



Spec Guide

ZipTwo® | Square 5020 | Ceiling Cable | 707

Direct or indirect lighting for wall wash and ceiling wash applications.



Square 5020, Critical Edge, white

Benefits & Features

Minimal Profile, Robust Design

Rectangular profile. 2" (51mm) x .75" (19mm).

Superior Light Quality & Performance

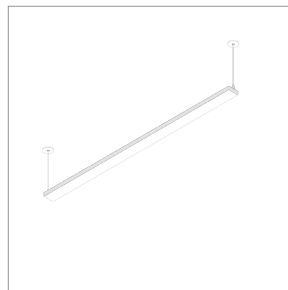
Output up to 1103 lm/ft (3617 lm/m) (HO), 112 lm/W (HO). 80 or 90 CRI & tunable white (2200K-5000K) available.

Adaptive Power Body

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

Floating Plane of Light

Clean lines created by Critical Edge™ optic and a wide luminous surface without diode image.



Small Round Canopy



Integral Power

Build Your Specification

707-Z2	S			CC	0	»
--------	---	--	--	----	---	---

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. <i>Corners and Shapes Available. See Corners and Shapes Guide for more details.</i>	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)	CC Ceiling Cable	48 48" cord (1219mm) 96 96" cord (2438mm) ZZ Other (please specify)
See Rail Length Chart for more details					

»			0	Z	»
---	--	--	---	---	---

Power Location	Power Type	Voltage	Emergency Power	LED Type
Integral Power IP Integral Power Small Round Canopy 2R25 25' (76.2m) Wire Harness 2R50 50' (15.24m) Wire Harness 2R75 75' (22.9m) Wire Harness 2R100 100' (30.5m) Wire Harness	Flexible 1 to 1 Power AE eldoLED 0-10v, 1.0% Dimming AT eldoLED 0-10v, 0.1% Dimming AD eldoLED DALI, 0.1% Dimming AX eldoLED DMX, 100-0.1% Dimming AH Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE1 AH2 Hi-lume 1% 2-wire LTEA2W (120V forward phase only) Optimized 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)	1 120v 2 120v-277v X Not Yet Specified	0 No Emergency Power ZZ Emergency Power (specify requirements)	Z Zipper Board™
*See Power Guide for driver features & limitations.				

»			0
---	--	--	---

Lumen Output	Color Temperature	Optics	Sensors
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	W5 Square 5020, Critical Edge	0 None ZZ Other (please specify)*

»	
---	--

Finish	Options
WH White	0 None
BL Black	9 9' 18/3 Cord and Plug

NOTES & LIMITATIONS

*Sensors available. Contact [Vode](#) for more information.
Contact factory for Chicago Plenum

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



Square 5020, Critical Edge



Square 5020, Critical Edge

Structure

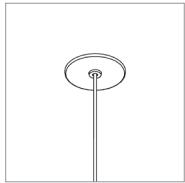
Rail Lengths	24" (610mm) - 144" (3658mm) See Rail Length Chart for more details
Rail Dimensions	2" (51mm) x 1.44" (37mm). See <i>dimensions section, page 7</i> , for details
Construction	Extruded and machined 6063 aluminum
Mounting	Ceiling mount to jbox or driver housing
Cable Length	48" (1220mm) and 96" (2438mm) available. Field adjustable. Non-standard cable lengths available.
System Run Length	24" (610mm) minimum. Unlimited maximum length
Operating Temperature	32°F to 104°F (0°C to 40°C)
Humidity	0-85%, non-condensing
System Weight	xx lbs per foot (xx kg per 305mm) power supply and housing not included

Materials

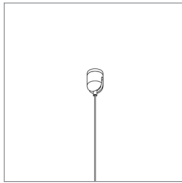
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant
Lens	High-impact extruded acrylic glass (PMMA).
Suspension Cable	Ø4mm, 22/4 AWG, TPE jacket, FEP-insulated, Red List Approved
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910, Red List 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

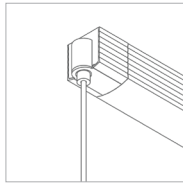


Small Round
Canopy
Ø2.5" (51mm)

