



Adaptive architectural lighting systems



Spec Guide

ZipTwo® | Square 3570 | Ceiling Cable | 707

Direct lighting for open office and ambient applications.



Square 3570, Diffuse, white

Benefits & Features

Minimal Profile, Robust Design

Square profile. 1.38" (35mm) x 2.83" (72mm).

Superior Light Quality & Performance

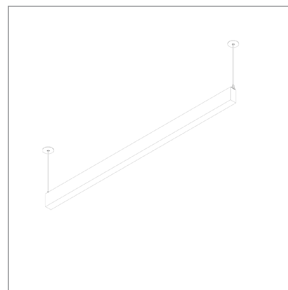
Output up to 2157 lm/ft (7074 lm/m) (HO), 156 lm/W HO. 80 or 90 CRI & tunable white (2200K-5000K) available.

Adaptive Power

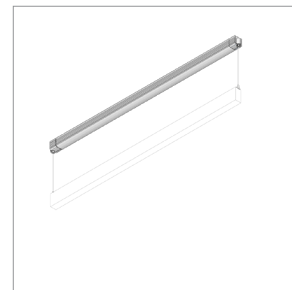
Full range dimming power for all protocols. Integral or remote power available. Remote power available up to 100' (30.5m) away.

Extensive Optics

Options of Diffuse, Critical Edge™, and Side Diffuse give designers the power to create and design their space using one product.



Small Round Canopy



Integral Power

Build Your Specification

707-Z2	S			CC	0
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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					

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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.				

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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	H6 Square 3570, Diffuse ¹ H9 Square 3570, Side Diffuse HA Square 3570, Single Side Diffuse	0 None ZZ Other (please specify) ²

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

NOTES & LIMITATIONS

¹ Square 3570, Diffuse is only available in White Finish (WH).² Sensors available. Contact [Vode](#) for more information.

