



## Spec Guide

# ZipTwo | Square 3520 | Ceiling Cable | 707



Direct lighting for open office and ambient applications.



Square 3520, Diffuse, white

### Benefits & Features

#### Minimal Profile, Robust Design

Square profile. 1.38" (35mm) x 0.75" (19mm).

#### Superior Light Quality & Performance

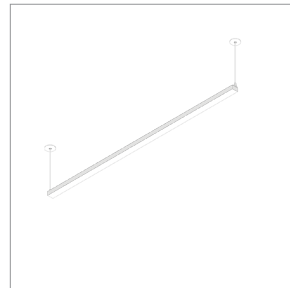
Output up to 1474 lm/ft (HO), 150 lm/W (HO). 90 static & 90 CRI tunable white 2200K - 5000K. Custom ranges available upon request.

#### Adaptive Power Body

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	»
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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>Corner and Shapes Available See Guide for details.</i>	<b>24</b> 24" (610mm) <b>36</b> 36" (914mm) <b>48</b> 48" (1219mm) <b>60</b> 60" (1524mm) <b>72</b> 72" (1829mm) <b>96</b> 96" (2438mm) <b>108</b> 108" (2743 mm) <b>120</b> 120" (3048 mm) <b>132</b> 132" (3352 mm) <b>144</b> 144" (3658 mm) <b>ZZ</b> Other rail length or layout (please specify)	CC Ceiling Cable	<b>48</b> 48" cord (1219mm) <b>96</b> 96" cord (2438mm) <b>ZZ</b> Other (please specify)

See [Rail Length Chart](#) for more details.

**▲ Custom lengths may result in light gaps on the fixture. See [Rail Length Chart](#) for more details.**

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Power Location	Power Type	Voltage	Emergency Power
<b>Integral Power</b>	<b>Flexible 1 to 1 Power</b>	<b>1</b> 120V	<b>0</b> No Emergency Power
<b>IP</b> Integral Power	<b>AE</b> 0-10v, 1.0% Dimming	<b>2</b> 120V - 277V	<b>ZZ</b> Emergency Power (specify requirements)
<b>Remote Power</b>	<b>AT</b> 0-10v, 0.1% Dimming	<b>X</b> Not Yet Specified	
Specify mounting and harness length code example: <b>2R25, 2R50</b> ...etc.	<b>AD</b> DALI, 0.1% Dimming		
<b>Mounting Option</b>	<b>AX</b> DMX, 100-0% Dimming		
<b>2R</b> Small Round Canopy	<b>AH</b> Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE <sup>1</sup>		
<b>4R</b> Large Round Canopy	<b>AH2</b> ELV 1% 2-wire (Forward and Reverse Phase)		
<b>Wire Harness</b>	<b>Optimized Power</b>		
<b>10</b> 10' (3.048m) Wire Harness	Add 'O' to power type example: AEO, ATO...etc. <sup>1</sup>		
<b>25</b> 25' (7.62m) Wire Harness	<b>VodeNODE</b>		
<b>50</b> 50' (15.24m) Wire Harness	Add 'N' to power type for Flexible 1 to 1 Power		
<b>75</b> 75' (22.86m) Wire Harness	Add 'ON' to power type for Optimized Power example: AEN, ATN, AEON, ADON...etc. <sup>2</sup>		
<b>100</b> 100' (30.48m) Wire Harness	<b>ZZ</b> Other (please specify)		
	See <a href="#">Power Guide</a> for driver features & limitations.		

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LED Type	Lumen Output	Color Temperature	Optics	Sensors <sup>4</sup>
Z Zipper Board	<b>LO</b> Low Output <b>SO</b> Standard Output <b>HO</b> High Output <b>ZZ</b> Other (please specify) See <a href="#">IES Files</a> page for details. See <a href="#">Power Guide</a> for driver features & limitations.	<b>90+</b> CRI <b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K <b>ZZ</b> Tunable White Available See <a href="#">Guide</a> for details.	<b>F5</b> Square 3520, Critical Edge <b>F6</b> Square 3520, Diffuse <sup>3</sup> <b>F9</b> Square 3520, Side Diffuse <b>FA</b> Square 3520, Single Side Diffuse	<b>0</b> None <b>ENC</b> Canopy with integrated Enlighted Micro Sensor <b>WSC</b> Canopy with integrated Legrand Wattstopper sensor <b>LAC</b> Canopy with integrated Lutron Athena sensor <b>ZZ</b> Other (please specify) <sup>2</sup>