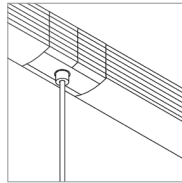


Center Support Cable
108" - 144" Rails Only
*Center Support Cable for
mounting to T-Bar tile available.*

Integral Power (24"-72")

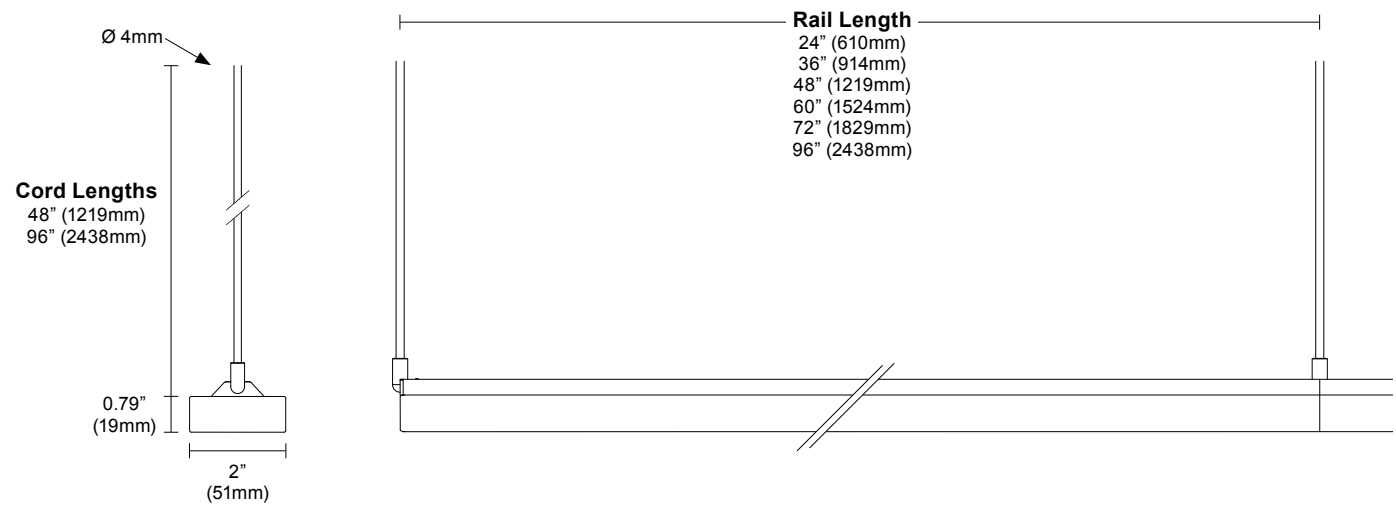


Integral Power
(end)
h 1.8" (46mm)
w 1.7" (43mm)

