Power Type.
- ³ VodeNODE enclosure is not available with ELV 1% 2-wire (AH2) Power Type.
- ⁴ 9' 18/3 Cord and Plug only available with Remote Power (RP).
- ⁵ Chicago Plenum not applicable for wall arm mounting.

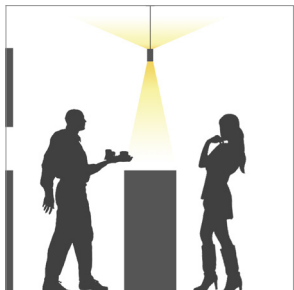
Standard 5 Year Limited Warranty. See details [here](#). Contact factory for options on Limited Warranties up to 20 years.

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

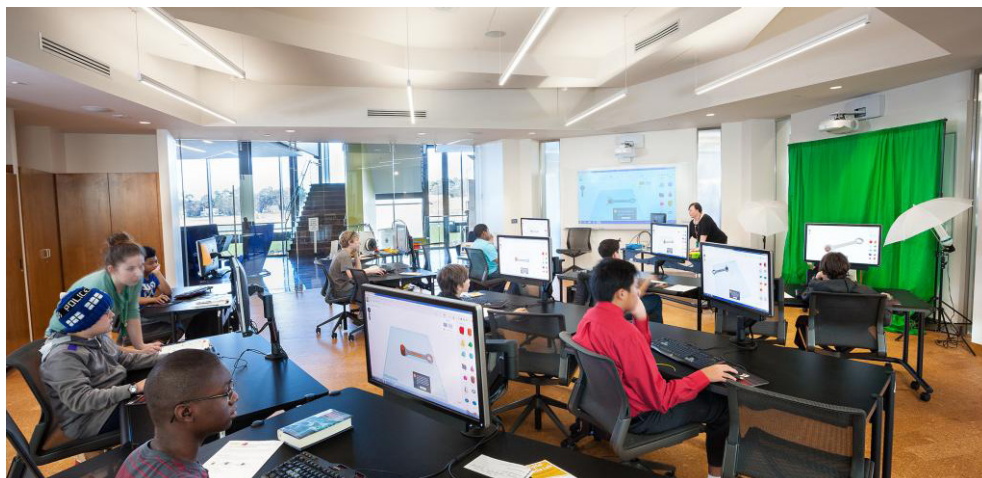
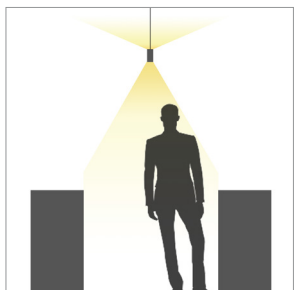
General Interior, Open Office, and Conference Room



Square Inc, San Francisco, CA



PCH Innovation, San Francisco, CA



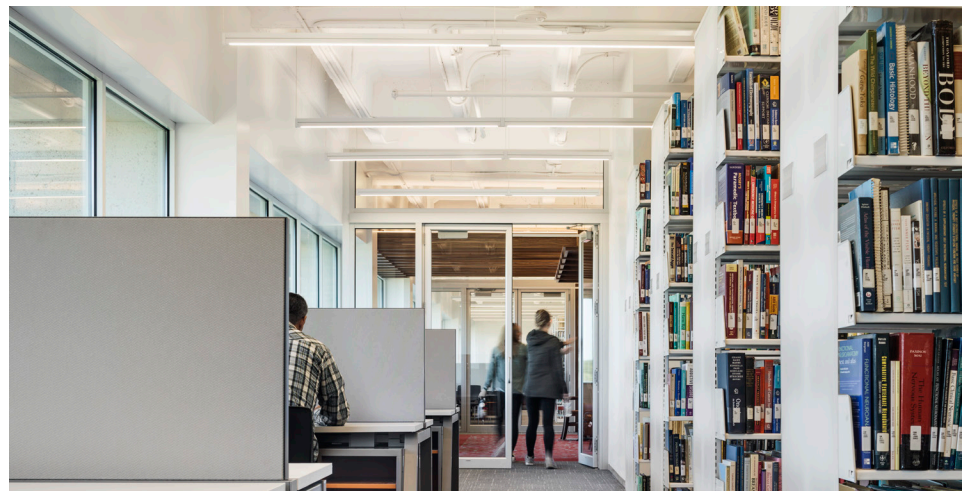
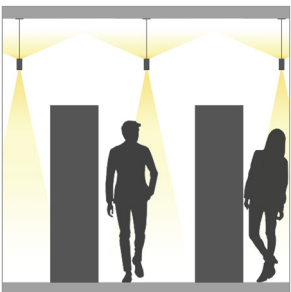
Libbie Mill Library, Richmond, VA