**NOTES & LIMITATIONS**

- <sup>1</sup> Optimized Power is not available with Hi-lume 1% EcoSystem (AHO) Power Type.
  - <sup>2</sup> VodeNODE enclosure is not available with ELV 1% 2-wire (AH2) Power Type.
  - <sup>3</sup> Square 3520, Diffuse is only available in White Finish (WH).
  - <sup>4</sup> Sensors, drivers and control units that are integrated into Vode fixtures are discrete components that communicate with network lighting controls. For more information about each network lighting control system, visit the manufacturer's website for additional system information and technical data sheets.
- For general information about network lighting controls, consult the DesignLights Consortium® (DLC) [Networked Lighting Control Qualified Product List](#)

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Finish	Options
<b>WH</b> White	<b>0</b> None
<b>BL</b> Black	<b>9</b> 9' 18/3 Cord and Plug
	<b>LLLC</b> Luminaire Level Lighting Controls
	<b>CPS</b> Chicago Plenum Fixture Adapter & Power
	<b>CPP</b> Chicago Plenum Power
	<b>CPA</b> Chicago Plenum Fixture Adapter

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.

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



## Applications

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### General Interior and Open Office



Square 3520, Diffuse



Square 3520, Critical Edge

Sustainability & Certifications

**DECLARE**

**International Living Future Institute (ILFI)**



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

**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:**

Steel; Anodized Aluminum (6063-T5 Alloy); Small Electrical Component (RoHS); Copper; **Fluorinated Ethylene Propylene (masterbatch)**; 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

**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 FEB 2026  
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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
 INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)

Click here to learn more: [International Living Future Institute](http://International Living Future Institute)

**TM65NA**

**CIBSE & ASHRAE on Embodied Carbon**

Vode recognizes TM65NA as the highest standard for understanding the embodied carbon of our fixtures.

Developed with ASHRAE, it adapts CIBSE's TM65 for North America, ensuring accurate regional assessments. It must be used alongside TM65 and follows TM65LA's framework.

**System:** 707 | ZipTwo | Ceiling Cable  
**Embodied Carbon (kg CO<sub>2</sub>e):** 36.89\*

\***Note:** Embodied Carbon, expressed in kilograms of CO<sub>2</sub>e is calculated using a 48" fixture and includes the LED driver.



Click here to learn more [CIBSE, ASHRAE](#).

**BAA X BABA**

**Buy American Act / Build America & Buy America Act Compliance**

Vode is dedicated to supporting domestic manufacturing and ensuring compliance with BAA and BABA requirements.

Given the complexity of our products, we recommend reaching out to [vodecares@vode.com](mailto:vodecares@vode.com) for confirmation regarding compliance for your specific project.



Click here to learn more: [US Department of Commerce](http://US Department of Commerce)



## Structure

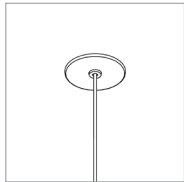
Rail Lengths	24" (610mm) - 144" (3658mm). Modified lengths available. See <a href="#">Rail Length Chart</a> for more details.
Rail Dimensions	1.38" (35mm) x 0.75" (19mm) x length.
Construction	Extruded and machined 6063 aluminum.
Mounting	Ceiling mount to jbox or driver housing.
Cable Length	48" (1220mm) and 96" (2438mm) available. Field adjustable. Non-standard cable lengths available.
System Run Length	24" (610mm) minimum. Unlimited maximum.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-85%, non-condensing.
System Weight	"Diffuse, Side Diffuse, Single Side Diffuse: 0.37 lbs per foot (0.17 kg per 305mm) power supply and housing not included. Critical Edge: 0.42 lbs per foot (0.19 kg per 305mm) Power supply and housing not included.

## Materials

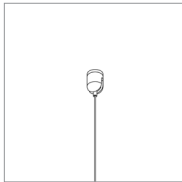
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Suspension Cable	Ø4mm, 22/4 AWG, TPE jacket, FEP-insulated, Red List Approved.
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910, Red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

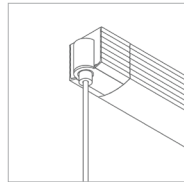


Small Round Canopy  
Ø2.5" (51mm)

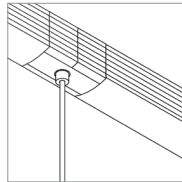


Center Support Cable  
108" - 144" Rails Only  
Center Support Cable for mounting to T-Bar tile available.