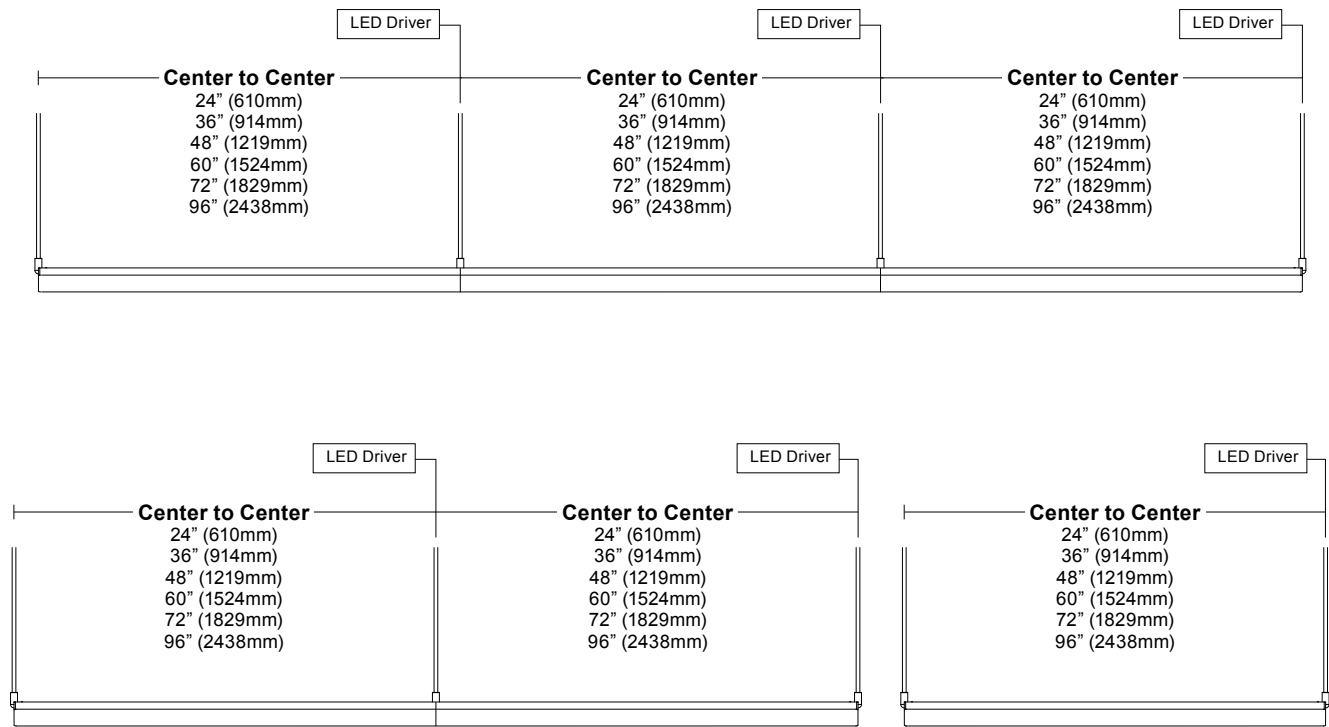


Integral Power
(joint)

