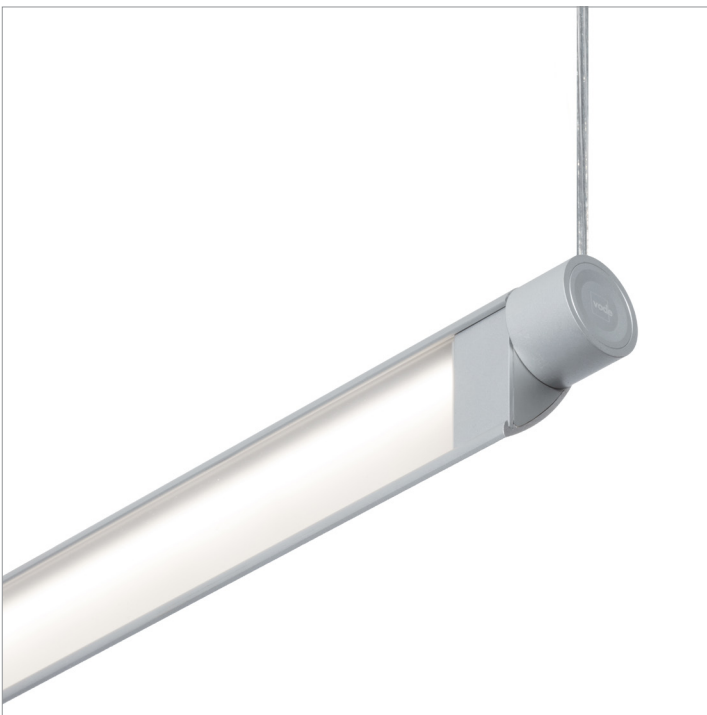


Spec Guide

WingRail | Ceiling Cable | 107



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



WingRail: direct or indirect, infinite rotation.

Benefits & Features

Minimal Profile, Robust Design

Asymmetric profile, 1.14" (29mm) x 2.12" (54mm).

Superior Light Quality & Performance

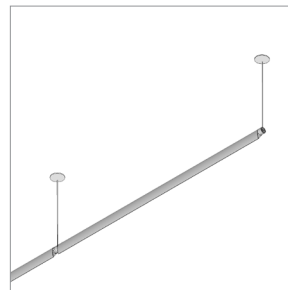
Output up to 1376 lm/ft (4516 lm/m) (HO), 121 lm/W (SO). 80 or 90 CRI & tunable white (2200K-5000K) available.

Adaptive Power

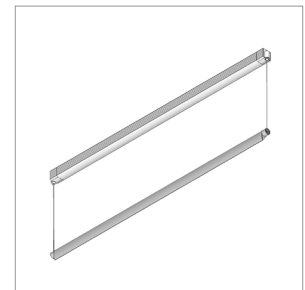
Full range dimming power for all protocols. Integral or remote power available.

Better Optics & Beam Control Options

Asymmetric distribution. White or black baffle, EdgeSoft™ lens or diffuse lens and narrow optics available. Directional control with infinite rotation, angle gauge and lock.



Small Round Canopy,
Remote Power



Integral Power

Build Your Specification

| | | | | | |
|--------|----|--|--|----|---|
| 107-WG | 01 | | | CC | » |
|--------|----|--|--|----|---|

| | | | | | |
|--|---|---|---|-------------------------------------|--|
| System & Rail Type 107-WG WingRail | Single/Double Rail 01 Single Rail | System Length Specify overall system length in ft/in or M/mm. <i>Corner and Shapes Available</i> See Guide for details. | Rail Length 24 24" (610mm) 36 36" (914mm) 48 48" (1219mm) 60 60" (1524mm) 72 72" (1829mm) 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 | Cable Length <i>Field adjustable.</i> 48 48" cable (1219mm) 96 96" cable (2438mm) ZZ Other (please specify) |
|--|---|---|---|-------------------------------------|--|

