Spec Guide

ZipTwo | Square 3520 | Ceiling Cable | 707

Red List Approved
Declare.

Direct lighting for open office and ambient applications.

Square 3520, Diffuse, white

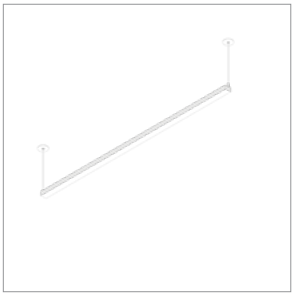
Benefits & Features

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	

System & Rail Type
707-Z2 ZipTwo

System Type
S Suspended

System Length
Specify overall system length in ft/in or M/mm.

Corner and Shapes Available ***See Guide*** *for details.*

Rail Length
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)

See ***Rail Length Chart*** *for more details.*

⚠ ***Custom lengths may result in light gaps on the fixture. See Rail Length Chart for more details.***

Mounting
CC Ceiling Cable

Arm/Cord Length
48 48” cord (1219mm)
96 96” cord (2438mm)
ZZ Other (please specify)

Power Location
Integral Power
IP Integral Power

Remote Power
Specify mounting and harness length code example: **2R25, 2R50**...etc.

Mounting Option
2R Small Round Canopy
4R Large Round Canopy

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

Power Type
Flexible 1 to 1 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) [5]

Optimized Power
Add ‘**O**’ to power type example: AE**O**, AT**O**...etc. [1]

VodeNODE
Add ‘**N**’ to power type for Flexible 1 to 1 Power
Add ‘**ON**’ to power type for Optimized Power
example: AE**N**, AT**N**, AE**ON**, AD**ON**...etc. [2]

ZZ Other (please specify)

See ***Power Guide*** *for driver features & limitations.*

Voltage
1 120V
2 120V - 277V
X Not Yet Specified

Emergency Power
0 No Emergency Power
ZZ Emergency Power *(specify requirements)*

Z				

LED Type
Z Zipper Board

Lumen Output
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.*

Color Temperature
90+ CRI
27 2700K
30 3000K
35 3500K
40 4000K

ZZ Tunable White Available
See Guide for details.

Optics
F5 Square 3520, Critical Edge
F6 Square 3520, Diffuse [3]
F9 Square 3520, Side Diffuse
FA Square 3520, Single Side Diffuse

Sensors [4]
0 None
WSC Canopy with integrated Legrand Wattstopper sensor
LAC Canopy with integrated Lutron Athena sensor
ZZ Other (please specify) [2]

Finish
WH White
BL Black

Options
0 None
9 9’ 18/3 Cord and Plug
LLLC Luminaire Level Lighting Controls
CPS Chicago Plenum Fixture Adapter & Power
CPP Chicago Plenum Power
CPA Chicago Plenum Fixture Adapter

NOTES & LIMITATIONS

[1] *Optimized Power is not available with Hi-lume 1% EcoSystem (AHO) Power Type.*
[2] *VodeNODE enclosure is not available with ELV 1% 2-wire (AH2) Power Type.*
[3] *Square 3520, Diffuse is only available in White Finish (WH).*
[4] *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.*
[5] *Lengths of 24” and shorter are not supported due to driver limitations. Daisy chaining multiple fixtures to achieve minimum load is permitted but may introduce installation complexity—consult factory for layout guidance.*
For general information about network lighting controls, consult the DesignLights Consortium® (DLC) ***Networked Lighting Control Qualified Product List****.*

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

General Interior and Open Office

Square 3520, Diffuse

Square 3520, Critical Edge

Sustainability & Certifications

DECLARE

International Living Future Institute (ILFI)

Red List Approved

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

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:

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
■ LBC Red List Approved
☐ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

VDE-0001
EXP. 01 FEB 2026
Original Issue Date: 2018

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Click here to learn more: ***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_2e): 36.89*

***Note**: Embodied Carbon, expressed in kilograms of CO_2e is calculated using a 48" fixture **and includes the LED driver.**

CIBSE ASHRAE

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** for confirmation regarding compliance for your specific project.