### Integral Power (24"-72")

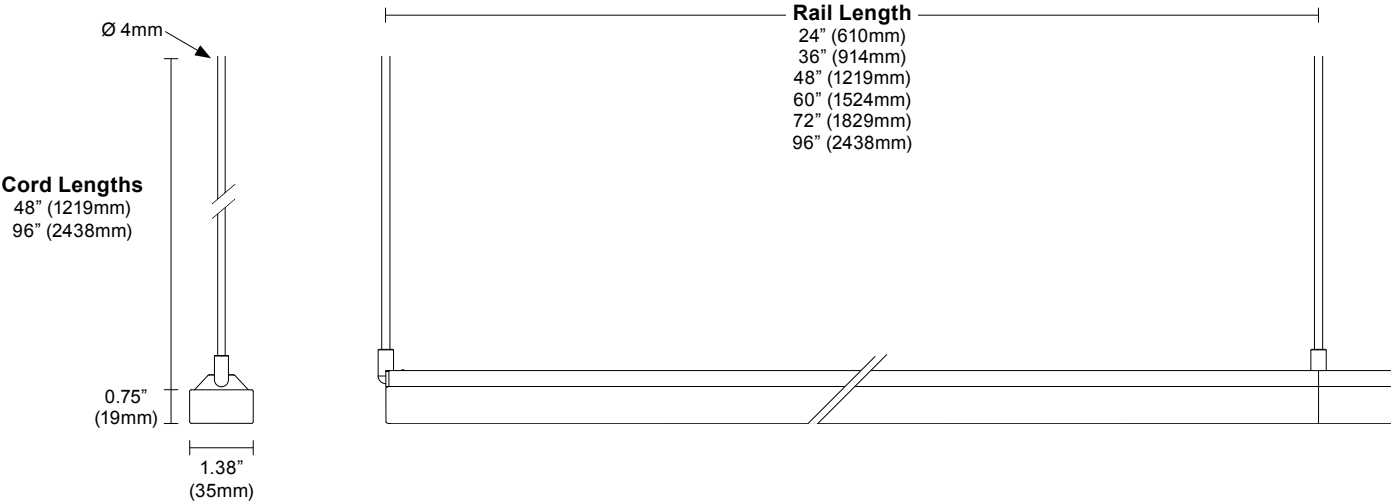


Integral Power (end)  
h 1.8" (46mm)  
w 1.7" (43mm)

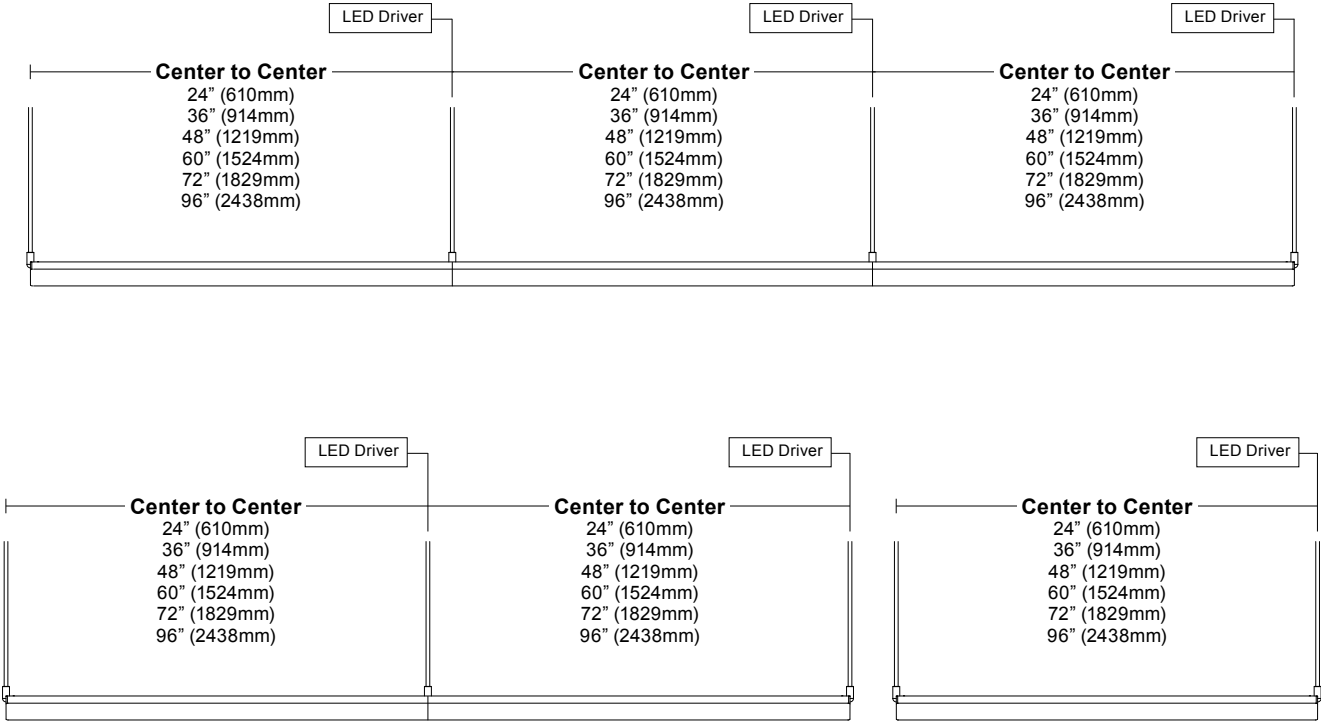


Integral Power (joint)

