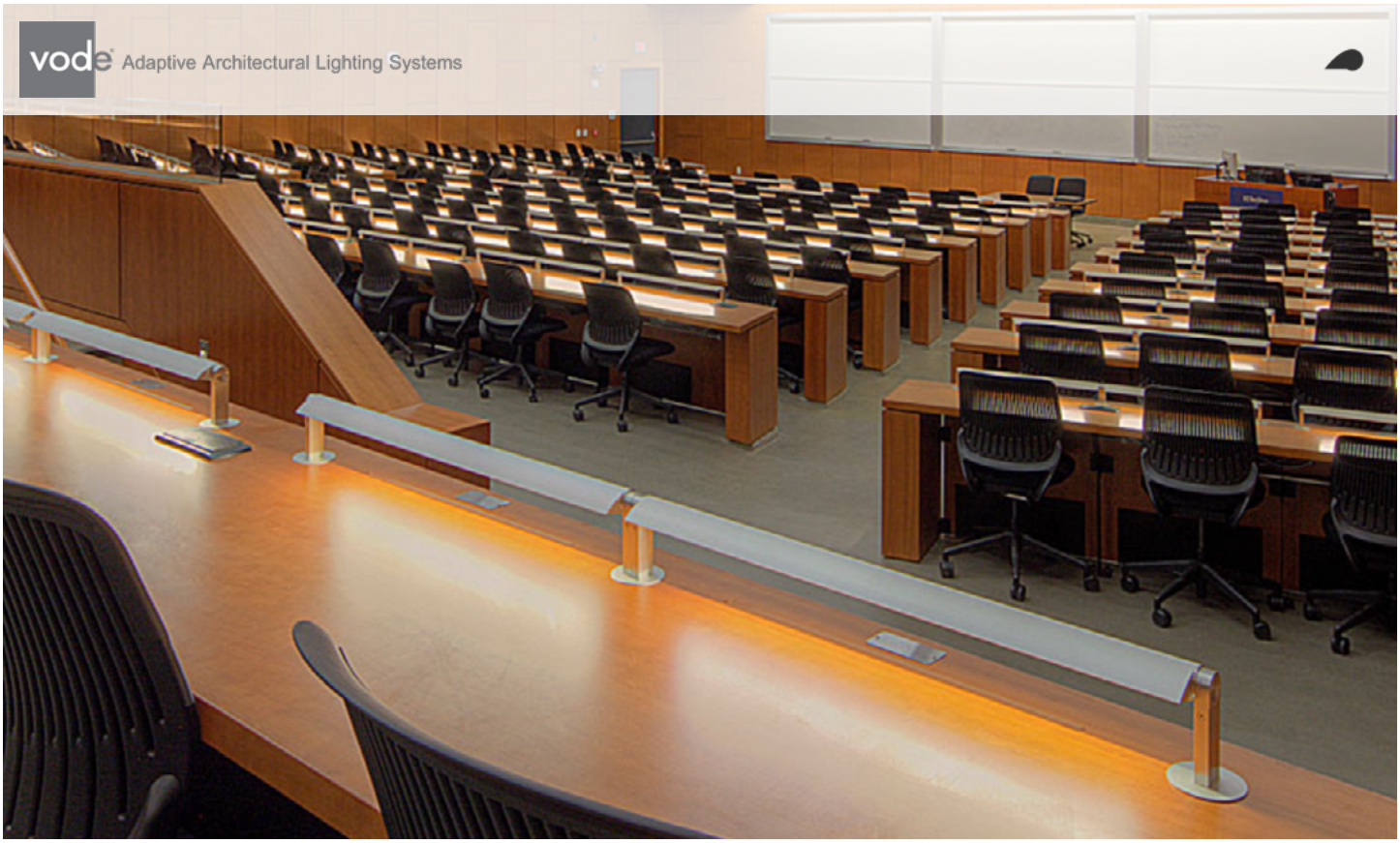



Spec Guide

# WingRail | Table Arm | 107

Red List Approved
Declare.

Task lighting for table, workstation, and carrel desk applications.


WingRail: direct or indirect, 370° rotation.

## Benefits & Features

### Minimal Profile, Robust Design
Asymmetric profile, 1.14 in x 2.12 in.

### Superior Light Quality & Performance
Output up to 1376 lm/ft (HO), 121 lm/W (HO). 90 CRI static & tunable white 2200K - 5000K. Custom ranges available upon request.

### High Performance Optics
Break through Batwing lens designed for excellent fixture to fixture spacing.

### Better Optics & Beam Control Options
Asymmetric distribution. White or black baffle, EdgeSoft™ lens or diffuse lens and narrow optics available. Directional control with 370° rotation, angle gauge and lock.