Contact factory for Chicago Plenum

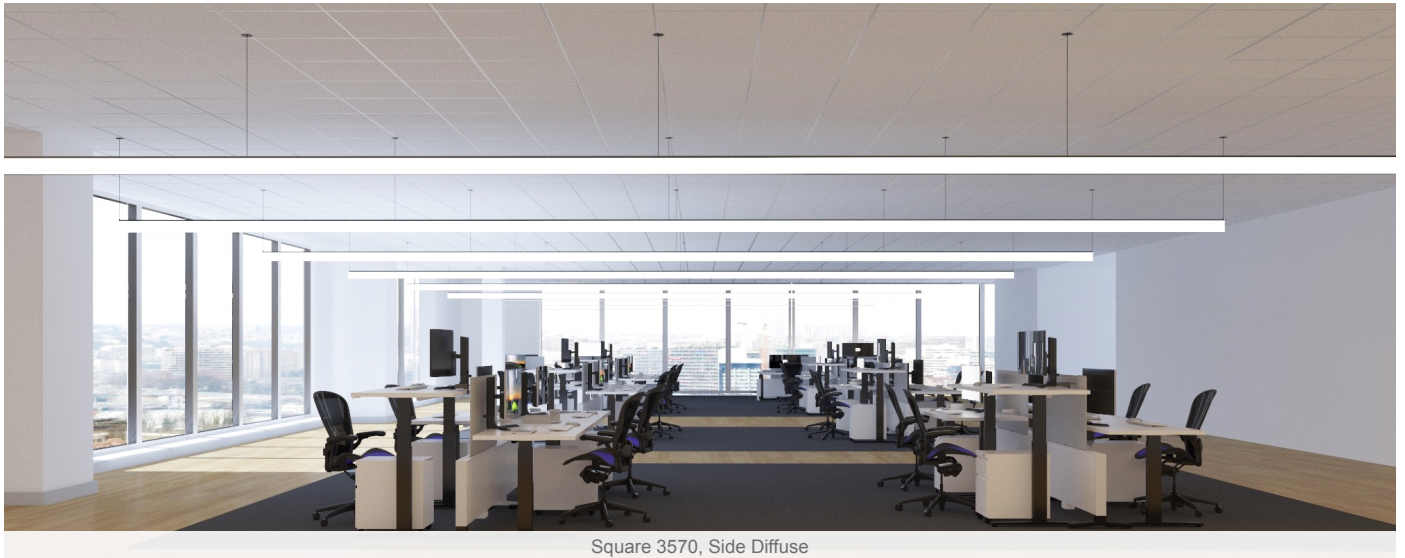
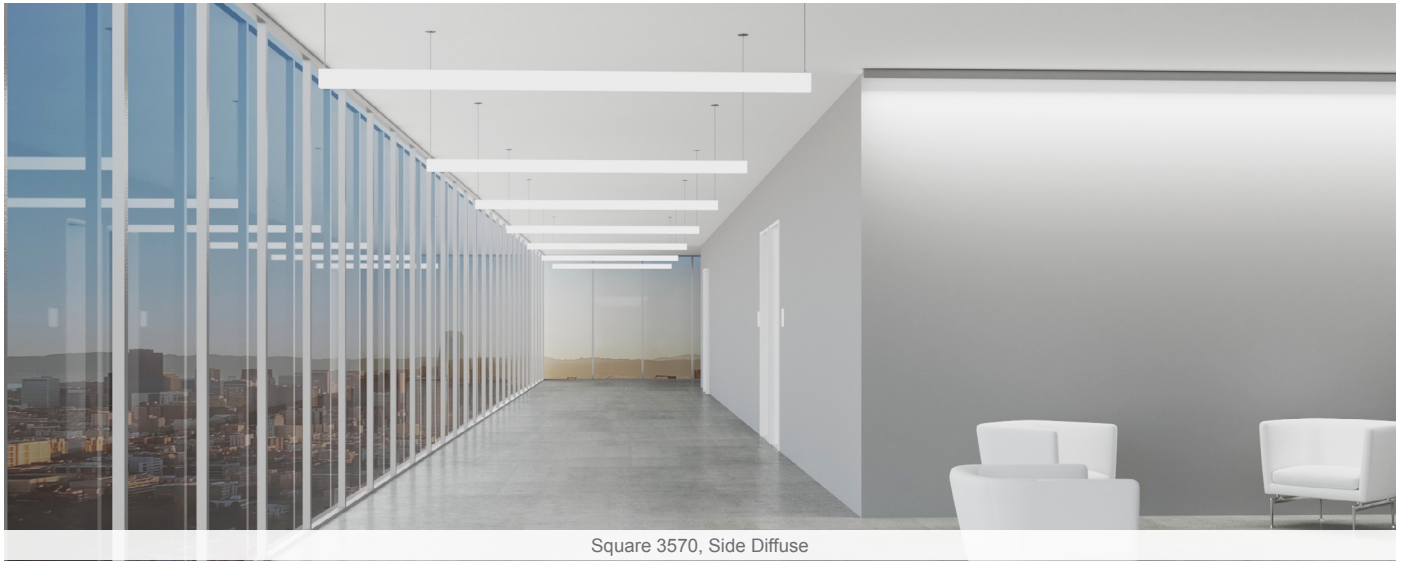
5 Year Limited Warranty. See full Vode warranty description [here](#) or at [vode.com](#).