Applications

General Interior, Open Office, and Conference Room



Open Office: rendering.



Harold C. Smith Learning Commons, Springfield, MA

Declare Label

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

See [International Living Future Institute](https://www.livingfuture.org/declare) 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

¹LBC Temp Exception RL-002 - Small Electrical Components

²LBC 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
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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](https://www.living-future.org/declare)

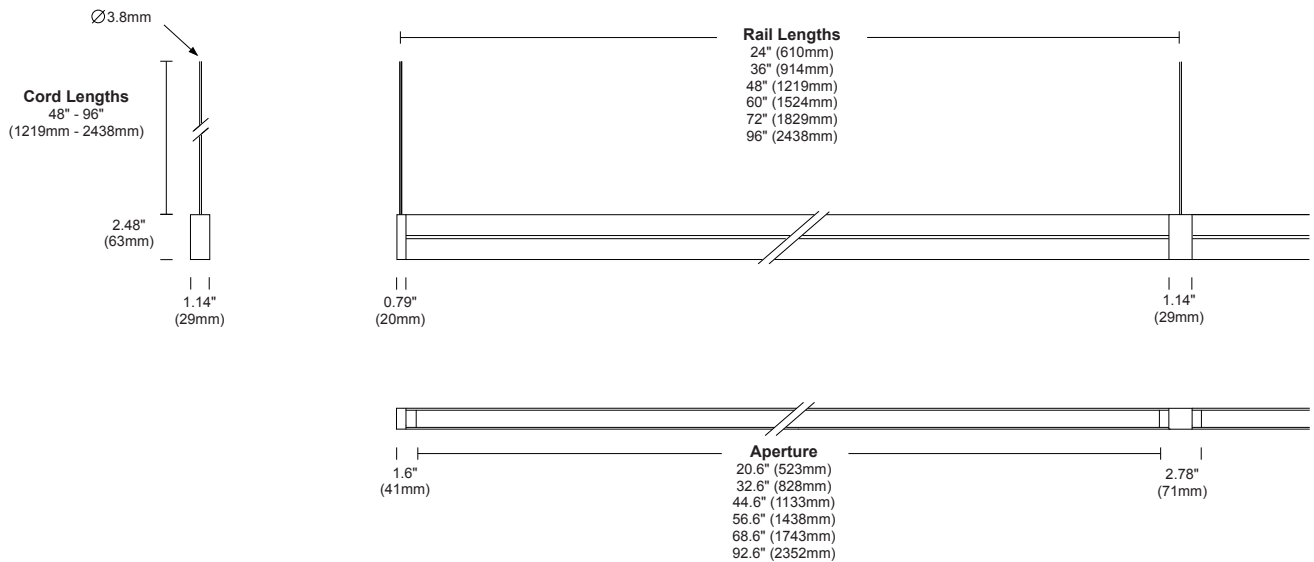
Structure

Rail Length	24" (610mm) - 96" (2438mm). Modified lengths available. See Rail Length Chart for more details.
Rail Dimension	2.48" x 1.14" (63mm x 29mm) x length.
Construction / Finish	Extruded and machined 6063 aluminum. Clear anodized, black anodized, white painted and non-standard finishes available.
Mounting	Ceiling mount to jbox or integral power 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.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-85%, non-condensing.
System Weight	1.22lbs per ft (0.56kg per 305mm) Remote Power supply and mounting hardware not included.