Dimensions

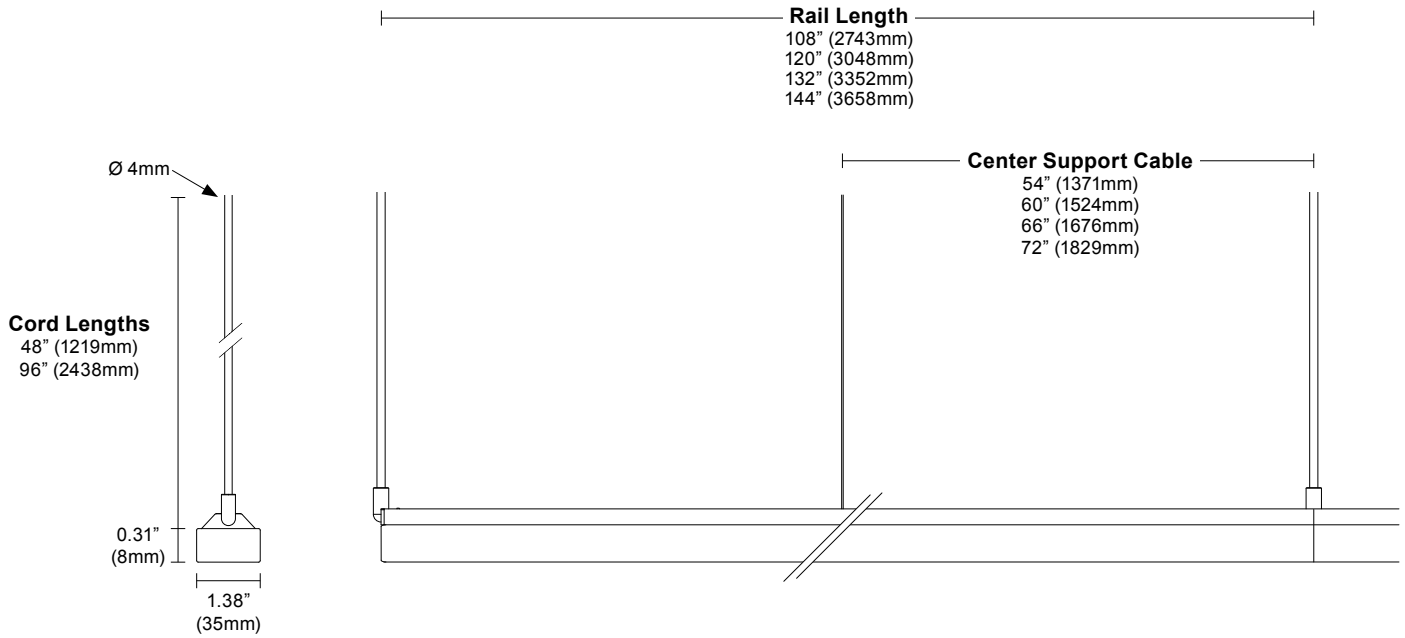


Layout

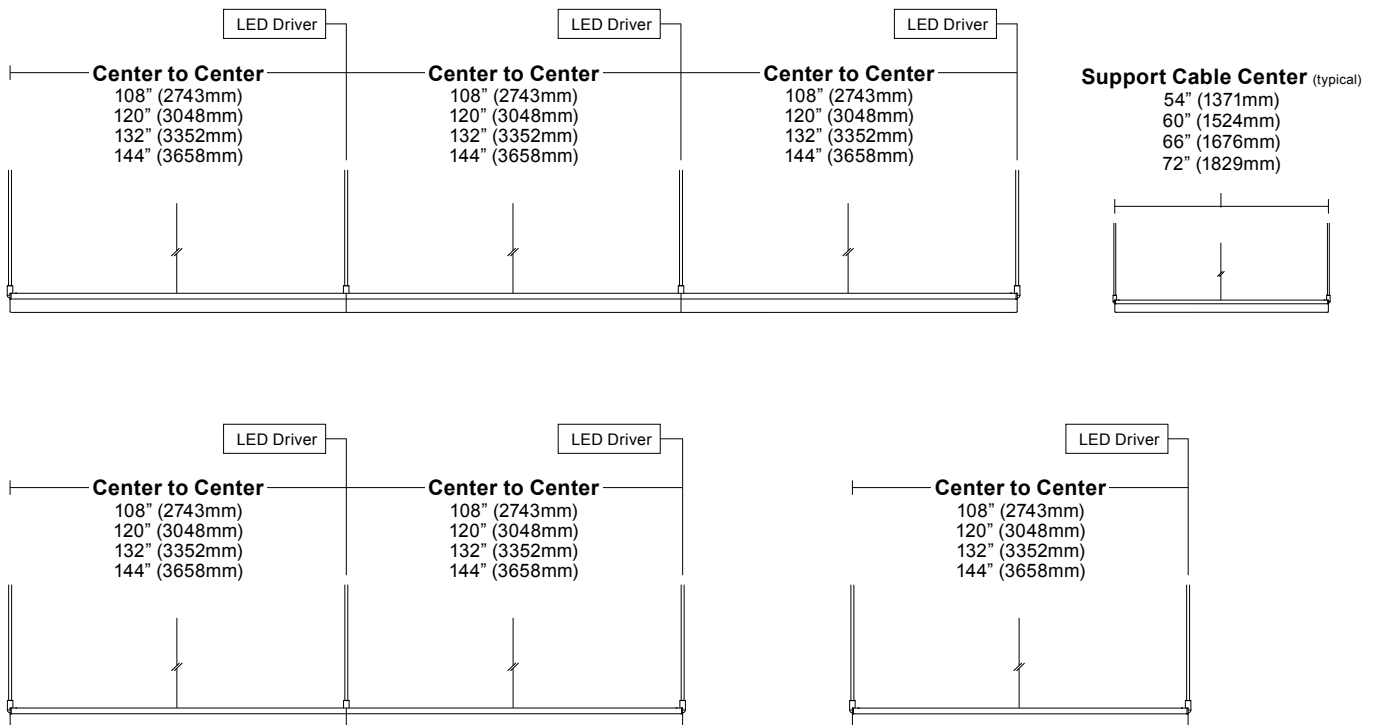


Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) [See Guide](#) for details.

## Dimensions



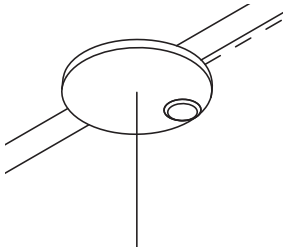
## Layout



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

## vodeCONNECT Sensors

Canopy with integrated sensor



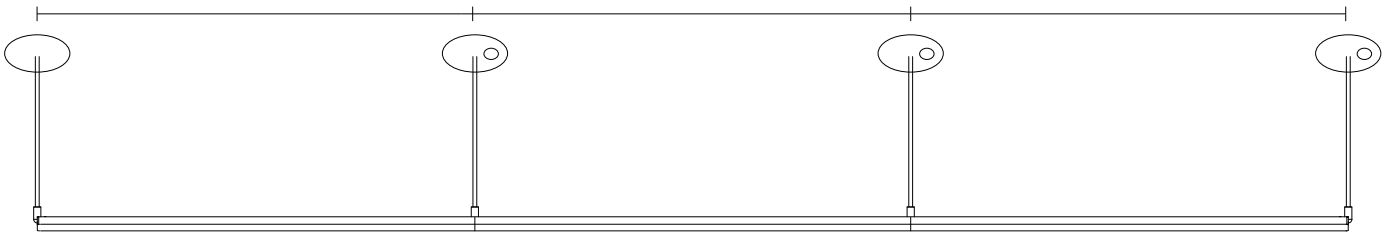
Sensor partners



### Integrated canopy sensor layout <sup>1</sup>

*1 sensor per fixture. See [vodeCONNECT brochure](#) for more details.*

**NOTES:** 1. Available with Large Round Canopy only.



### Compatible sensors



Lutron Athena



Legrand Wattstopper



Enlighted Micro Sensor

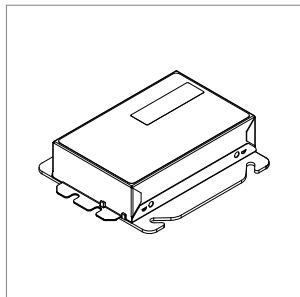


## Power and Controls

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 <a href="#">Power Guide</a> 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 <a href="#">Power Guide</a> for details.

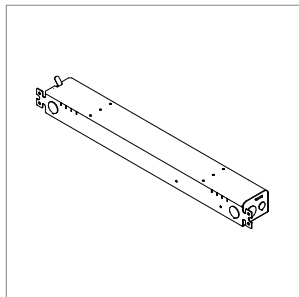
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive.