| | | | | | |
|--|--|--|--|--|---|
| | | | | | » |
|--|--|--|--|--|---|

| | | | |
|---|---|--|---|
| Power Location Integral Power IP Integral Power Remote Power Specify mounting and harness length code example: 2R25, 4R25...etc. | 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) Optimized Power Add 'O' to power type example: AEO, ATO...etc. ¹ VodeNODE Add 'N' to power type for Flexible 1 to 1 Power Add 'ON' to power type for Optimized Power example: AEN, ATN, AEON, ADON...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) |
| 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 | | |

| | | | | | |
|---|--|--|--|--|--|
| » | | | | | |
|---|--|--|--|--|--|

| | | | | |
|--|--|--|--|--|
| LED Type Z Zipper Board B Button Board ³ | 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 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. | Optics Zipper Board (Z) WB White Baffle with EdgeSoft™ BB Black Baffle with EdgeSoft C1 Clear with EdgeSoft D1 Diffuse Button Board (B) 19 19° x 48° Oval 36 36° Medium | Sensors ⁷ 0 None ENC Canopy with integrated Enlighted Micro Sensor ⁶ WSC Canopy with integrated Legrand Wattstopper sensor ⁶ LAC Canopy with integrated Lutron Athena sensor ⁶ 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 Button Board (B) is not available in 90 CRI.
- ⁴ 9' 18/3 Cord and Plug only available with Remote Power (RP).
- ⁵ Chicago Plenum not applicable for wall arm mounting.
- ⁶ Rotating fixture as an uplight will interfere with sensor operation.
- ⁷ 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](#).

| | |
|---|--|
| » | |
|---|--|

| | |
|---|--|
| Finish AL Clear Anodized WH White Powder Coat BL Black Anodized ZZ Custom finishes available. Please specify RAL # | Options 0 None 9 9' 18/3 Cord and Plug CP Chicago Plenum LLLC Luminaire Level Lighting Controls |
|---|--|

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

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.

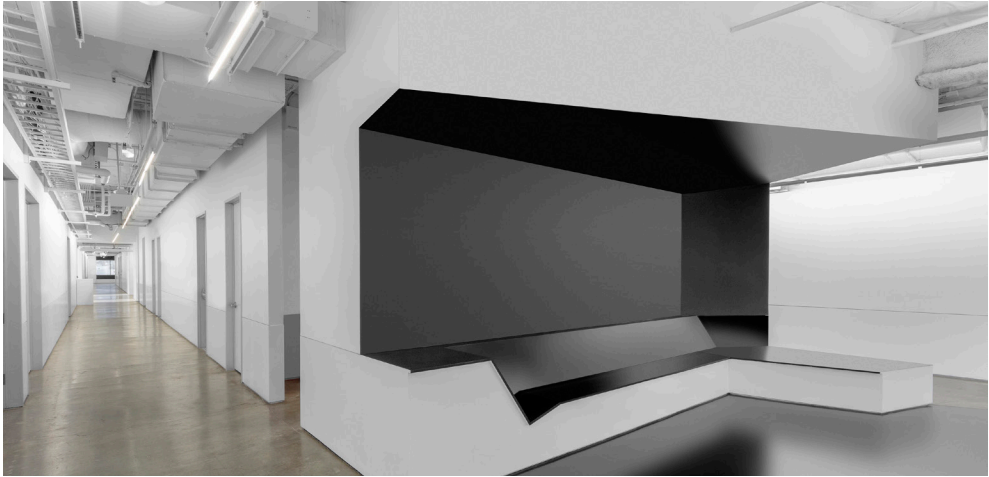


Applications

Interior Corporate, Educational and Retail



JCP Architects, Bellevue, WA




ArtCenter College of Design, Arroyo Parkway, Pasadena, CA

Declare Label

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

See [International Living Future Institute](https://www.livingfuture.org) website for details.