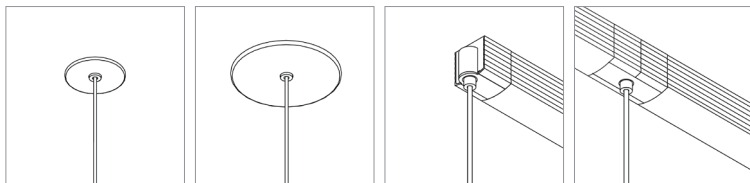
Materials

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	Ø3.8mm, 22/2 AWG, PVC or TPE and RoHS compliant (<i>PVC free in 2020</i>).
Power Cable	Ø4mm, 18/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910 (<i>PVC free in 2020</i>).
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant (<i>PVC free in 2020</i>).
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.

Dimensions



Mounting Options



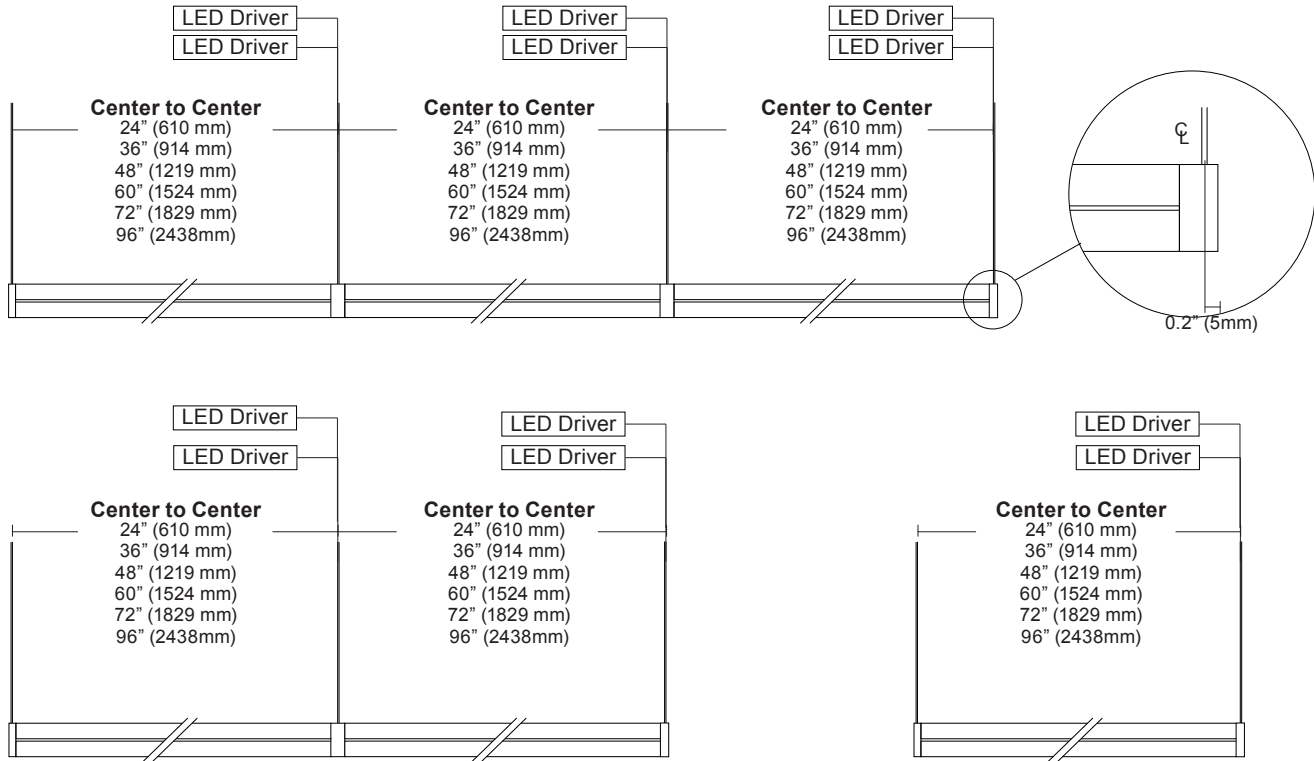
Small Round Canopy
Ø2.5" (51mm)

Large Round Canopy
Ø4.5" (114mm)

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

Integral Power (joint)

Layout



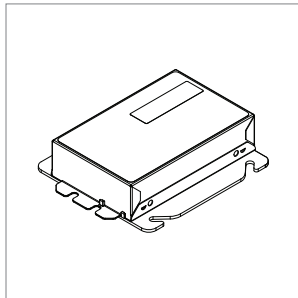
Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) [See Guide](#) for details.