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



Applications

General Interior and Open Office



Structure

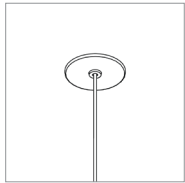
Rail Lengths	24" (610mm) - 144" (3658mm) See Rail Length Chart for more details
Rail Dimensions	1.38" (35mm) x 3.52" (89mm). See <i>dimensions section, page 7</i> , for details
Construction	Extruded and machined 6063 aluminum
Mounting	Ceiling mount to jbox or driver housing
Cable Length	48" (1220mm) 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	0.48 lbs per foot (0.22 kg per 305mm) power supply and housing not included

Materials

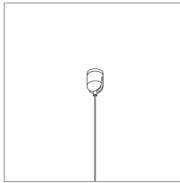
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant
Lens	High-impact extruded acrylic glass (PMMA).
Suspension Cable	Ø4mm, 22/4 AWG, TPE jacket, FEP-insulated, Red List Approved
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910, Red List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

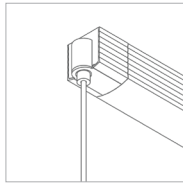


Small Round
Canopy
Ø2.5" (51mm)

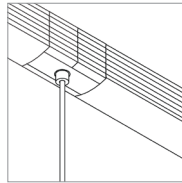


Center Support Cable
108" - 144" Rails Only
*Center Support Cable for
mounting to T-Bar tile available.*

Integral Power (24"-72")

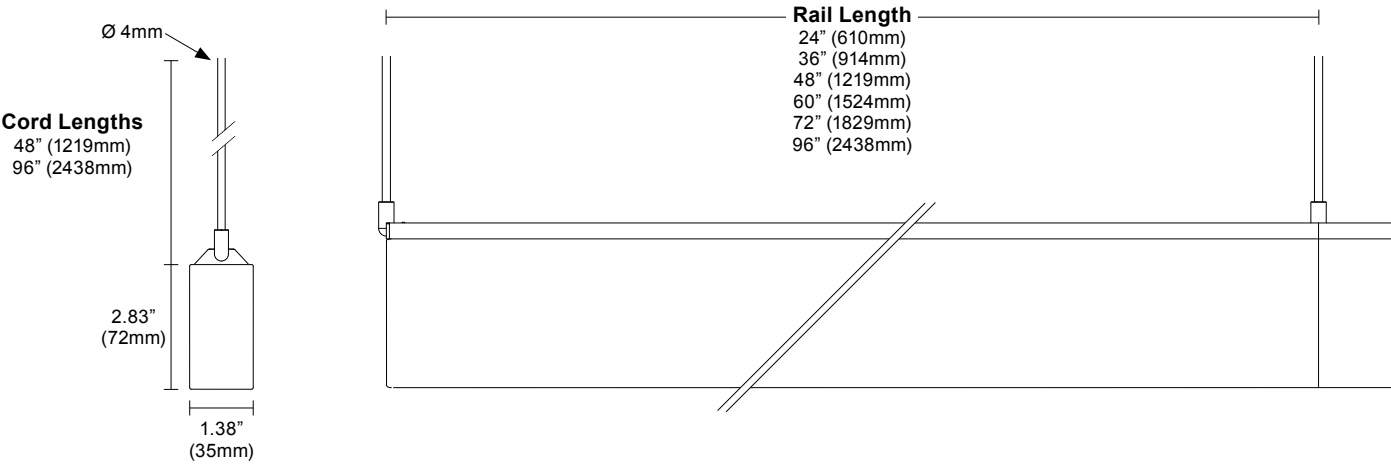


Integral Power
(end)
h 1.8" (46mm)
w 1.7" (43mm)