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:

Anodized Aluminum (6063-T5 Alloy); Steel; Small Electrical Component (RoHS)¹; Copper; **Fluorinated Ethylene Propylene (masterbatch)**²; 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

¹LBC Temp Exception RL-002 - Small Electrical Components
²LBC Temp Exception RL-023 - Wire Sheathing Subject to NFPA 90A, NFPA 262, UL® 910

Living Building Challenge Criteria: Compliant

I-13 Red List:

| | |
|---|-----------------------------|
| <input type="checkbox"/> LBC Red List Free | % Disclosed: 100% at 100ppm |
| <input checked="" type="checkbox"/> LBC Red List Approved | VOC Content: Not Applicable |
| <input type="checkbox"/> Declared | |

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

VDE-0001
 EXP. 01 JAN 2025
 Original Issue Date: 2018

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
 INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](https://www.living-future.org/declare)



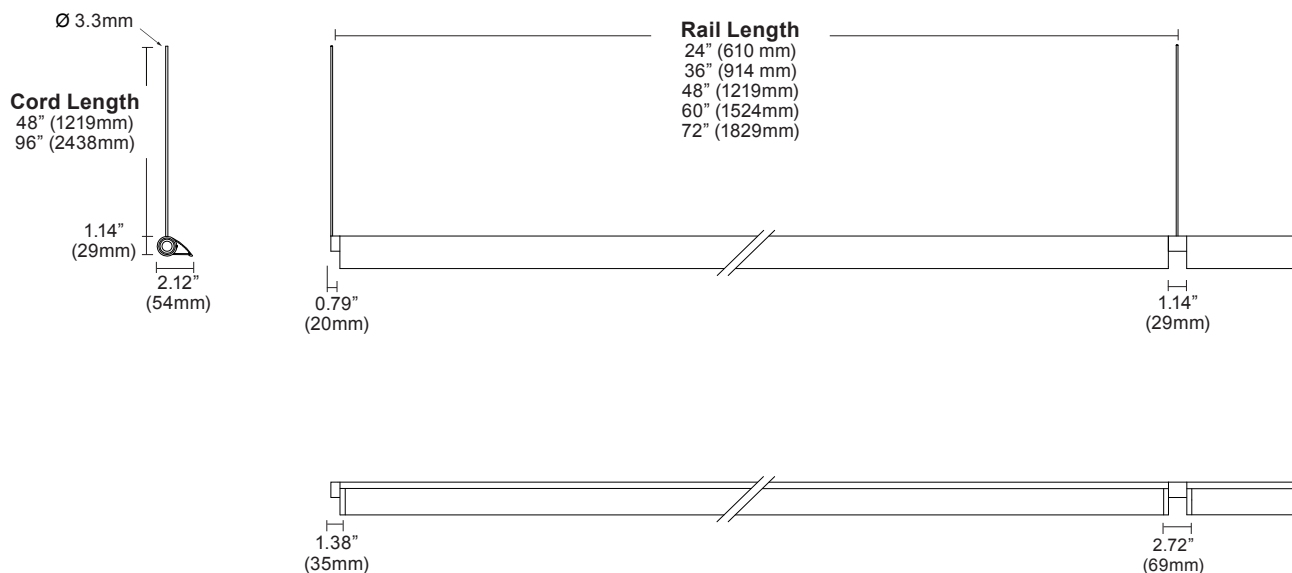
Structure

| | |
|-----------------------|--|
| Rail Lengths | 24" (610mm) - 72" (1829mm). Modified lengths available. See Rail Length Chart or more details. |
| Rail Dimensions | 1.14" (29mm) x 2.12" (54mm) x length. |
| Construction | Extruded and machined 6063 aluminum. |
| Mounting | Ceiling mount to jbox or integral power driver housing. |
| Cable Length | 48" (1219mm) 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 | 0.74lbs per ft (0.34kg per 305mm) Power supply and housing not included. |

