Spec Guide

ZipTwo | Square 3535 | Ceiling Cable | 707

Direct lighting for open office and ambient applications.

Red List Approved
Declare.

Square 3535, Diffuse, white

Benefits & Features

Low Profile Design
Square profile. 1.38" (35mm) x 1.42" (36mm).
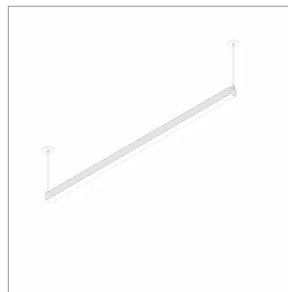
Superior Light Quality & Performance
Output up to 1516 lm/ft (HO), 154 lm/W (HO). 90 static, 90 CRI RGBW, & 90 CRI tunable white 2200K - 5000K. Custom ranges available upon request.

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) [4]

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

S5 Square 3535, Critical Edge
S6 Square 3535, Diffuse
S9 Square 3535, Side Diffuse
SA Square 3535, Single Side Diffuse

Sensors [3]

0 None
WSC Canopy with integrated Legrand Wattstopper sensor
LAC Canopy with integrated Lutron Athena sensor
ZZ Other (please specify)

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] *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.*

[4] *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***.*

▶▶	

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

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 3535, Critical Edge

Square 3535, Critical Edge

Square 3535, Diffuse

Sustainability & Certifications

DECLARE

International Living Future Institute (ILFI)

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   % 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
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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$_2$e): 36.89*

*__Note__: Embodied Carbon, expressed in kilograms of CO$_2$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** for confirmation regarding compliance for your specific project.

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 2.11" (54mm) 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	0.35 lbs per foot (0.16 kg per 305mm) Power supply and housing not included.

Materials

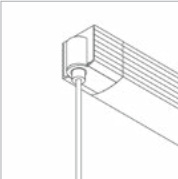|	
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Suspension Cable	Ø4mm, 22/4 AWG, TPE jacket, FEP-insulated, Red List Approved.
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910,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

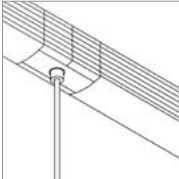**Remote Power**

Small Round
Canopy
Ø2.5" (51mm)