BAA BABA

Click here to learn more: ***US Department of Commerce***

Structure

Rail Lengths	24” (610mm) - 144” (3658mm). Modified lengths available. *See **Rail Length Chart** 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

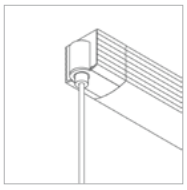
Remote Power

Small Round Canopy
Ø2.5” (51mm)

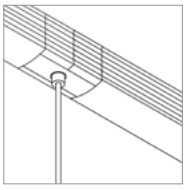
Center Support Cable
108” - 144” Rails Only

Center Support Cable for mounting to T-Bar tile available.

Integral Power (24”-72”)

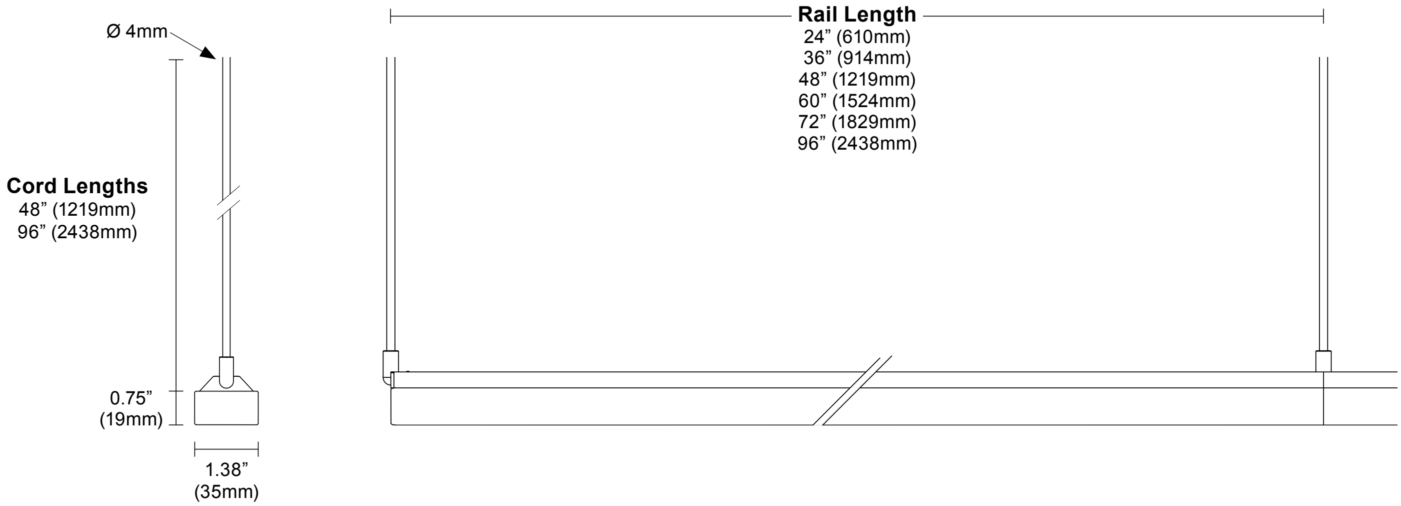


Integral Power (end)
h 1.8” (46mm)
w 1.7” (43mm)