24" - 96" Rail Dimensions

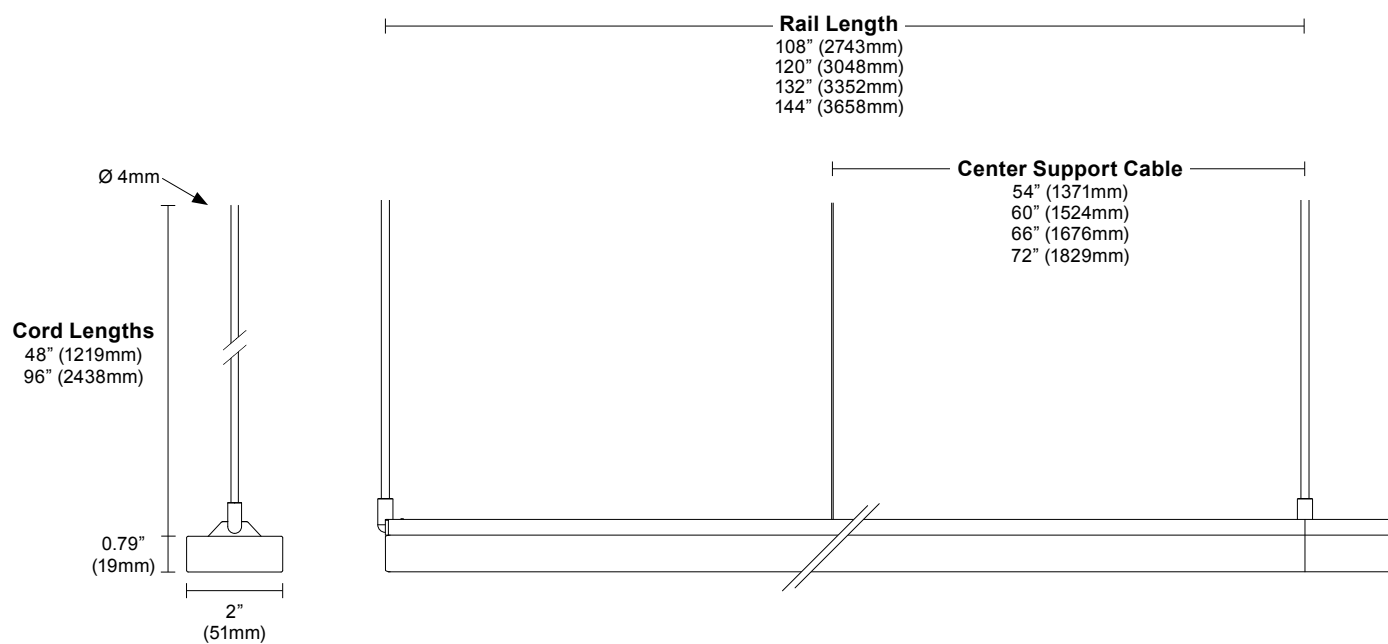


Layout

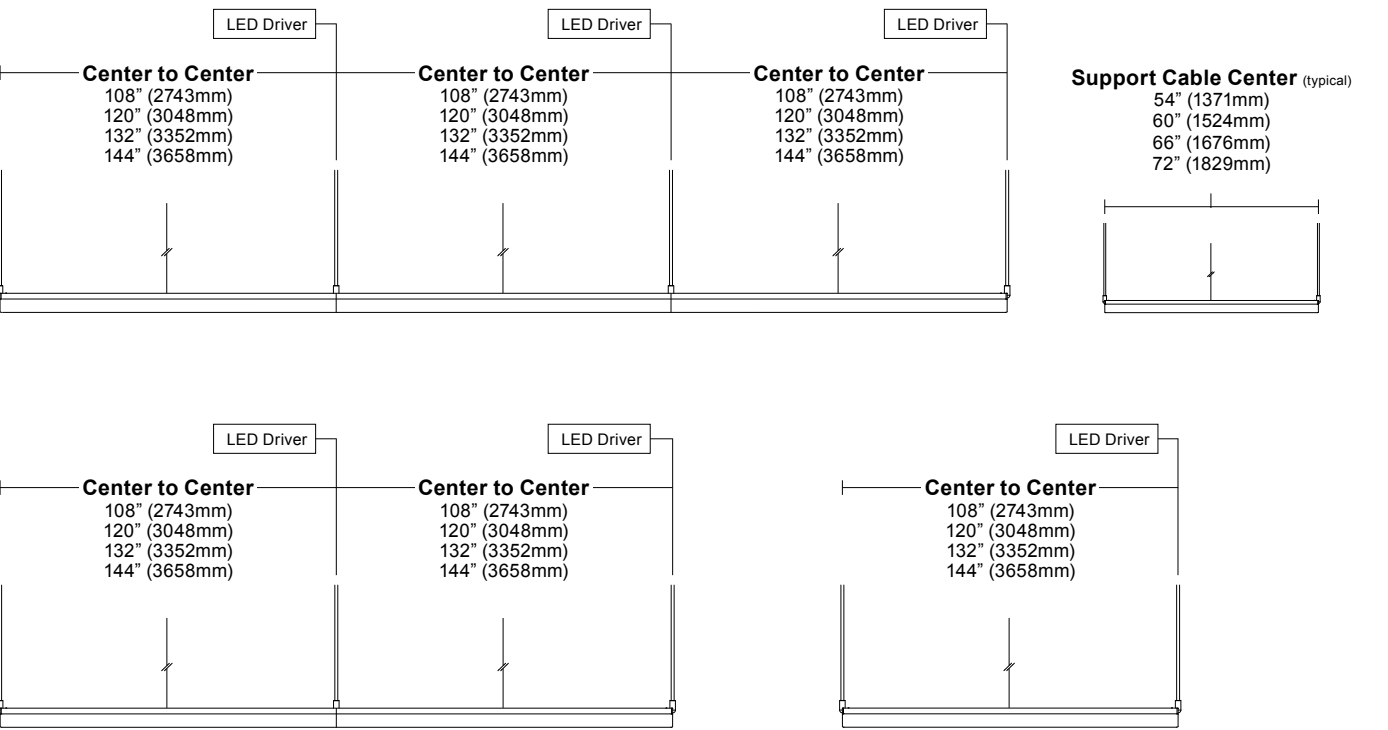


Corner and Shapes Available. See [Corners and Shapes Guide](#).

108" - 144" Rail Dimensions



Layout



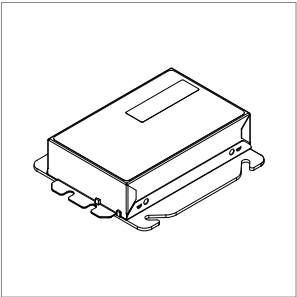
Corner and Shapes Available. See [Corners and Shapes Guide](#).