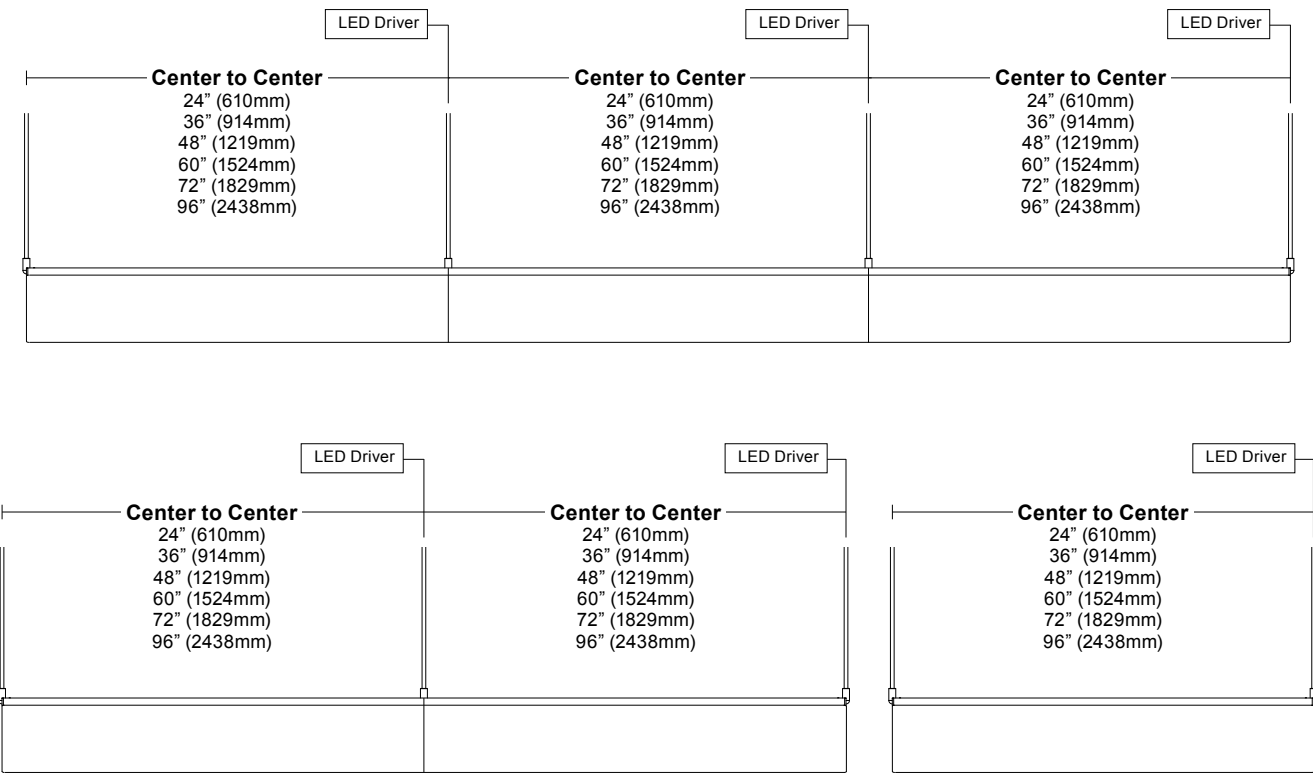


Integral Power
(joint)