### Remote Brick Power Housing



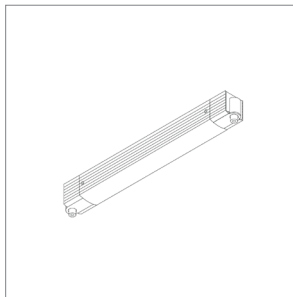
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in<sup>3</sup> (J-Box not provided). See [Tech Sheet](#) for details.

### Remote Linear Power Housing



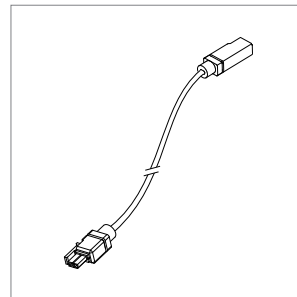
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

### 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

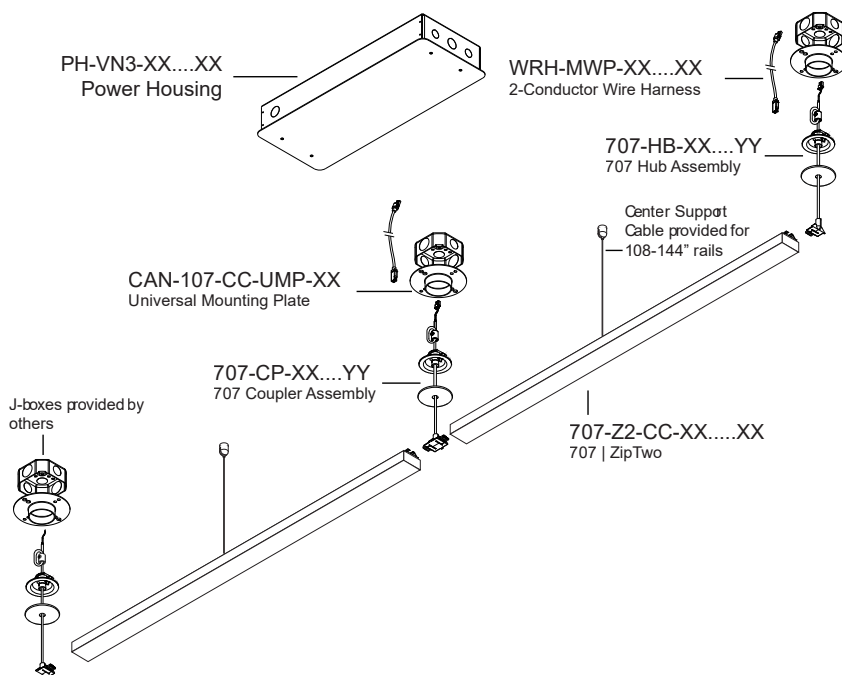


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m). See [Tech Sheet](#) for details.

## 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.

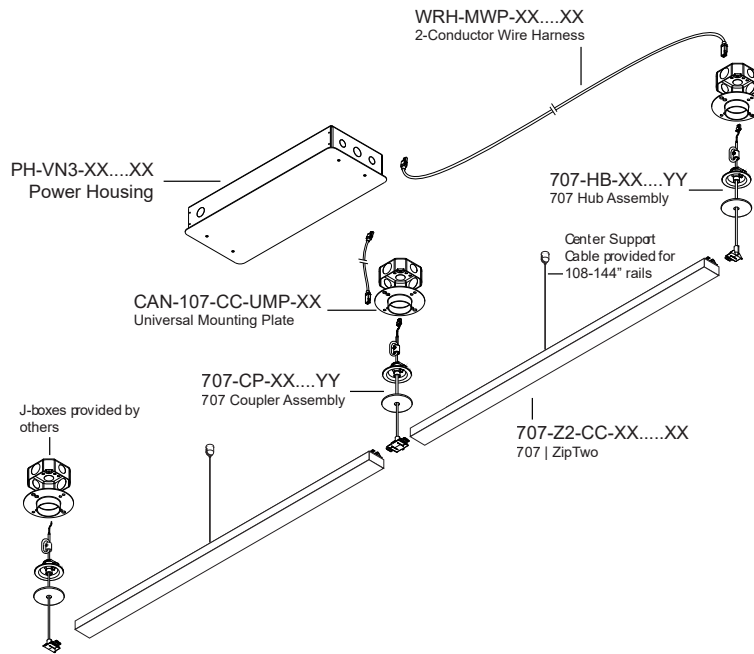


Note: Drawings not to scale, for reference only.