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

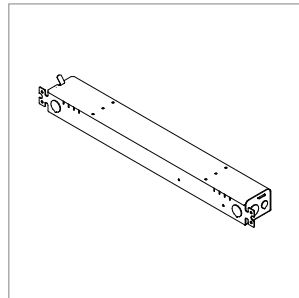
Vode power locations fall into two categories: integral and remote. Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive. Integral power is locating the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

Remote Brick Power Housing



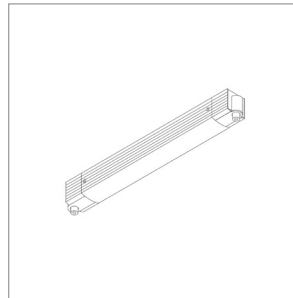
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

Remote Linear Power Housing



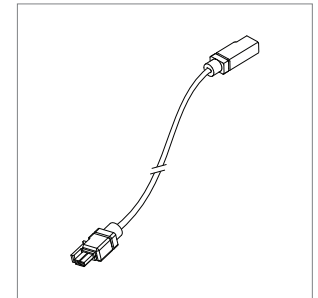
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

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

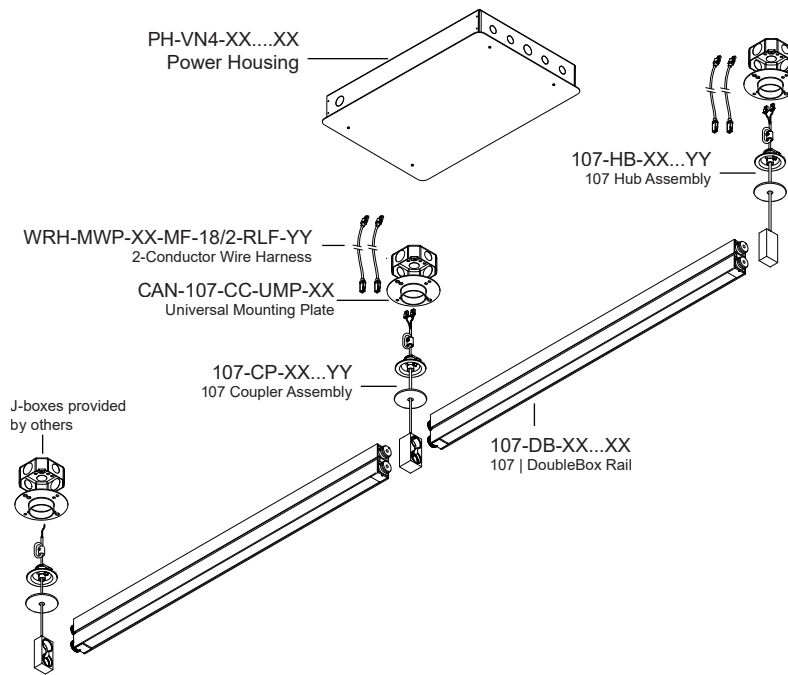


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m). See [Tech Sheet](#) for details.