Center Support Cable
108" - 144" Rails Only

Center Support Cable for mounting to T-Bar tile available.
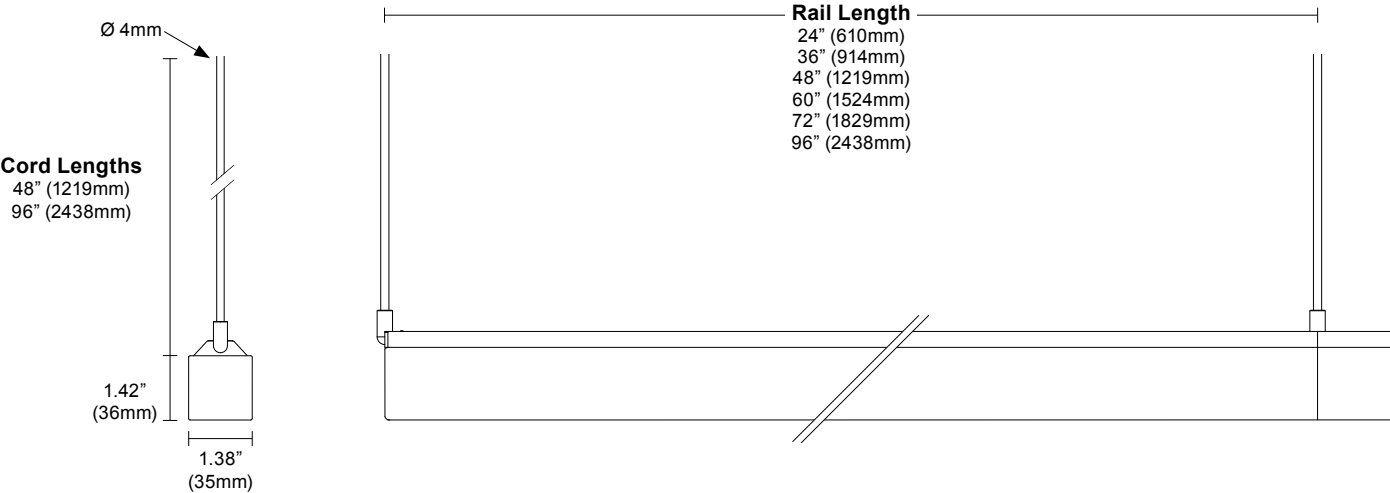
Integral Power (24"-72")
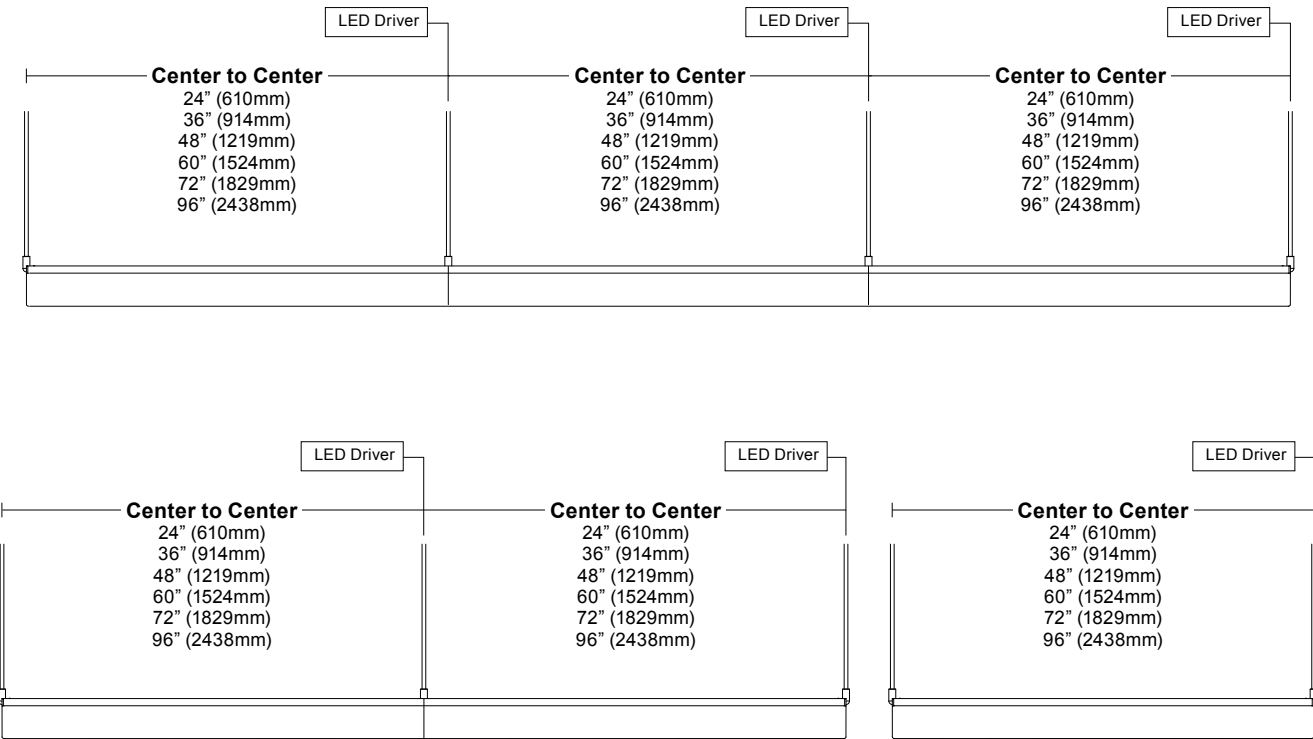