Arm Anchor®

Double Rail with Tee, Arm Anchor, Continuous System

# Build Your Specification

| 107-WG | | | | TA | |
|---|---|---|---|---|---|

### System & Rail Type
**107-WG** WingRail

### Single/Double Rail
**01** Single Rail
**03** Double Rail with 3” (76mm) Tee
**06** Double Rail with 6” (152mm) Tee
**12** Double Rail with 12” (305mm) Tee
**ZZ** Other (please specify)

### 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)
**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
**TA** Table Arm

### Arm Length
**18** 18” arm (457mm)
**ZZ** Other (please specify) [1]

---

### Power Location
Remote Power

Specify mounting and harness length code example: **2T25, 2T50**...etc.

#### Mounting Option
**2T** Arm Anchor

#### 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. [2]

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. [3]

**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
Zipper Board (Z)

**WB** White Baffle with EdgeSoft™
**BB** Black Baffle with EdgeSoft
**C1** Clear with Edge Softening
**D1** Diffuse

### Sensors
**0** None
**ZZ** Other *(specify requirements)*

---

### Finish
**AL** Clear Anodized
**WH** White Powder Coat
**BL** Black Anodized
**ZZ** Other (please specify)

### Options
**0** None
**1** On/Off Switch [4]
**9** 9’ 18/3 Cord and Plug
**CPP** Chicago Plenum Power

**NOTES & LIMITATIONS**

[1] *Arm lengths > 48” not recommended.*
[2] *Optimized Power is not available with Hi-lume 1% EcoSystem (AHO) Power Type.*
[3] *VodeNODE enclosure is not available with ELV 1% 2-wire (AH2) Power Type.*
[4] *One On/Off Switch per LED Driver.*
[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.*

*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

### Corporate, Educational, and Library

Saddleback College Library, Mission Viego, CA

Libbie Mill Library, Richmond, VA

Penn State University, Dickinson School of Law Library, University Park, PA

## 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

# 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***

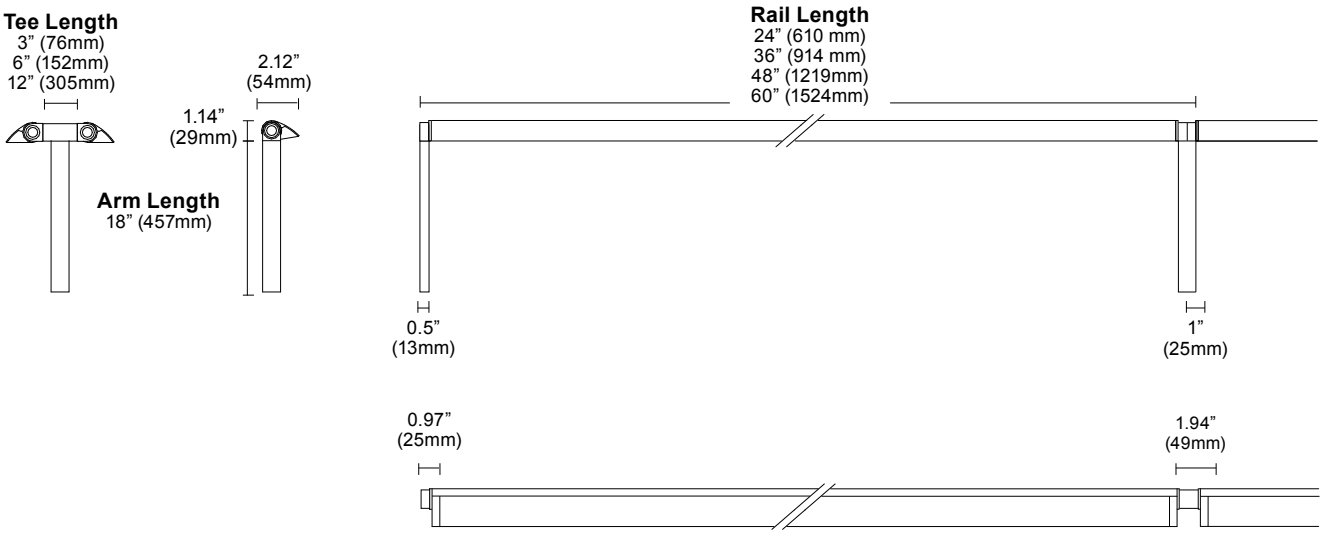
## Structure

| | |
|---|---|
| Rail Lengths | 24” (610mm) - 60” (1524mm). Modified lengths available. *See **Rail Length Chart** for more details.* |
| Rail Dimensions | 1.14” (29mm) x 2.12” (54mm) x length. |
| Construction | Extruded and machined 6063 aluminum. Clear anodized, black anodized, white painted and other finishes available. |
| Mounting | Table mount to Arm Anchor®. |
| Arm Length | 18” (457mm). Non-standard arm lengths available. Arm lengths > 48” (1219mm) not recommended. |
| 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. |
| Weight | 1.04 lbs per ft (0.47kg per 305mm). Power supply and housing not included. |