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.

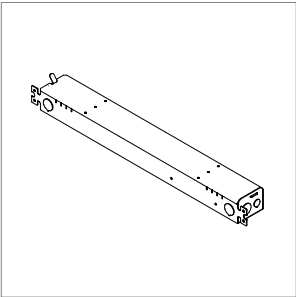
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive.

Remote Brick Power Housing



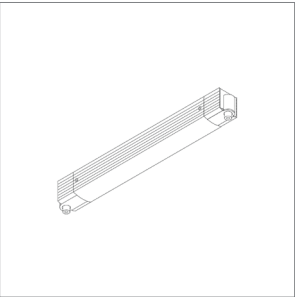
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

Remote Linear Power Housing



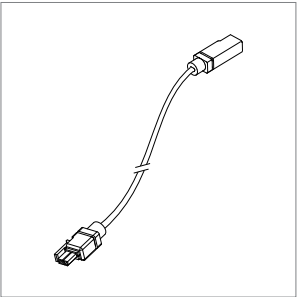
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

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

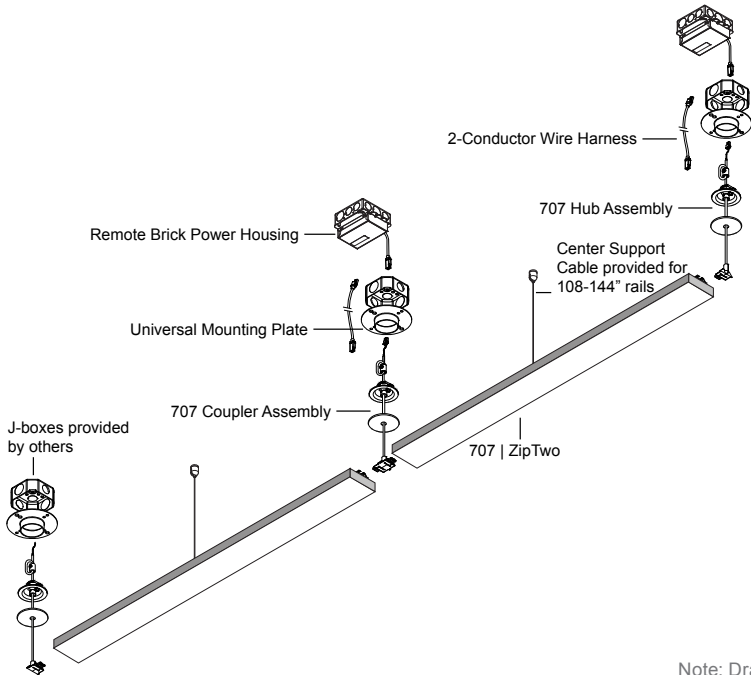


Wire harness connects driver to rail. Wire harness is 25' (7.6m) with micro fit molex connectors for quick and easy installation. Wire harnesses are also available in 50' (15m), 75' (22.9m), and 100' (30.5m). See [Tech Sheet](#) for details.

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.