Integral Power
(end)
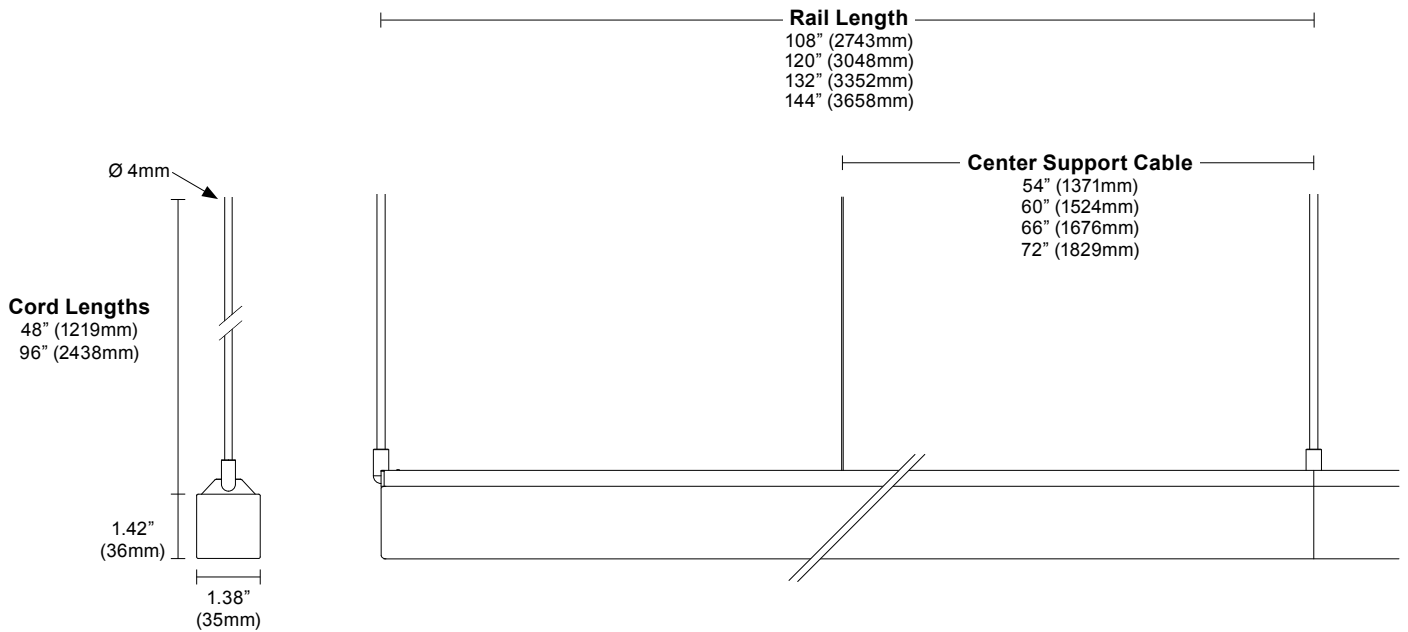*h 1.8" (46mm)
w 1.7" (43mm)*
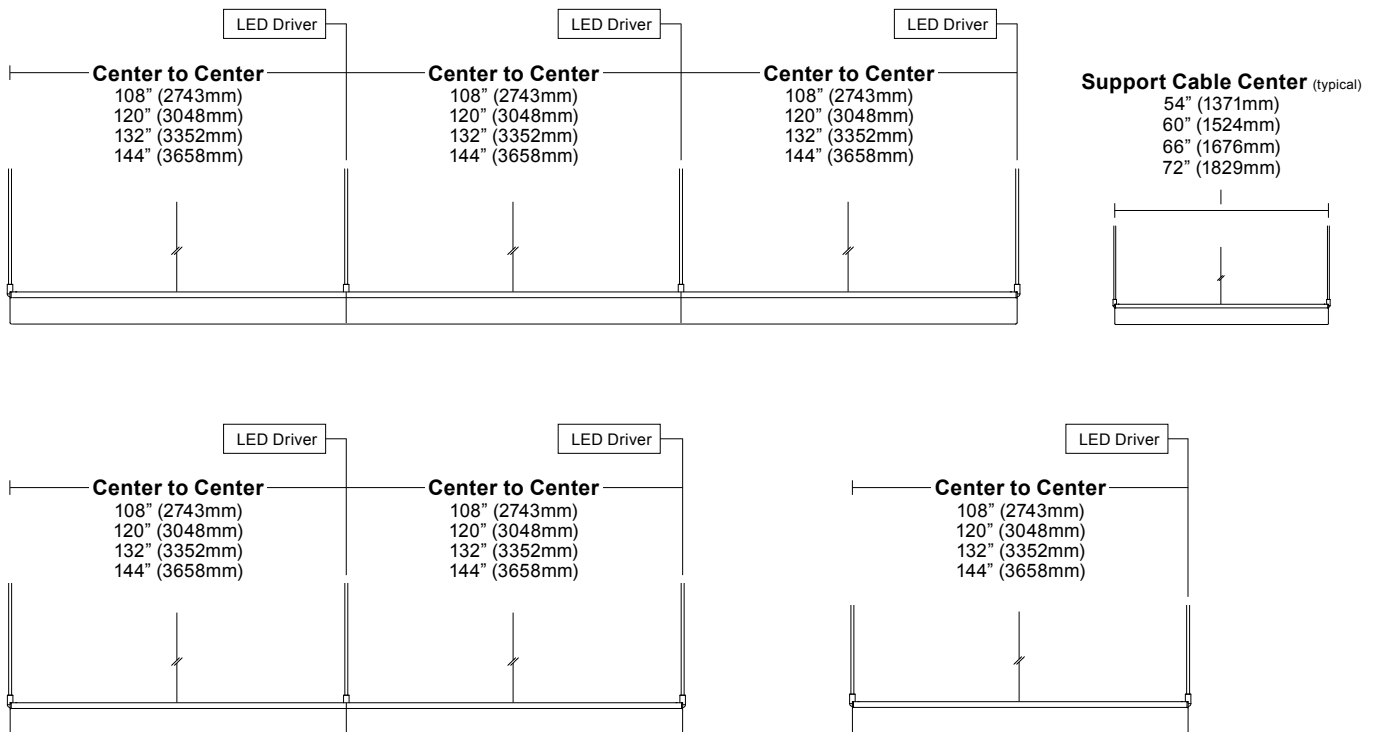