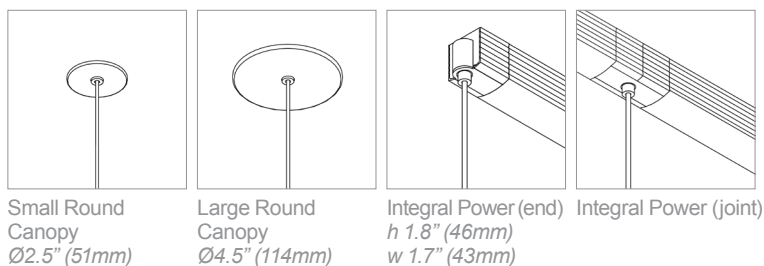
Materials

| | |
|-----------------------------------|---|
| LED Board Construction | Aluminum core PCB, black LCP connectors, RoHS compliant. |
| Lens | High-impact extruded acrylic glass (PMMA). |
| Baffle | 6063 aluminum, RoHS compliant painted finish. |
| Suspension Cable | Ø3.3mm, 22/2 AWG, PVC or TPE and RoHS compliant (<i>PVC free in 2020</i>). |
| Power Cable | Ø4mm, 18/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910 (<i>PVC free in 2020</i>). |
| Cable Connectors | Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant (<i>PVC free in 2020</i>). |
| Remote Linear Power Housing (RLP) | 20.7" x 2.375" x 2.53", 0.054" formed Galvanized Steel. |
| Remote Brick Power Housing (RBP) | 4.32" x 3.37" x .078" Galvanized Steel mounting plate. |

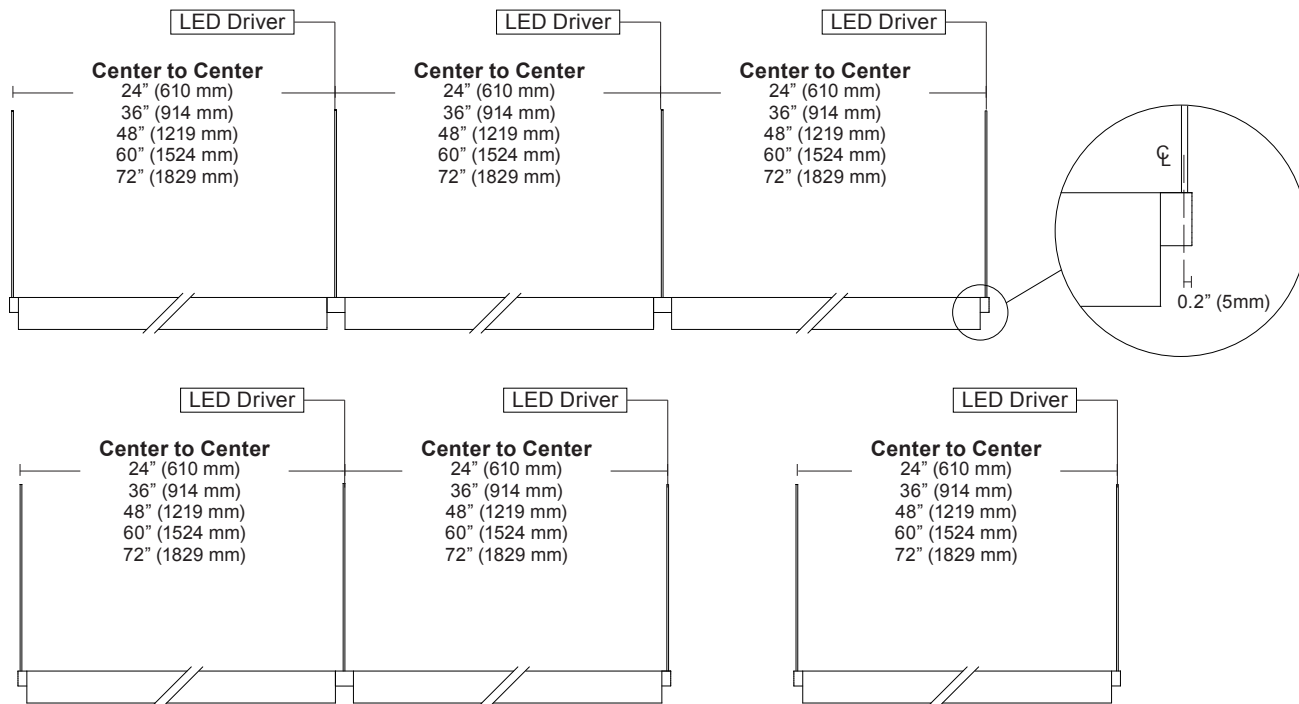
Dimensions



Mounting Options



Layout



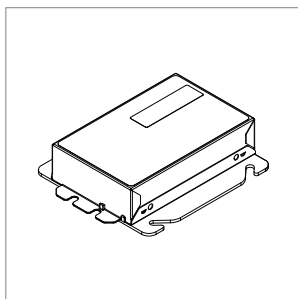
Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) [See Guide](#) for details.