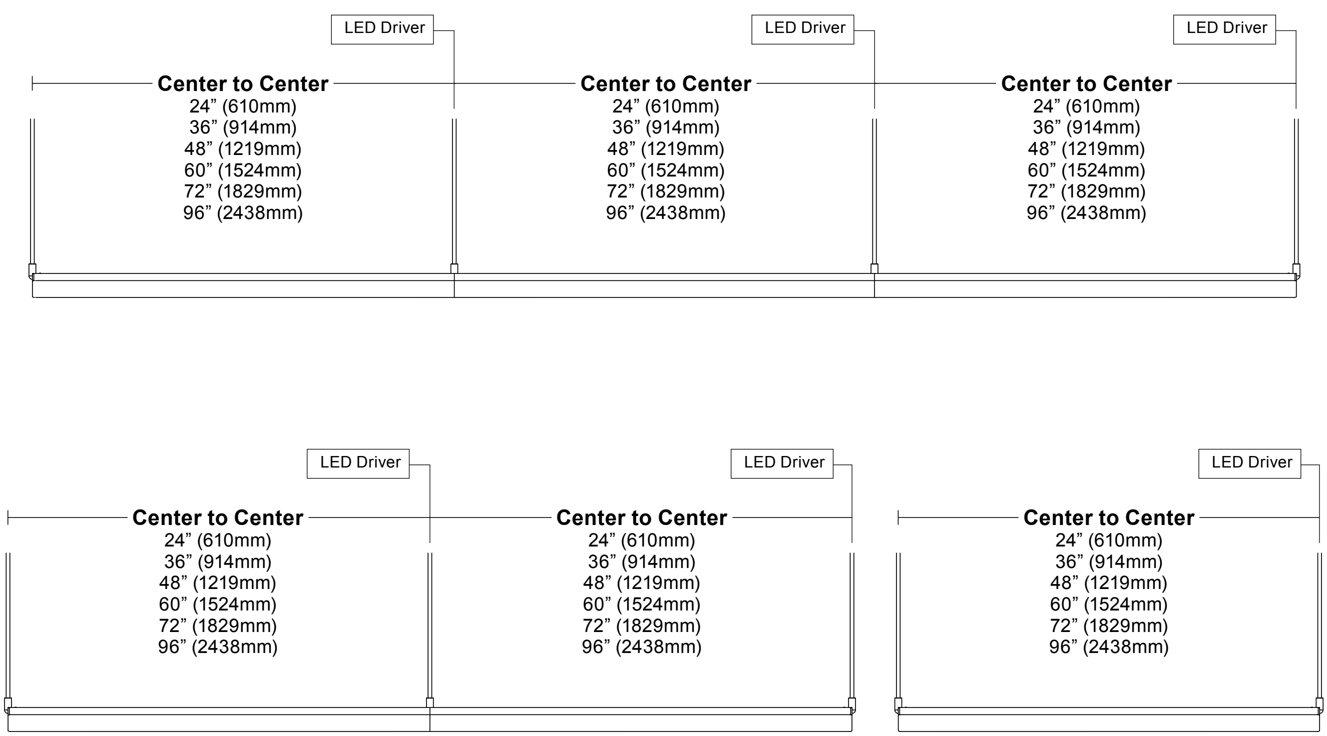


Integral Power (joint)