Integral Power
(joint)

Dimensions

Ø 4mm

Cord Lengths
48" (1219mm)
96" (2438mm)

1.42"
(36mm)

1.38"
(35mm)

Rail Length
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

Layout

LED Driver

LED Driver

LED Driver

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

Center to Center
24" (610mm)
36" (914mm)
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LED Driver

LED Driver

LED Driver

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

Center to Center
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)

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

Dimensions

Rail Length
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

Center Support Cable
54" (1371mm)
60" (1524mm)
66" (1676mm)
72" (1829mm)

Ø 4mm

Cord Lengths
48" (1219mm)
96" (2438mm)

1.42"
(36mm)

1.38"
(35mm)

Layout

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

Support Cable Center (typical)
54" (1371mm)
60" (1524mm)
66" (1676mm)
72" (1829mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

LED Driver

Center to Center
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

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

vodeCONNECT Sensors

Canopy with integrated sensor
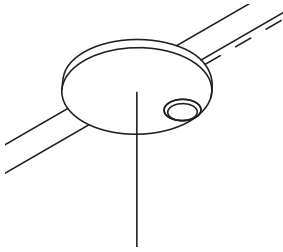
Sensor partners

Integrated canopy sensor layout [1]

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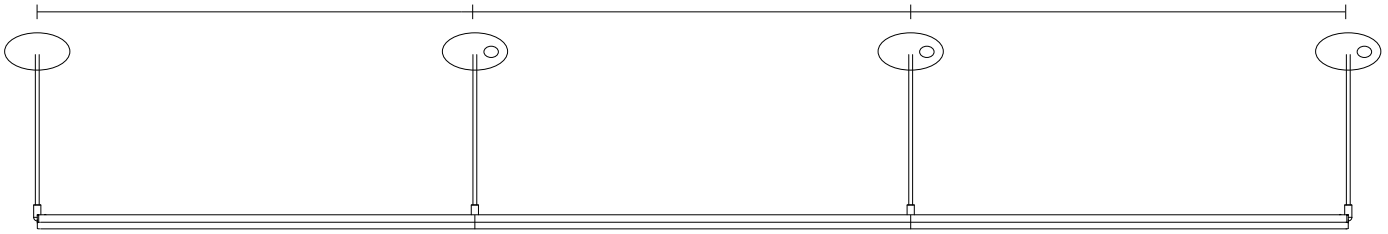
Compatible sensors

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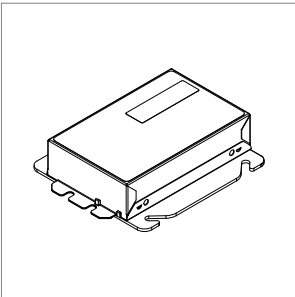
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided).
See **Tech Sheet** for details.