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

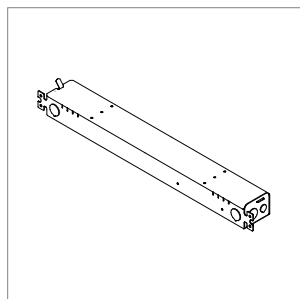
Vode power locations fall into two categories: integral and remote. Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive. Integral power is locating the power supply into the lighting fixture or mounting.

Remote Brick Power Housing



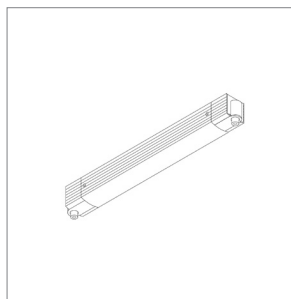
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

Remote Linear Power Housing



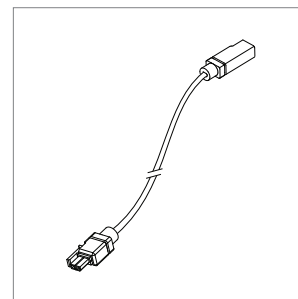
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

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.

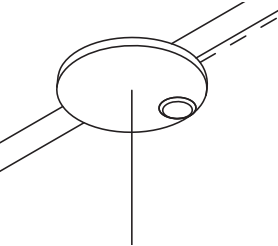
Wire Harness



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.