24" - 96" Rail Dimensions

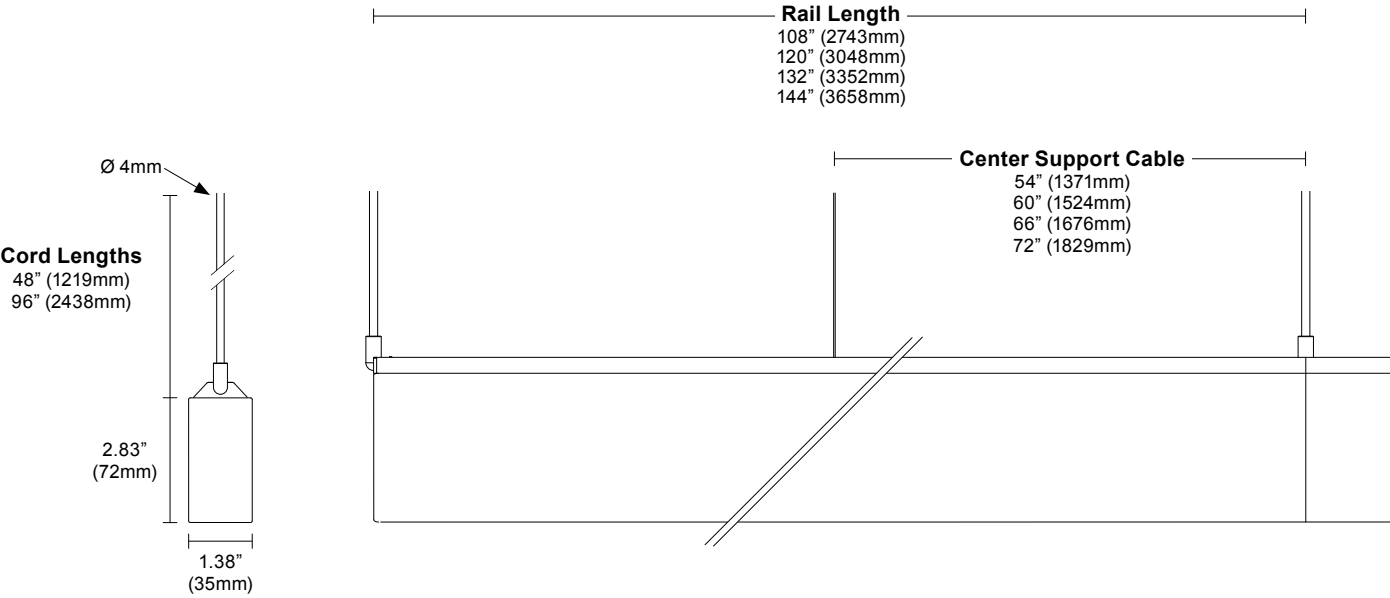


Layout

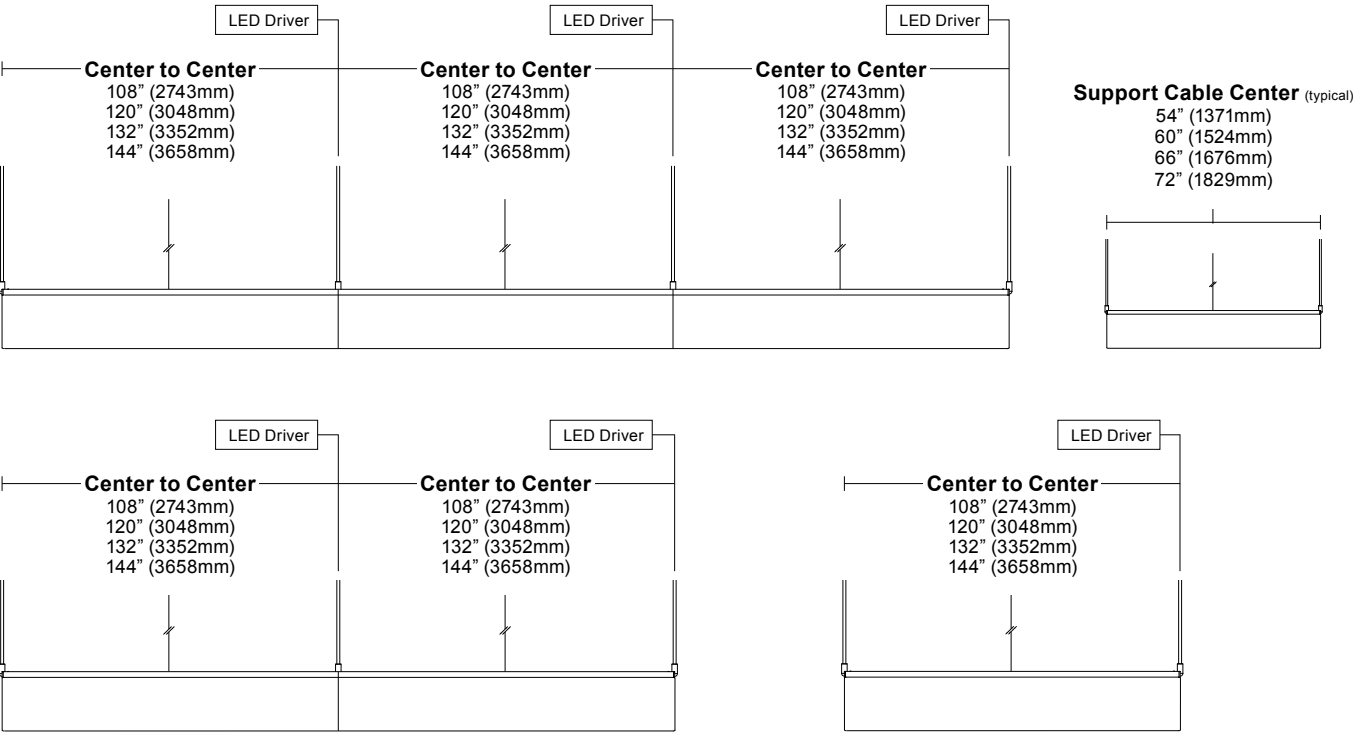


Corner and Shapes Available. See [Corners and Shapes Guide](#).

108" - 144" Rail Dimensions



Layout



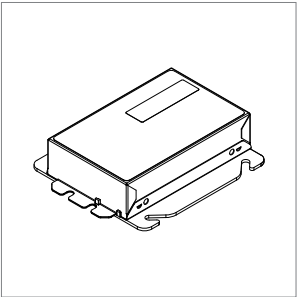
Corner and Shapes Available. See [Corners and Shapes Guide](#).

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.

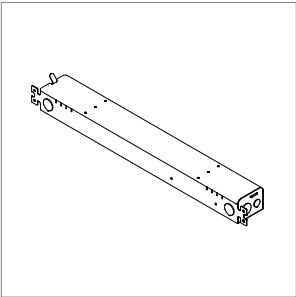
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive.

Remote Brick Power Housing



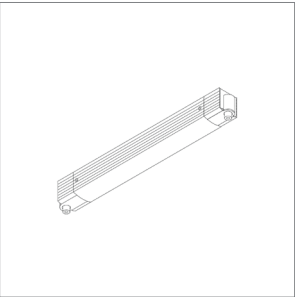