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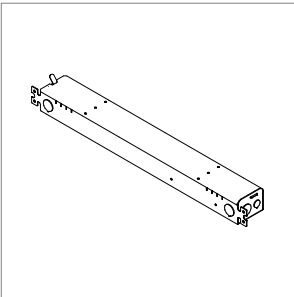
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies.
See **Tech Sheet** for details.

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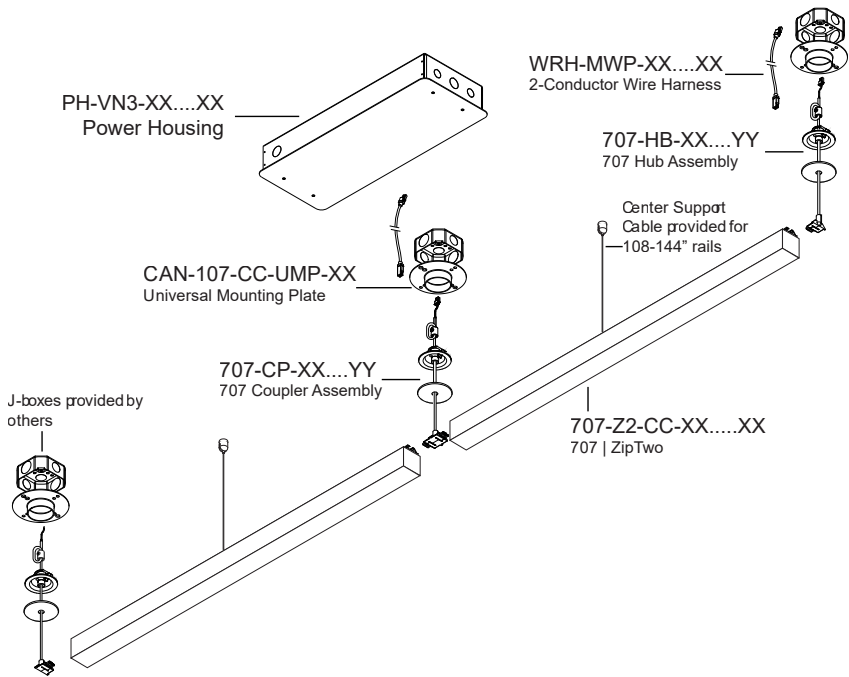
Wire Harness
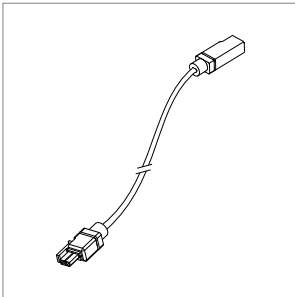
Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m).
See **Tech Sheet** for details.

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.

WRH-MWP-XX....XX
2-Conductor Wire Harness

PH-VN3-XX....XX
Power Housing

707-HB-XX....YY
707 Hub Assembly

Center Support
Cable provided for
108-144" rails

CAN-107-CC-UMP-XX
Universal Mounting Plate

707-CP-XX....YY
707 Coupler Assembly

707-Z2-CC-XX.....XX
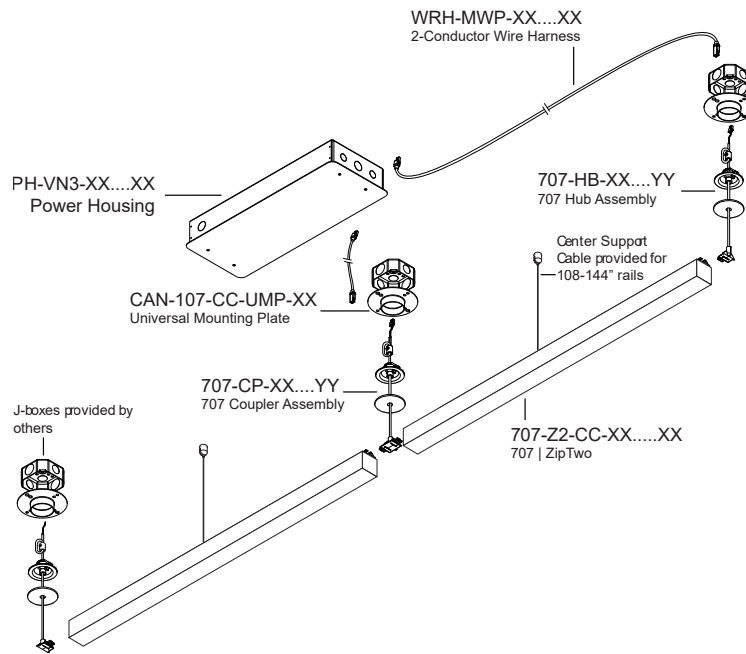707 | ZipTwo

J-boxes provided by others

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.