Dimensions

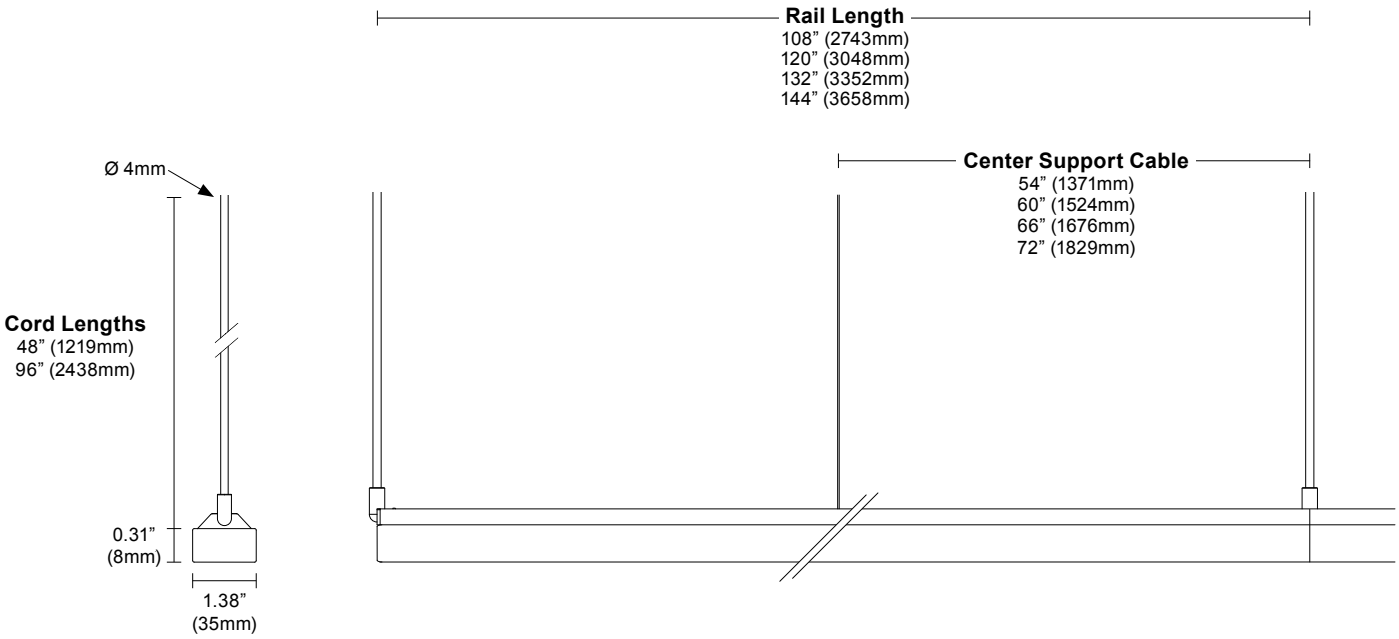


Layout



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

Dimensions



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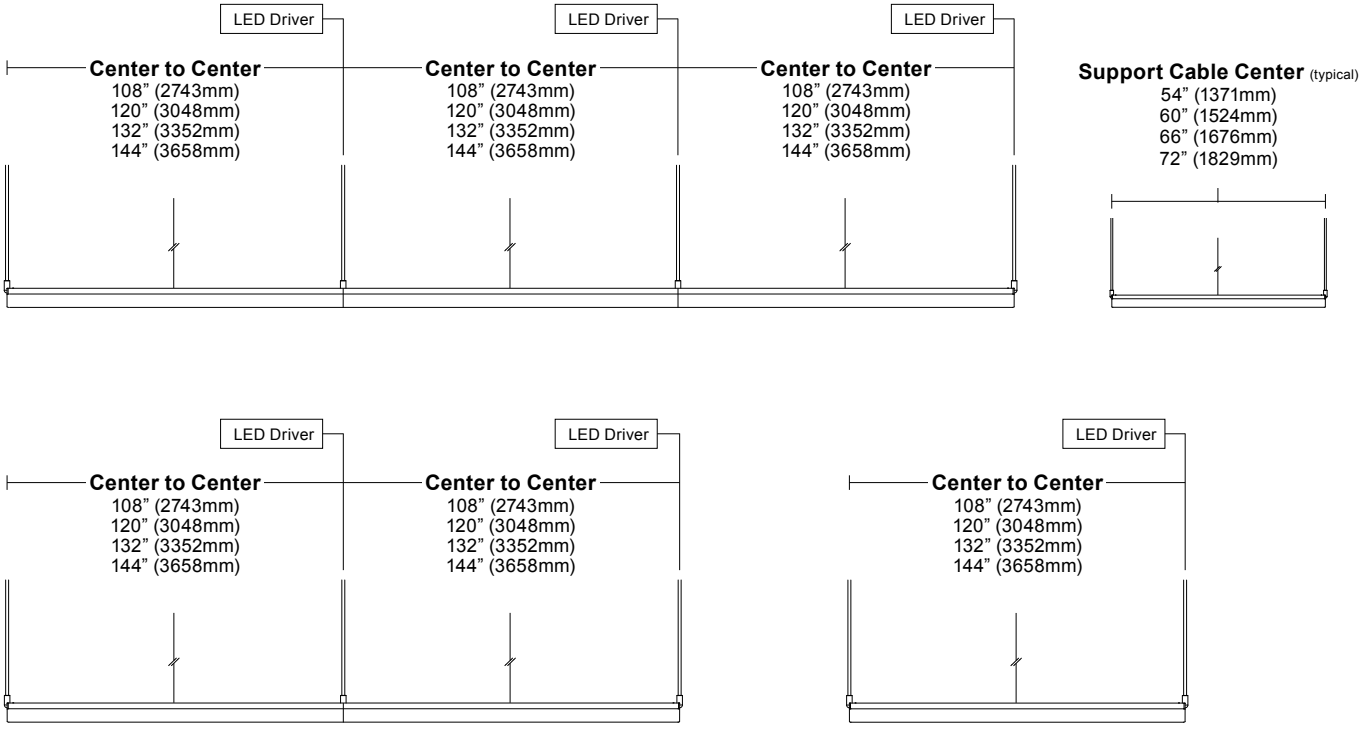
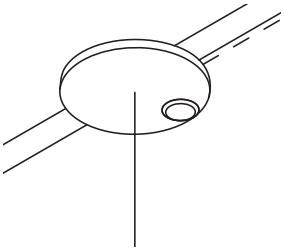


Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) ***See Guide*** *for details.*

vodeCONNECT Sensors

Canopy with integrated sensor

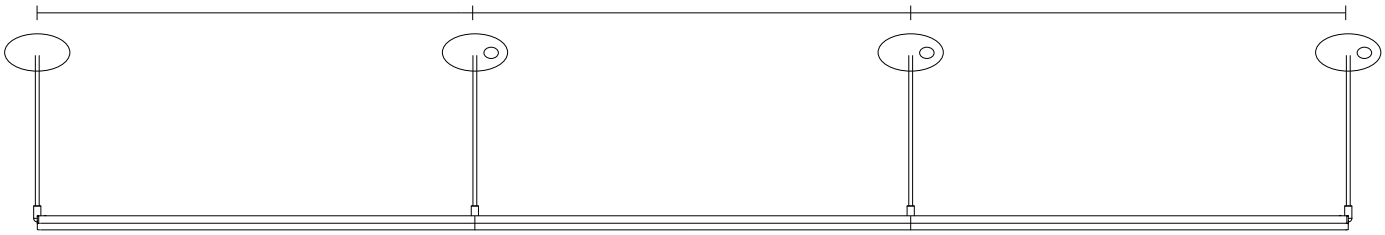


Sensor partners

LUTRON legrand®

Integrated canopy sensor layout [1]

*1 sensor per fixture. See **vodeCONNECT brochure** for more details.*
NOTES: 1. Available with Large Round Canopy only.



Compatible sensors

Lutron Athena

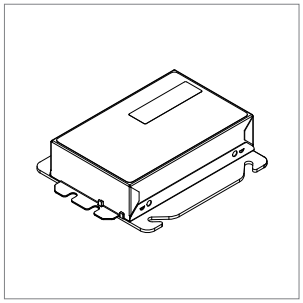
Legrand Wattstopper

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

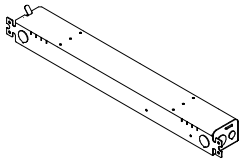
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult ***Power Guide*** to determine which type you will receive.

Remote Brick Power Housing



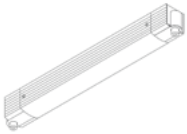
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in^3 (J-Box not provided).
See ***Tech Sheet*** for details.

Remote Linear Power Housing



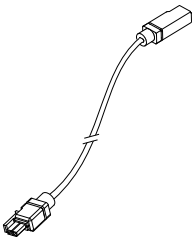
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies.
See ***Tech Sheet*** for details.