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

Remote Linear Power Housing



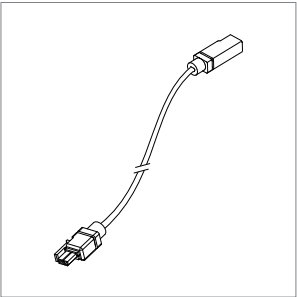
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

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

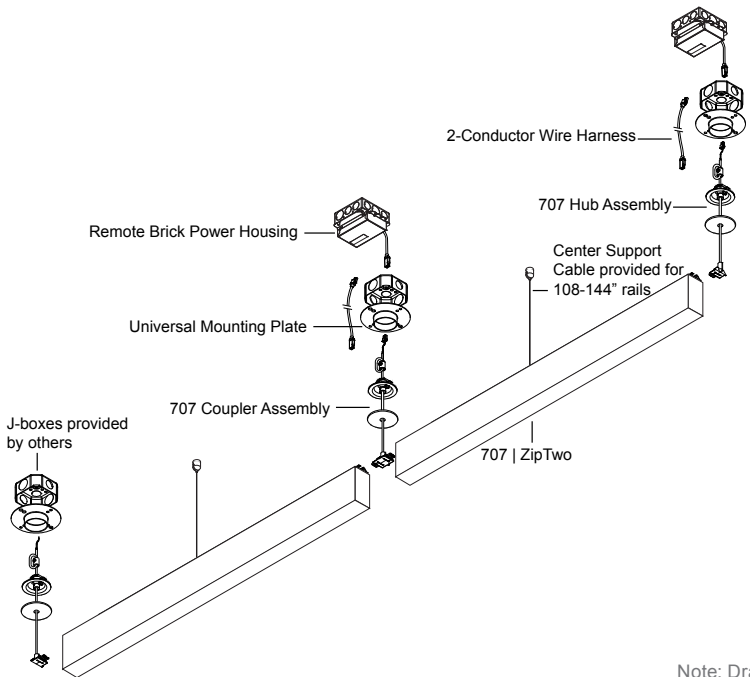


Wire harness connects driver to rail. Wire harness is 25' (7.6m) with micro fit molex connectors for quick and easy installation. Wire harnesses are also available in 50' (15m), 75' (22.9m), and 100' (30.5m). See [Tech Sheet](#) for details.