WRH-MWP-XX....XX
2-Conductor Wire Harness

PH-VN3-XX....XX
Power Housing

707-HB-XX....YY
707 Hub Assembly

Center Support Cable provided for 108-144" rails

CAN-107-CC-UMP-XX
Universal Mounting Plate

707-CP-XX....YY
707 Coupler Assembly

707-Z2-CC-XX.....XX
707 | ZipTwo

J-boxes provided by others

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 3535, Critical Edge (S5)
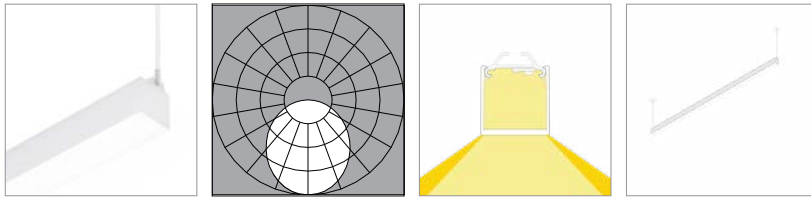
L90 >100,000 hours

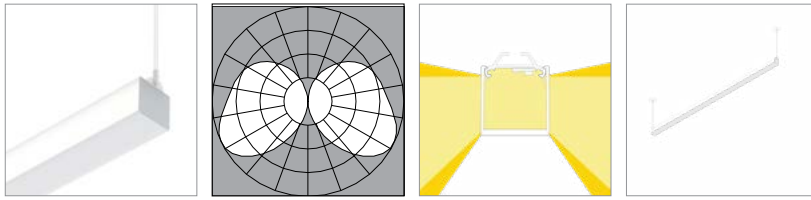|	**90 CRI** (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	55	57	58	58
Lumens per foot (305mm)	203	209	214	216
Watts per foot (305mm)	3.8	3.8	3.8	3.8
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	63	65	66	67
Lumens per foot (305mm)	406	419	427	432
Watts per foot (305mm)	6.6	6.6	6.6	6.6
High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	62	64	65	66
Lumens per foot (305mm)	609	628	641	647
Watts per foot (305mm)	9.9	9.9	9.9	9.9

Square 3535, Diffuse (S6)
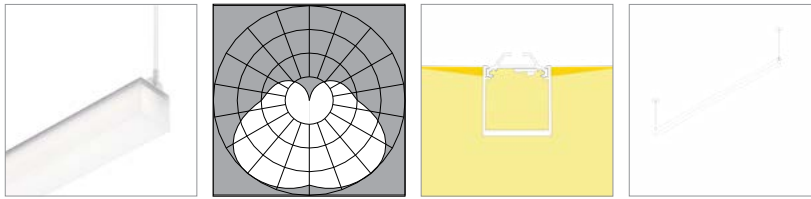
L90 >100,000 hours

	90 CRI (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	110	113	115	117
Lumens per foot (305mm)	406	419	428	432
Watts per foot (305mm)	3.8	3.8	3.8	3.8
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	125	129	132	133
Lumens per foot (305mm)	813	838	856	864
Watts per foot (305mm)	6.6	6.6	6.6	6.6
High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	124	128	130	132
Lumens per foot (305mm)	1219	1258	1283	1296
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 3535, Side Diffuse (S9)
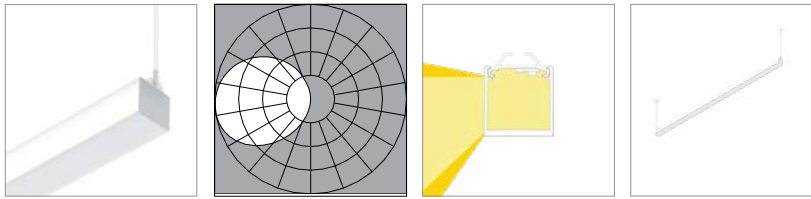