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

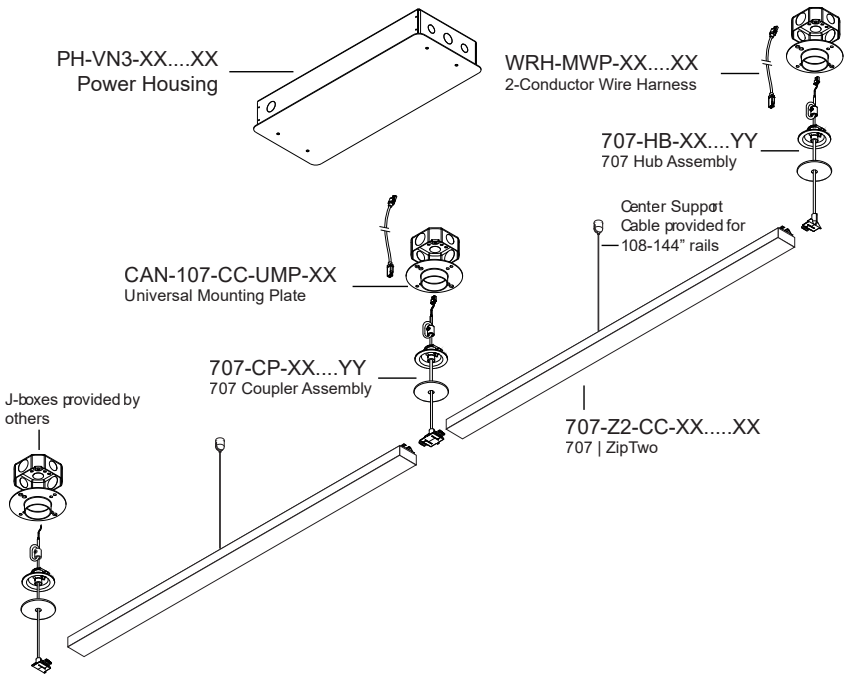


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m).
See ***Tech Sheet*** for details.

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.

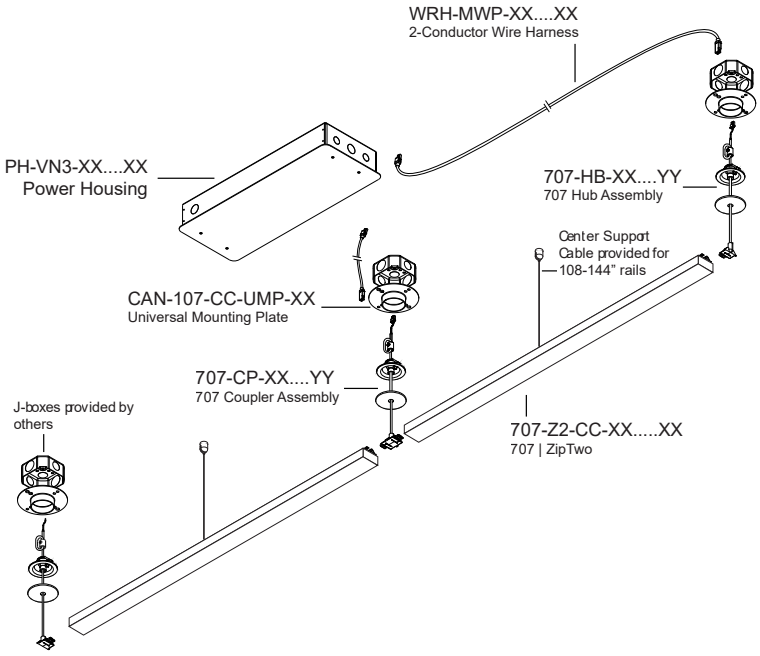


Note: Drawings not to scale, for reference only.

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

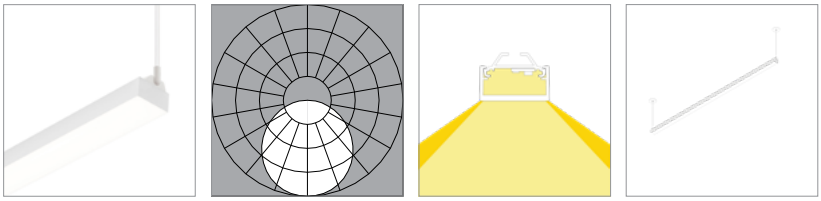
Black Rail, Black Canopy/Integral Power, Black Cable

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

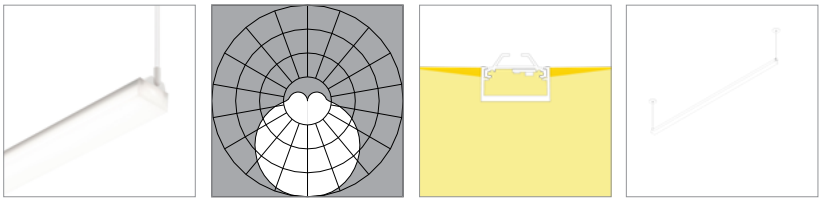
90 CRI (90min., 96 avg.)

Low Output (LO)	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

Standard Output (SO)	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

High Output (HO)	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.)