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.

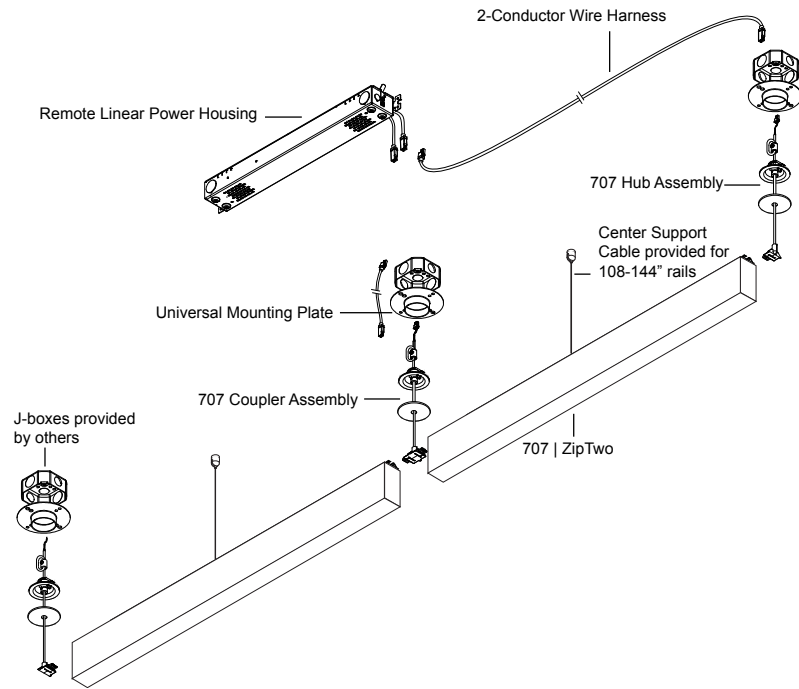


Note: Drawings not to scale, for reference only.

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



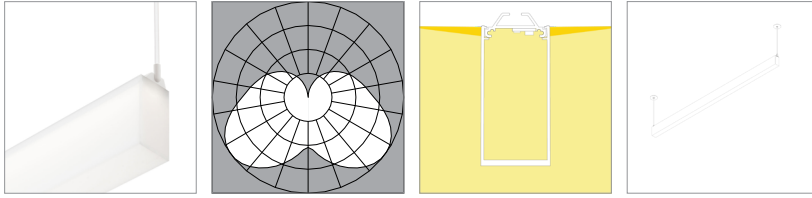
Black Rail, Black Canopy/Integral Power, Black Cable

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.

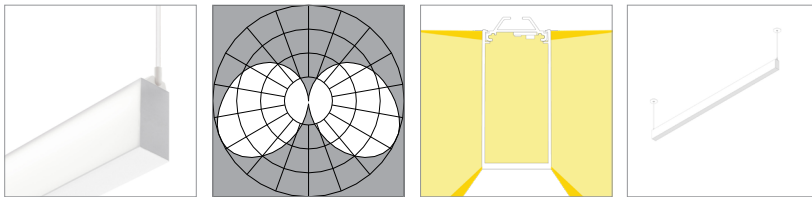
Square 3570, Diffuse, white finish (H6-WH)



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	184	190	194	194	159	164	167	169
Lumens per foot (305mm)	683	705	719	719	589	607	620	626
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	210	216	221	221	180	186	190	192
Lumens per foot (305mm)	1366	1409	1438	1438	1178	1215	1240	1252
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	208	214	219	219	179	185	189	190
Lumens per foot (305mm)	2049	2114	2157	2157	1766	1822	1859	1878
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