L90 >100,000 hours

	90 CRI (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	77	78	79
Lumens per foot (305mm)	275	284	290	292
Watts per foot (305mm)	3.8	3.8	3.8	3.8
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	85	87	89	90
Lumens per foot (305mm)	550	567	579	585
Watts per foot (305mm)	6.6	6.6	6.6	6.6
High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	84	87	88	89
Lumens per foot (305mm)	825	851	869	877
Watts per foot (305mm)	9.9	9.9	9.9	9.9

Square 3535, Single Side Diffuse (SA)

L90 >100,000 hours

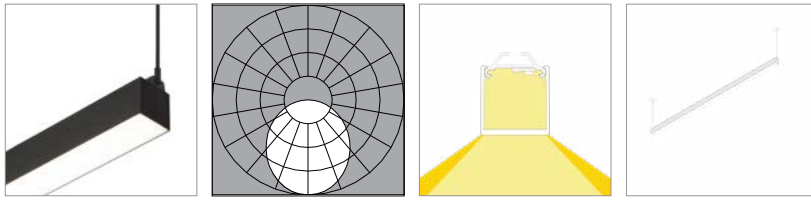|	**90 CRI** (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	67	69	71	72
Lumens per foot (305mm)	249	257	262	264
Watts per foot (305mm)	3.8	3.8	3.8	3.8
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	77	79	81	82
Lumens per foot (305mm)	497	513	524	529
Watts per foot (305mm)	6.6	6.6	6.6	6.6
High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	76	78	80	81
Lumens per foot (305mm)	746	770	785	793
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 3535, Critical Edge (S5), black finish (S5-BL)
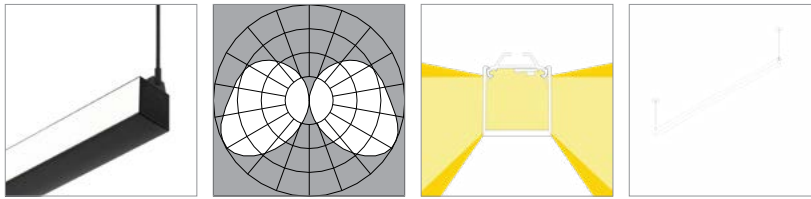

L90 >100,000 hours

Low Output (LO)	90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	65	67	69	69
Lumens per foot (305mm)	241	248	253	256
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)	482	497	507	512
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	77	78
Lumens per foot (305mm)	722	745	760	768
Watts per foot (305mm)	9.9	9.9	9.9	9.9

Square 3535, Side Diffuse (S9), black finish (S9-BL)

L90 >100,000 hours

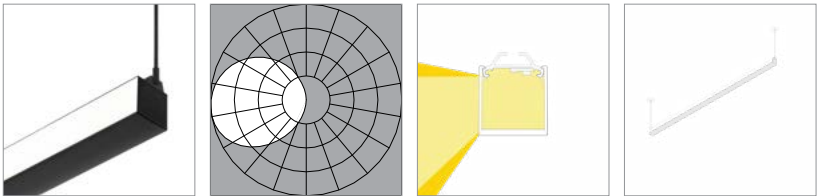| Low Output (LO)	90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	81	84	85	86
Lumens per foot (305mm)	300	310	316	319
Watts per foot (305mm)	3.8	3.8	3.8	3.8
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	93	95	97	98
Lumens per foot (305mm)	601	620	632	639
Watts per foot (305mm)	6.6	6.6	6.6	6.6
High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	92	94	96	97
Lumens per foot (305mm)	901	929	948	958
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 3535, Single Side Diffuse (SA), black finsh (SA-BL)

L90 >100,000 hours

	90 CRI (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	64	66	67	68
Lumens per foot (305mm)	235	242	247	250
Watts per foot (305mm)	3.8	3.8	3.8	3.8
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	72	75	76	77
Lumens per foot (305mm)	470	485	495	499
Watts per foot (305mm)	6.6	6.6	6.6	6.6
High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	72	74	76	76
Lumens per foot (305mm)	705	727	742	749
Watts per foot (305mm)	9.9	9.9	9.9	9.9