vodeCONNECT Sensors

Canopy with integrated sensor



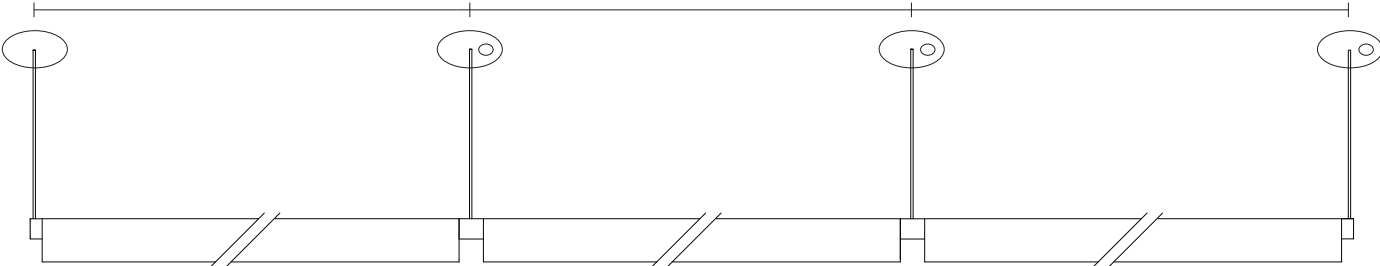
Sensor partners



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

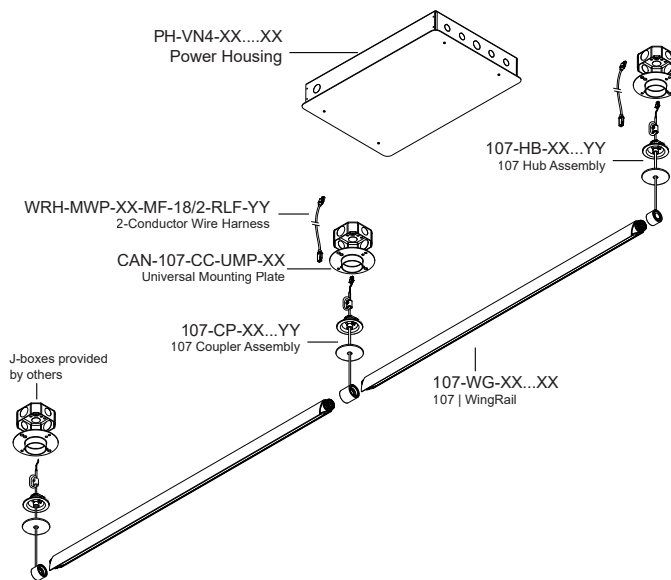


Enlighted Micro Sensor

Power and Controls

Flexible 1 to 1 power

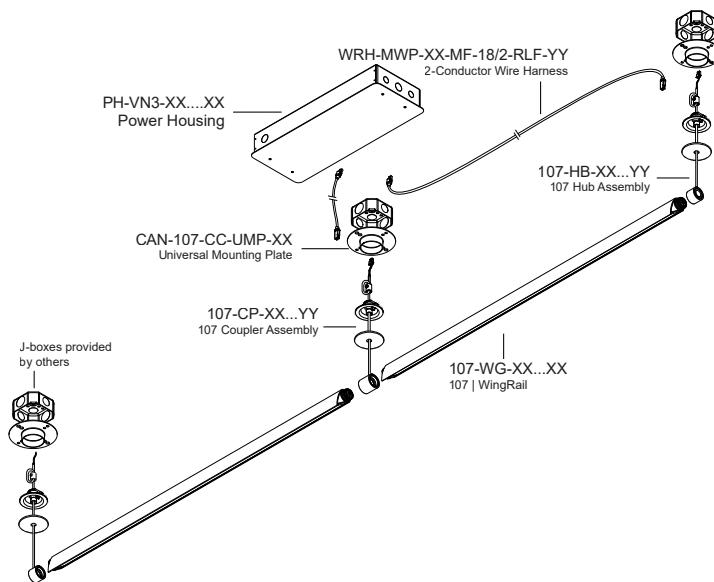
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#) to determine which type you will receive.



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.



Note: Drawings not to scale, for reference only.

Finish

Clear Anodized Finish



Clear Anodized Rail, White Canopy/
Clear Anodized Integral Power,
White Cable

White Powder Coat Finish



White Rail, White Canopy/Integral
Power, White Cable

Black Anodized Finish

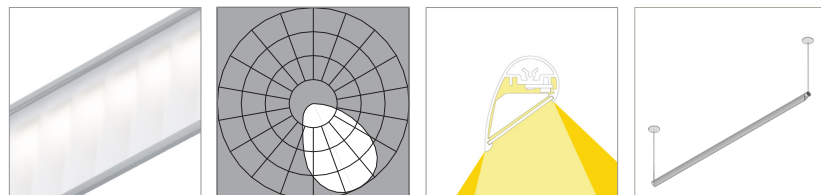


Black Rail, Black Canopy/Integral
Power, Black Cable

Performance | Zipper Board Optics

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

White Baffle with EdgeSoft(WB)



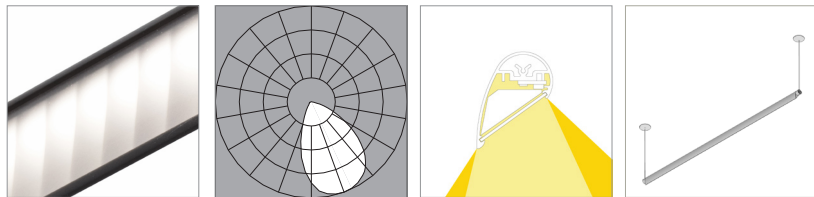
L80 >60,000 hours

| | 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 | 75 | 77 | 78 | 80 | 64 | 66 | 68 | 69 |
| Lumens per foot (305mm) | 277 | 285 | 291 | 297 | 239 | 246 | 251 | 256 |
| 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 | 92 | 95 | 97 | 99 | 80 | 82 | 84 | 85 |
| Lumens per foot (305mm) | 553 | 571 | 583 | 594 | 477 | 492 | 502 | 512 |
| Watts per foot (305mm) | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| High Output (HO) | | | | | | | | |
| Efficacy - Lumens per Watt | 86 | 89 | 90 | 92 | 74 | 77 | 78 | 80 |
| Lumens per foot (305mm) | 1052 | 1085 | 1107 | 1129 | 907 | 935 | 954 | 973 |
| Watts per foot (305mm) | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |

Performance | Zipper Board Optics

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

Black Baffle with EdgeSoft (BB)



L80 >60,000 hours

| Low Output (LO) | 80 CRI (80min., 84 avg.) | | | | 90 CRI (90min., 96 avg.) | | | |
|----------------------------|--------------------------|-------|-------|-------|--------------------------|-------|-------|-------|
| | 2700K | 3000K | 3500K | 4000K | 2700K | 3000K | 3500K | 4000K |
| Efficacy - Lumens per Watt | 46 | 48 | 48 | 49 | 40 | 41 | 42 | 43 |
| Lumens per foot (305mm) | 170 | 176 | 179 | 183 | 147 | 151 | 155 | 158 |
| Watts per foot (305mm) | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |

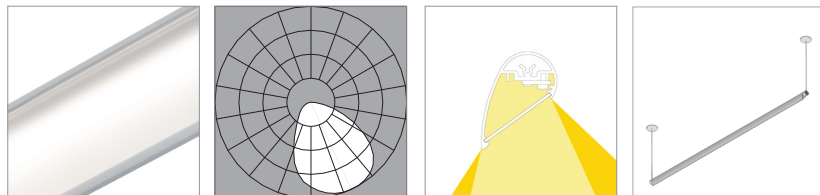
Standard Output (SO)

| | | | | | | | | |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Efficacy - Lumens per Watt | 57 | 59 | 60 | 61 | 49 | 51 | 52 | 53 |
| Lumens per foot (305mm) | 341 | 351 | 359 | 366 | 294 | 303 | 309 | 315 |
| Watts per foot (305mm) | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |

High Output (HO)

| | | | | | | | | |
|----------------------------|------|------|------|------|------|------|------|------|
| Efficacy - Lumens per Watt | 53 | 55 | 56 | 57 | 46 | 47 | 48 | 49 |
| Lumens per foot (305mm) | 647 | 668 | 681 | 695 | 558 | 576 | 587 | 599 |
| Watts per foot (305mm) | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |

Clear with EdgeSoft (C1)



L80 >60,000 hours

| Low Output (LO) | 80 CRI (80min., 84 avg.) | | | | 90 CRI (90min., 96 avg.) | | | |
|----------------------------|--------------------------|-------|-------|-------|--------------------------|-------|-------|-------|
| | 2700K | 3000K | 3500K | 4000K | 2700K | 3000K | 3500K | 4000K |
| Efficacy - Lumens per Watt | 91 | 94 | 96 | 97 | 78 | 81 | 82 | 84 |
| Lumens per foot (305mm) | 337 | 348 | 355 | 362 | 291 | 300 | 306 | 312 |
| 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 | 112 | 116 | 118 | 121 | 97 | 100 | 102 | 104 |
| Lumens per foot (305mm) | 675 | 696 | 710 | 724 | 582 | 600 | 612 | 624 |
| Watts per foot (305mm) | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |

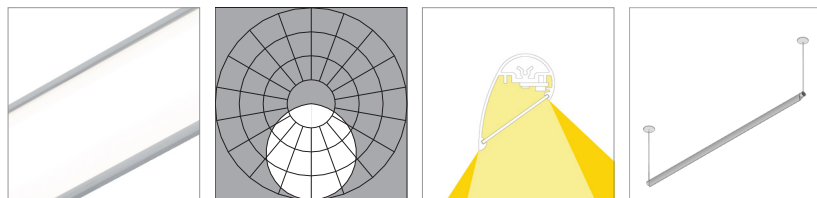
High Output (HO)

| | | | | | | | | |
|----------------------------|------|------|------|------|------|------|------|------|
| Efficacy - Lumens per Watt | 105 | 108 | 110 | 112 | 90 | 93 | 95 | 97 |
| Lumens per foot (305mm) | 1282 | 1322 | 1349 | 1376 | 1105 | 1140 | 1163 | 1187 |
| Watts per foot (305mm) | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |

Performance | Zipper Board Optics

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

Diffuse (D1)



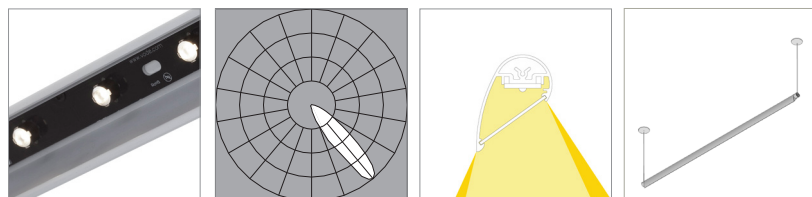
L80 is >60,000 hours

| | 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 | 65 | 67 | 69 | 70 | 56 | 58 | 59 | 61 |
| Lumens per foot (305mm) | 243 | 250 | 255 | 261 | 209 | 216 | 220 | 225 |
| 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 | 82 | 84 | 86 | 88 | 71 | 73 | 74 | 76 |
| Lumens per foot (305mm) | 489 | 505 | 515 | 525 | 442 | 435 | 444 | 453 |
| Watts per foot (305mm) | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| High Output (HO) | | | | | | | | |
| Efficacy - Lumens per Watt | 76 | 79 | 80 | 82 | 66 | 68 | 69 | 71 |
| Lumens per foot (305mm) | 934 | 964 | 984 | 1003 | 806 | 831 | 848 | 865 |
| Watts per foot (305mm) | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |

Performance | Button Board Optics

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

19° x 48° Oval (19)



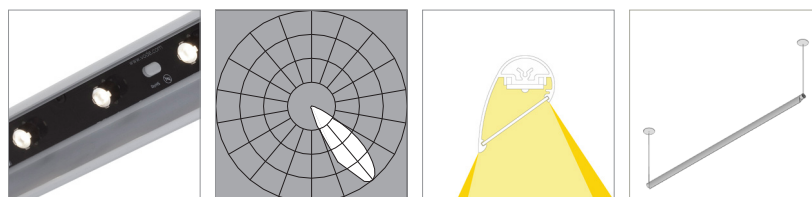
L80 >70,000 hours

| Standard Output (SO) | 80 CRI (80min., 84 avg.) | | | |
|----------------------------|--------------------------|-------|-------|-------|
| | 2700K | 3000K | 3500K | 4000K |
| Efficacy - Lumens per Watt | 57 | 59 | 62 | 64 |
| Lumens per foot (305mm) | 420 | 438 | 456 | 474 |
| Watts per foot (305mm) | 7.3 | 7.3 | 7.3 | 7.3 |

High Output (HO)

| | | | | |
|----------------------------|------|------|------|------|
| Efficacy - Lumens per Watt | 50 | 52 | 55 | 57 |
| Lumens per foot (305mm) | 636 | 662 | 690 | 717 |
| Watts per foot (305mm) | 12.6 | 12.6 | 12.6 | 12.6 |

36° Medium (36)



L80 >70,000 hours

| Standard Output (SO) | 80 CRI (80min., 84 avg.) | | | |
|----------------------------|--------------------------|-------|-------|-------|
| | 2700K | 3000K | 3500K | 4000K |
| Efficacy - Lumens per Watt | 64 | 67 | 70 | 73 |
| Lumens per foot (305mm) | 476 | 496 | 516 | 537 |
| Watts per foot (305mm) | 7.3 | 7.3 | 7.3 | 7.3 |

High Output (HO)

| | | | | |
|----------------------------|------|------|------|------|
| Efficacy - Lumens per Watt | 57 | 60 | 63 | 65 |
| Lumens per foot (305mm) | 724 | 754 | 786 | 817 |
| Watts per foot (305mm) | 12.6 | 12.6 | 12.6 | 12.6 |

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