Square 3570, Side Diffuse, white finish (H9-WH)



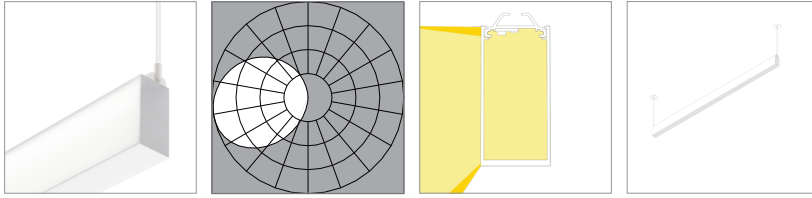
L80 >60,000 hours

	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	125	129	132	132	108	111	114	115
Lumens per foot (305mm)	465	479	489	489	401	413	422	426
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	143	147	150	150	123	127	129	131
Lumens per foot (305mm)	929	959	978	978	801	826	843	852
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	141	146	149	149	122	126	128	130
Lumens per foot (305mm)	1394	1438	1467	1467	1202	1240	1265	1278
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

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.

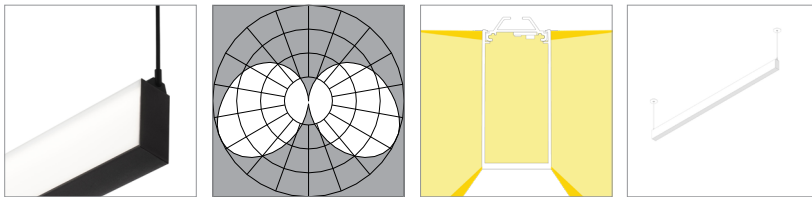
Square 3570, Single Side Diffuse, white finish (HA-WH)



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	103	106	108	108	88	91	93	94
Lumens per foot (305mm)	380	392	400	400	327	338	345	348
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	117	121	123	123	101	104	106	107
Lumens per foot (305mm)	760	784	800	800	655	675	689	696
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	116	119	122	122	100	103	105	106
Lumens per foot (305mm)	1139	1175	1199	1199	982	1013	1034	1044
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

Square 3570, Side Diffuse, black finish (H9-BL)



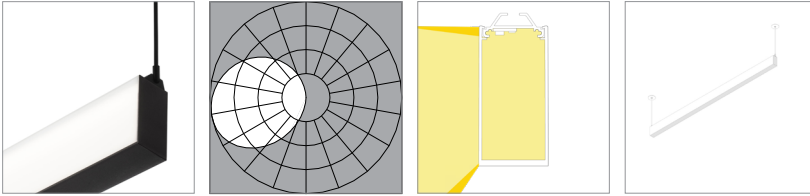
L80 >60,000 hours

	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	109	112	114	114	94	97	99	100
Lumens per foot (305mm)	402	415	424	424	347	358	365	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	112	113
Lumens per foot (305mm)	805	830	847	847	694	716	730	738
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	126	129	129	106	109	111	112
Lumens per foot (305mm)	1207	1245	1271	1271	1041	1073	1095	1106
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

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 3570, Single Side Diffuse, black finish (HA-BL)



L80 >60,000 hours

80 CRI (80min., 84 avg.)**Low Output (LO)**

	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	82	85	87	87	71	73	75	76
Lumens per foot (305mm)	305	315	321	321	263	271	277	280
Watts per foot (305mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8

90 CRI (90min., 96 avg.)**Standard Output (SO)**

Efficacy - Lumens per Watt	94	97	99	99	81	83	85	86
Lumens per foot (305mm)	610	630	642	642	526	543	554	559
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	93	96	98	98	80	83	85	85
Lumens per foot (305mm)	915	944	964	964	789	814	831	839
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9