Low Output (LO)	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

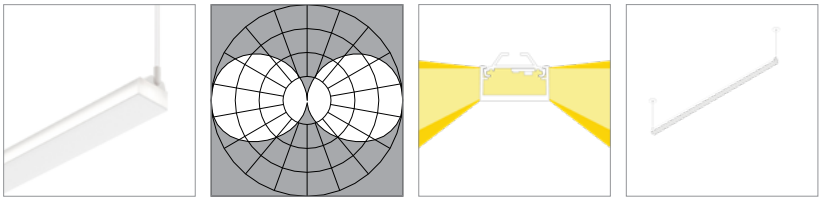
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	48	50	51	52
Lumens per foot (305mm)	314	324	331	334
Watts per foot (305mm)	6.6	6.6	6.6	6.6

High Output (HO)	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

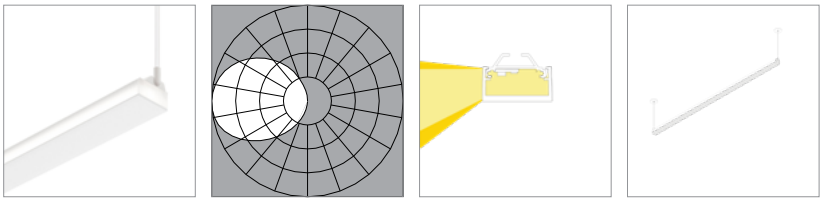
90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
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

Standard Output (SO)	2700K	3000K	3500K	4000K
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

High Output (HO)	2700K	3000K	3500K	4000K
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.)

Low Output (LO)	2700K	3000K	3500K	4000K
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

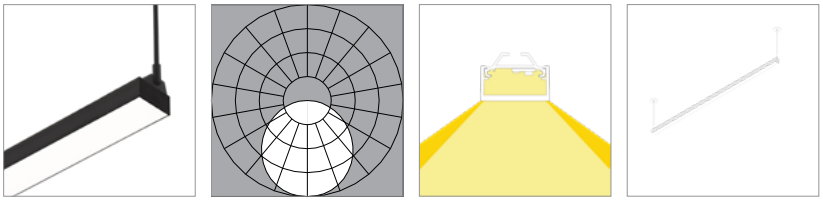
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	38	39	40	40
Lumens per foot (305mm)	244	251	256	259
Watts per foot (305mm)	6.6	6.6	6.6	6.6

High Output (HO)	2700K	3000K	3500K	4000K
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

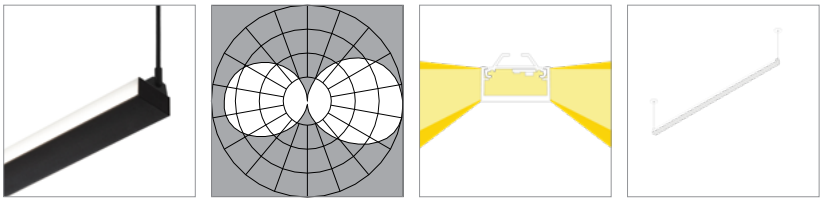
90 CRI (90min., 96 avg.)

Low Output (LO)	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

Standard Output (SO)	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

High Output (HO)	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.)

Low Output (LO)	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

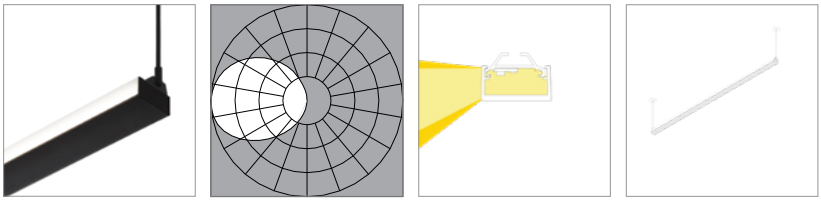
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	50	52	53	53
Lumens per foot (305mm)	324	334	341	344
Watts per foot (305mm)	6.6	6.6	6.6	6.6

High Output (HO)	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.)

Low Output (LO)	2700K	3000K	3500K	4000K
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

Standard Output (SO)	2700K	3000K	3500K	4000K
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

High Output (HO)	2700K	3000K	3500K	4000K
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

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