### 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 Finish



White Rail, White Canopy/Integral Power, White Cable

Black Finish



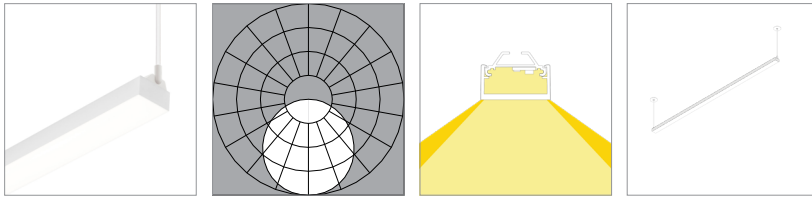
Black Rail, Black Canopy/Integral Power, Black Cable

Note: Drawings not to scale, for reference only.

## Performance | Zipper Board Optics

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

### Square 3520, Critical Edge, white finish (F5-WH)



L90 >100,000 hours

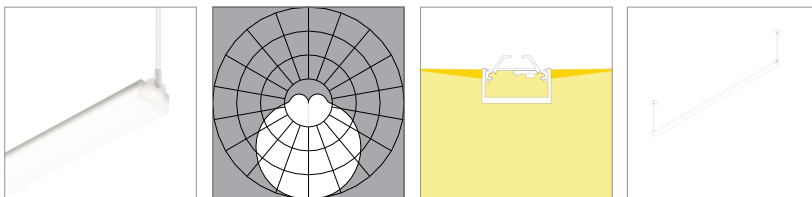
**90 CRI (90min., 96 avg.)**

<b>Low Output (LO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	65	67	69	69
Lumens per foot (305mm)	242	249	254	257
Watts per foot (305mm)	3.8	3.8	3.8	3.8

<b>Standard Output (SO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	77	78	79
Lumens per foot (305mm)	483	498	509	514
Watts per foot (305mm)	6.6	6.6	6.6	6.6

<b>High Output (HO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	76	78	78
Lumens per foot (305mm)	725	747	763	770
Watts per foot (305mm)	9.9	9.9	9.9	9.9

### Square 3520, Diffuse, white finish (F6-WH)



L90 >100,000 hours

**90 CRI (90min., 96 avg.)**

<b>Low Output (LO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	43	44	45	45
Lumens per foot (305mm)	157	162	165	167
Watts per foot (305mm)	3.8	3.8	3.8	3.8

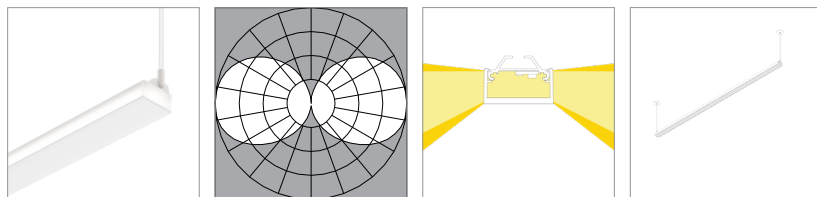
<b>Standard Output (SO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	48	50	51	52
Lumens per foot (305mm)	314	324	331	334
Watts per foot (305mm)	6.6	6.6	6.6	6.6

<b>High Output (HO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	48	50	51	51
Lumens per foot (305mm)	471	486	496	501
Watts per foot (305mm)	9.9	9.9	9.9	9.9

## Performance | Zipper Board Optics

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

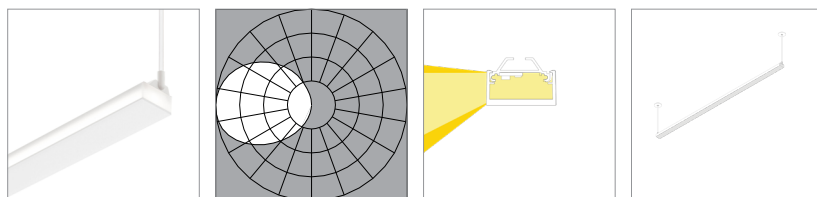
### Square 3520, Side Diffuse, white finish (F9-WH)



L90 >100,000 hours

	90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K
<b>Low Output (LO)</b>				
Efficacy - Lumens per Watt	52	54	55	56
Lumens per foot (305mm)	193	199	203	205
Watts per foot (305mm)	3.8	3.8	3.8	3.8
<b>Standard Output (SO)</b>				
Efficacy - Lumens per Watt	60	62	63	63
Lumens per foot (305mm)	386	398	406	410
Watts per foot (305mm)	6.6	6.6	6.6	6.6
<b>High Output (HO)</b>				
Efficacy - Lumens per Watt	59	61	62	63
Lumens per foot (305mm)	578	597	609	615
Watts per foot (305mm)	9.9	9.9	9.9	9.9