Power and Controls

Flexible 1 to 1 power

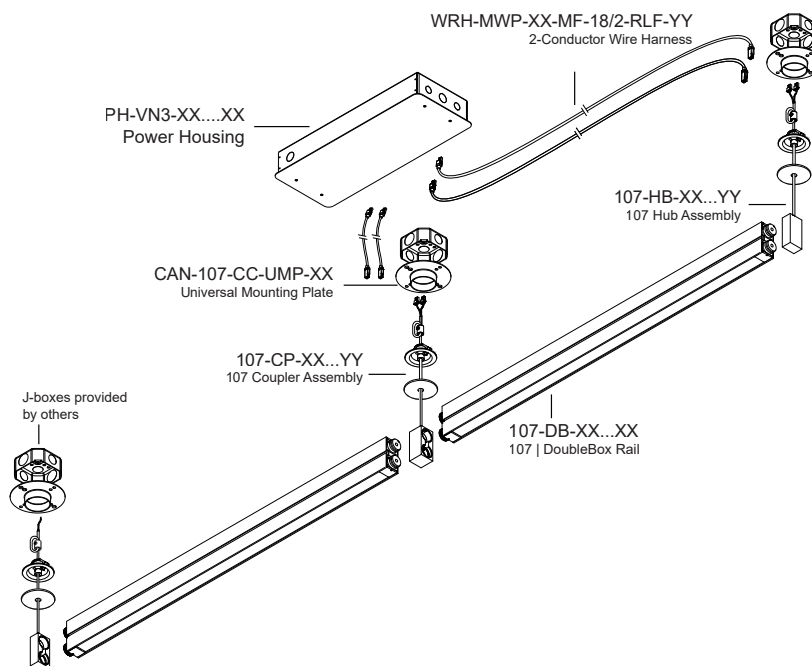
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#)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



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.

Finish

Clear Anodized Finish



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

Black Anodized Finish



Black Rail, Black Canopy/Integral Power, Black Cable

White Powder Coat Finish

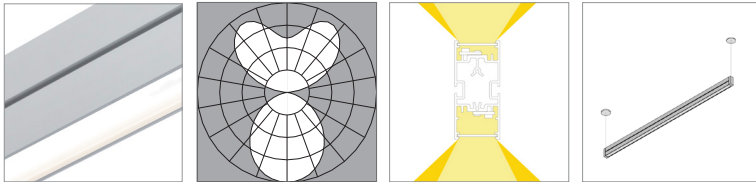


White Rail, White Canopy/Integral Power, White Cable

Performance | Zipper Board Optics

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

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



L80 >60,000 hours

80 CRI (80min., 84 avg.)

Low Output (LO)

	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	104	106	106	87	90	92	93
Lumens per foot (305mm)	693	715	730	730	598	617	629	635
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9

Standard Output (SO)

Efficacy - Lumens per Watt	116	120	123	123	101	104	106	107
Lumens per foot (305mm)	1387	1430	1460	1460	1195	1233	1258	1271
Watts per foot (305mm)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

High Output (HO)

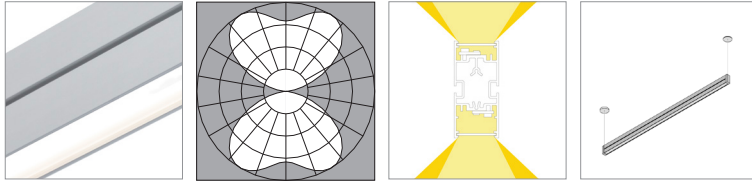
Efficacy - Lumens per Watt	108	111	114	114	93	96	98	99
Lumens per foot (305mm)	2635	2718	2773	2773	2271	2343	2391	2415
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

90 CRI (90min., 96 avg.)

Performance | Zipper Board Optics

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

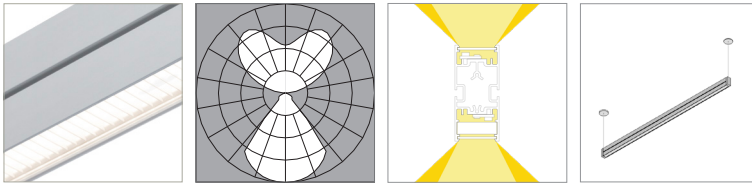
120° Batwing, up | 120° Flywing, down (G1G2)



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	110	113	115	115	95	97	99	100
Lumens per foot (305mm)	752	776	792	792	649	669	683	690
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Standard Output (SO)								
Efficacy - Lumens per Watt	126	130	133	133	109	112	115	116
Lumens per foot (305mm)	1505	1552	1584	1584	1297	1338	1366	1379
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	117	121	123	123	101	104	106	107
Lumens per foot (305mm)	2859	2949	3010	3010	2465	2543	2594	2620
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