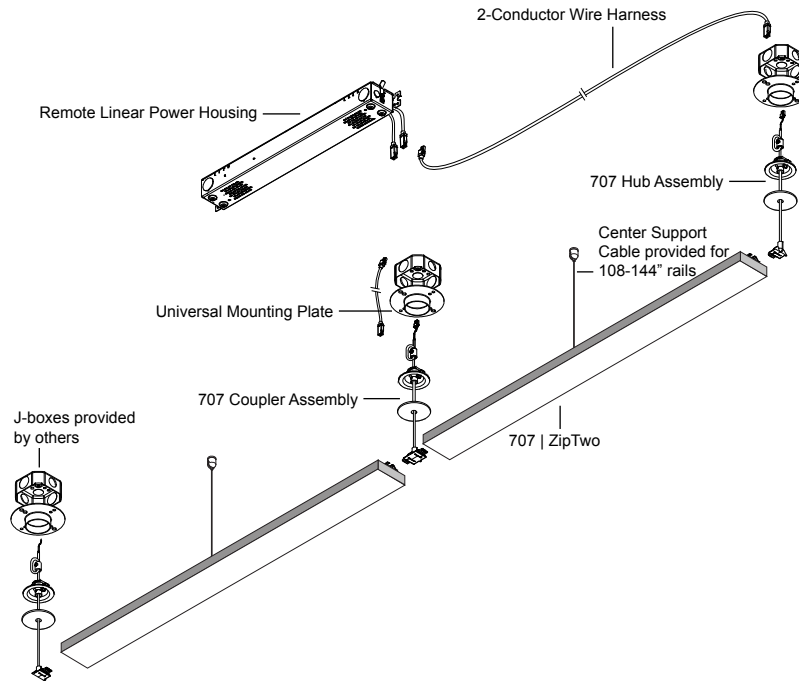


Note: Drawings not to scale, for reference only.

Optimized Power

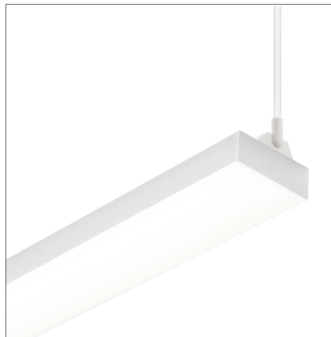
To optimize power, Vode configures specifications with drivers that have 2 or 4 outputs. Depending on system configurations and power requirements, up to 4 fixtures can be powered from a 4-output driver. Consult [Power Guide](#) to determine which type you will receive.

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



Finish

White Painted Finish



White Rail, White Canopy/Integral Power, White Cable

Black Anodized Finish



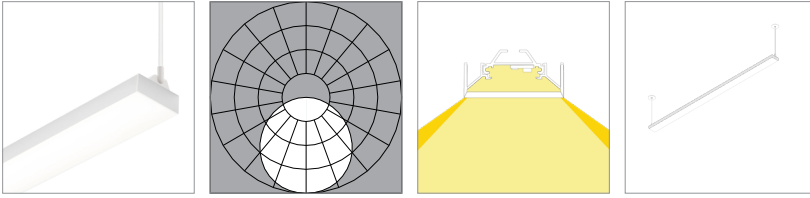
Black Rail, Black Canopy/Integral Power, Black Cable

Note: Drawings not to scale, for reference only.

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.

Square 5020, Critical Edge, white finish (W5-WH)



L80 >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	94	97	99	99	81	84	86	86
Lumens per foot (305mm)	349	360	368	368	301	311	317	320
Watts per foot (305mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8

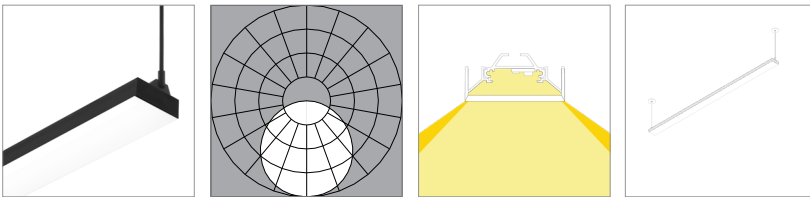
Standard Output (SO)

Efficacy - Lumens per Watt	107	111	113	113	93	96	98	99
Lumens per foot (305mm)	698	720	735	735	602	621	634	640
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	106	110	112	112	92	95	97	98
Lumens per foot (305mm)	1048	1081	1103	1103	903	932	951	960
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

Square 5020, Critical Edge, black finish (W5-BL)



L80 >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	67	69	70	70	58	59	61	61
Lumens per foot (305mm)	247	255	260	260	213	220	224	226
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	76	79	80	80	66	68	69	70
Lumens per foot (305mm)	494	509	520	520	426	439	448	452
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	75	78	79	79	65	67	68	69
Lumens per foot (305mm)	741	764	780	780	638	659	672	679
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

© 2021 Vode Lighting LLC. All rights reserved.

The Vode logo and Vode, ZipTwo, MicroBaffle and Zipper Board names are either registered trademarks or trademarks of Vode Lighting LLC in the United States and/or other countries. All other brand or product names are trademarks or registered trademarks of their respective owners. Due to ongoing innovation, specifications may change without notice.