### Square 3520, Single Side Diffuse, white finish (FA-WH)



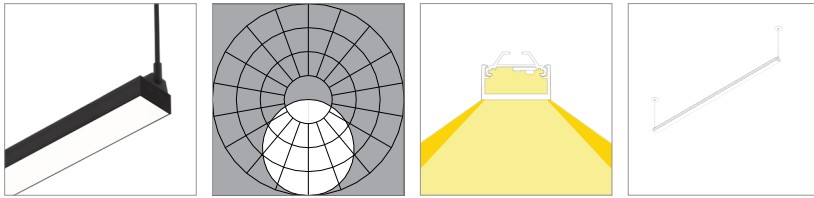
L90 >100,000 hours

	90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K
<b>Low Output (LO)</b>				
Efficacy - Lumens per Watt	33	34	35	35
Lumens per foot (305mm)	122	126	128	130
Watts per foot (305mm)	3.8	3.8	3.8	3.8
<b>Standard Output (SO)</b>				
Efficacy - Lumens per Watt	38	39	40	40
Lumens per foot (305mm)	244	251	256	259
Watts per foot (305mm)	6.6	6.6	6.6	6.6
<b>High Output (HO)</b>				
Efficacy - Lumens per Watt	37	39	39	40
Lumens per foot (305mm)	365	377	385	389
Watts per foot (305mm)	9.9	9.9	9.9	9.9

## Performance | Zipper Board Optics

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

### Square 3520, Critical Edge, black finish (F5-BL)



L90 >100,000 hours

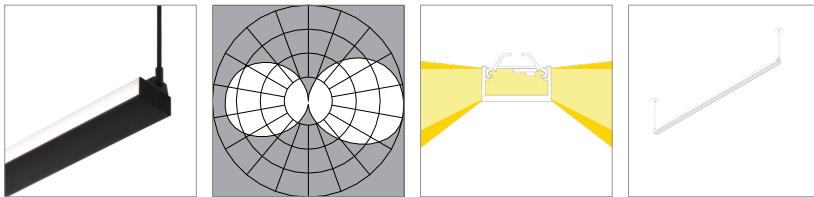
**90 CRI (90min., 96 avg.)**

<b>Low Output (LO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	43	44	45	45
Lumens per foot (305mm)	157	162	165	167
Watts per foot (305mm)	3.8	3.8	3.8	3.8

<b>Standard Output (SO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	48	50	51	52
Lumens per foot (305mm)	314	324	331	334
Watts per foot (305mm)	6.6	6.6	6.6	6.6

<b>High Output (HO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	48	50	51	51
Lumens per foot (305mm)	471	486	496	501
Watts per foot (305mm)	9.9	9.9	9.9	9.9

### Square 3520, Side Diffuse, black finish (F9-BL)



L90 >100,000 hours

**90 CRI (90min., 96 avg.)**

<b>Low Output (LO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	44	45	46	47
Lumens per foot (305mm)	162	167	170	172
Watts per foot (305mm)	3.8	3.8	3.8	3.8

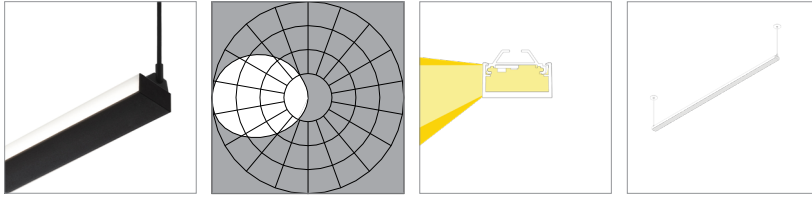
<b>Standard Output (SO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	50	52	53	53
Lumens per foot (305mm)	324	334	341	344
Watts per foot (305mm)	6.6	6.6	6.6	6.6

<b>High Output (HO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	50	51	52	53
Lumens per foot (305mm)	486	501	511	517
Watts per foot (305mm)	9.9	9.9	9.9	9.9

## Performance | Zipper Board Optics

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

Square 3520, Single Side Diffuse, black finish (FA-BL)



L90 >100,000 hours

	90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K
<b>Low Output (LO)</b>				
Efficacy - Lumens per Watt	25	26	27	27
Lumens per foot (305mm)	93	95	97	98
Watts per foot (305mm)	3.8	3.8	3.8	3.8
<b>Standard Output (SO)</b>				
Efficacy - Lumens per Watt	29	30	30	31
Lumens per foot (305mm)	185	191	195	197
Watts per foot (305mm)	6.6	6.6	6.6	6.6
<b>High Output (HO)</b>				
Efficacy - Lumens per Watt	29	29	30	30
Lumens per foot (305mm)	278	286	292	295
Watts per foot (305mm)	9.9	9.9	9.9	9.9