120° Batwing, up | White Baffle, down (G1WB)



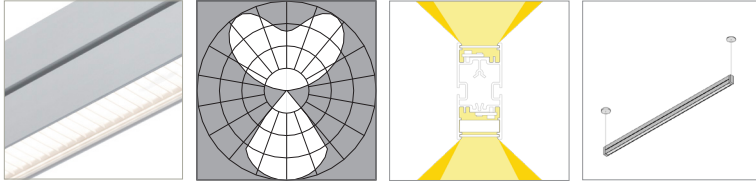
L80 >60,000 hours

	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	87	90	91	91	75	77	79	80
Lumens per foot (305mm)	595	614	627	627	513	529	540	546
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Standard Output (SO)								
Efficacy - Lumens per Watt	100	103	105	105	86	89	91	92
Lumens per foot (305mm)	1191	1228	1253	1253	1026	1059	1081	1091
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	93	96	98	98	80	83	84	85
Lumens per foot (305mm)	2262	2334	2381	2381	1950	2012	2053	2073
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

120° Batwing, up | Black Baffle, down (G1BB)



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	72	74	76	76	62	64	65	66
Lumens per foot (305mm)	492	508	518	518	424	438	447	451
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9

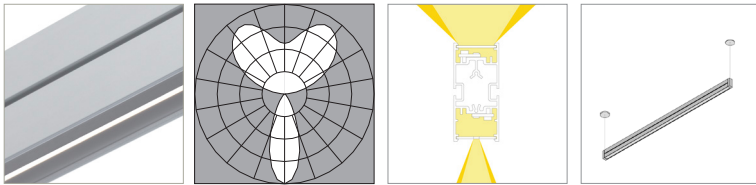
Standard Output (SO)

Efficacy - Lumens per Watt	83	85	87	87	72	74	75	76
Lumens per foot (305mm)	985	1016	1036	1036	849	876	894	902
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	77	79	81	81	66	68	70	70
Lumens per foot (305mm)	1871	1930	1969	1969	1613	1664	1698	1715
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

120° Batwing, up | 40° Symmetric, down (G1S1)



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	77	80	81	81	67	69	70	71
Lumens per foot (305mm)	530	547	558	558	457	471	481	486
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9

Standard Output (SO)

Efficacy - Lumens per Watt	89	92	94	94	77	79	81	82
Lumens per foot (305mm)	1060	1093	1116	1116	914	943	962	971
Watts per foot (305mm)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

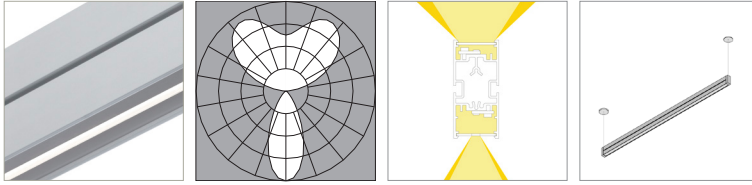
High Output (HO)

Efficacy - Lumens per Watt	83	85	87	87	71	74	75	76
Lumens per foot (305mm)	2014	2077	2120	2120	1736	1791	1827	1846
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

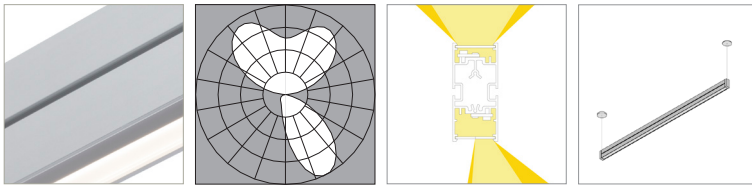
120° Batwing, up | 60° Symmetric, down (G1S2)



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	85	88	90	90	74	76	77	78
Lumens per foot (305mm)	585	603	616	616	504	520	531	536
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Standard Output (SO)								
Efficacy - Lumens per Watt	98	101	103	103	85	88	89	90
Lumens per foot (305mm)	1170	1207	1231	1231	1008	1040	1062	1072
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	91	94	96	96	79	81	83	84
Lumens per foot (305mm)	2223	2293	2340	2340	1916	1977	2017	2037
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

120° Batwing, up | 85° Asymmetric, down (G1A1)



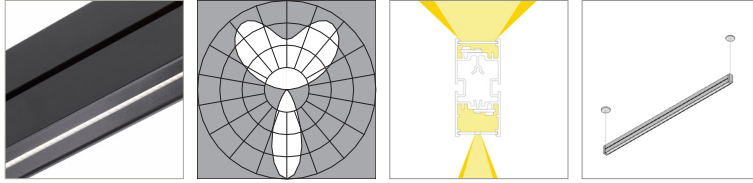
L80 >60,000 hours

	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	86	89	90	90	74	76	78	79
Lumens per foot (305mm)	590	608	621	621	508	524	535	540
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Standard Output (SO)								
Efficacy - Lumens per Watt	99	102	104	104	86	88	90	91
Lumens per foot (305mm)	1179	1216	1241	1241	1017	1049	1070	1081
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	92	95	97	97	79	82	83	84
Lumens per foot (305mm)	2240	2311	2358	2358	1931	1992	2033	2053
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

120° Batwing, up | 40° Symmetric, down, black finish (G1S1-BL)



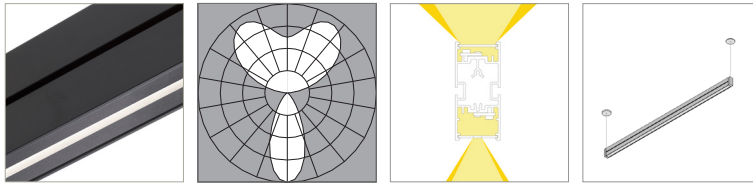
L80 >60,000 hours

	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	71	73	75	75	61	63	65	65
Lumens per foot (305mm)	487	502	512	512	420	433	442	446
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9

Standard Output (SO)								
Efficacy - Lumens per Watt	82	84	86	86	71	73	74	75
Lumens per foot (305mm)	973	1004	1025	1025	839	866	883	892
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	76	78	80	80	66	68	69	70
Lumens per foot (305mm)	1849	1908	1947	1947	1594	1645	1678	1695
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

120° Batwing, up | 60° Symmetric, down, black finish (G1S2-BL)



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	74	76	78	78	64	66	67	68
Lumens per foot (305mm)	505	521	532	532	436	449	459	463
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9

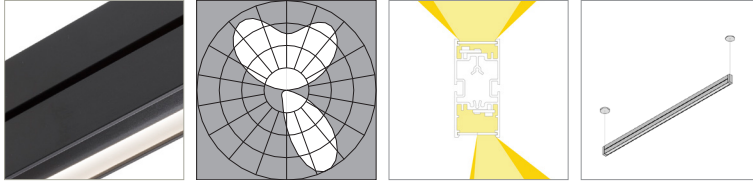
Standard Output (SO)								
Efficacy - Lumens per Watt	85	88	89	89	73	76	77	78
Lumens per foot (305mm)	1011	1042	1064	1064	871	899	917	926
Watts per foot (305mm)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

High Output (HO)								
Efficacy - Lumens per Watt	79	81	83	83	68	70	72	72
Lumens per foot (305mm)	1920	1981	2021	2021	1655	1707	1742	1760
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

120° Batwing, up | 85° Asymmetric, down, black finish (G1A1-BL)



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	80	83	84	84	69	71	73	73
Lumens per foot (305mm)	549	566	577	577	473	488	498	503
Watts per foot (305mm)	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Standard Output (SO)								
Efficacy - Lumens per Watt	92	95	97	97	80	82	84	85
Lumens per foot (305mm)	1097	1132	1155	1155	946	976	996	1005
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	85	88	90	90	74	76	78	78
Lumens per foot (305mm)	2084	2150	2194	2194	1797	1854	1891	1910
Watts per foot (305mm)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6

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