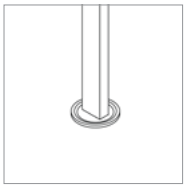
## Materials

| | |
|---|---|
| LED Board Construction | Aluminum core PCB, black LCP connectors, RoHS compliant. |
| Clear Lens, Diffuse Lens | High-impact extruded acrylic glass (PMMA). |
| Baffle | 6063 Aluminum, RoHS compliant painted finish. |
| Power Cable | Ø4mm, 18/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910 *(PVC free in 2020).* |
| Cable Connectors | Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant *(PVC free in 2020).* |
| 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. |

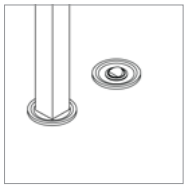
## Dimensions




## Mounting Options

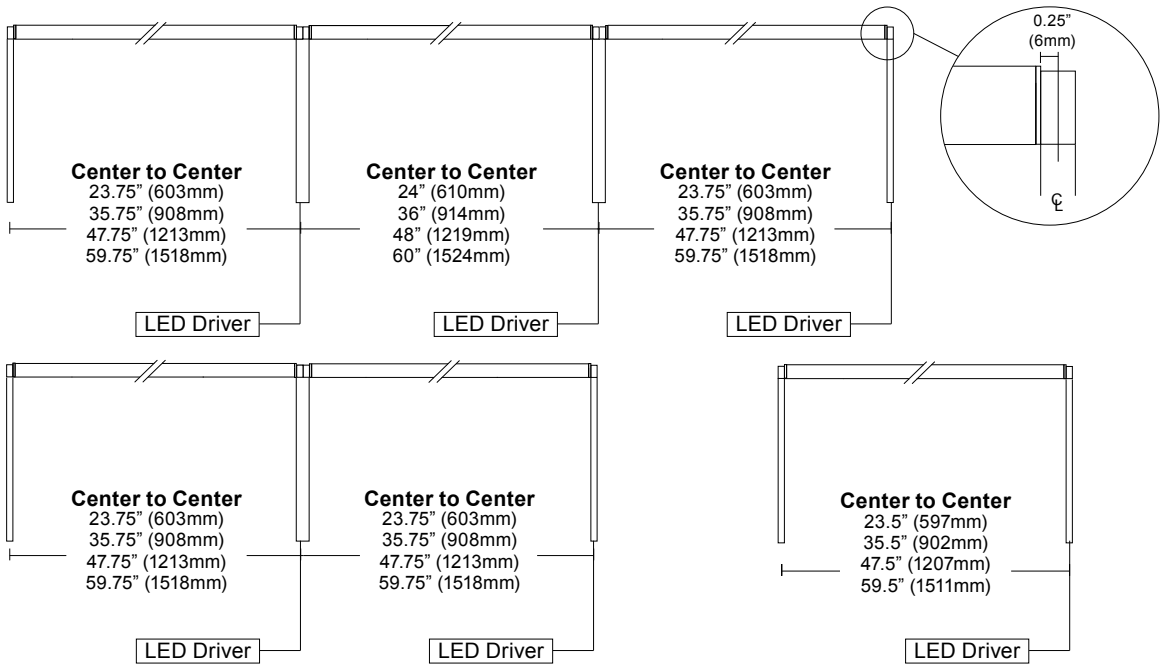


Arm Anchor®
*h0.1” (3mm)*
*Ø2” (51mm)*



On/Off Switch
(optional)

## Layout



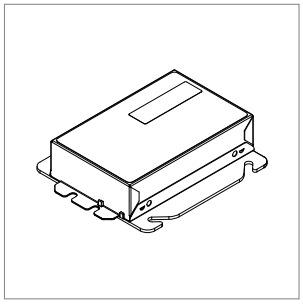

Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) ***See Guide*** *for details.*

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

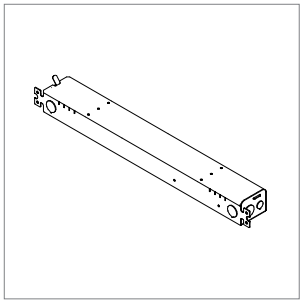
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult ***Power Guide*** to determine which type you will receive.

### Remote Brick Power Housing



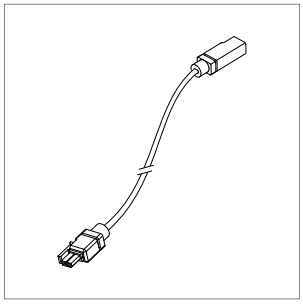
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 $in^3$ (J-Box not provided).
See ***Tech Sheet*** for details.

### 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.

### Wire Harness

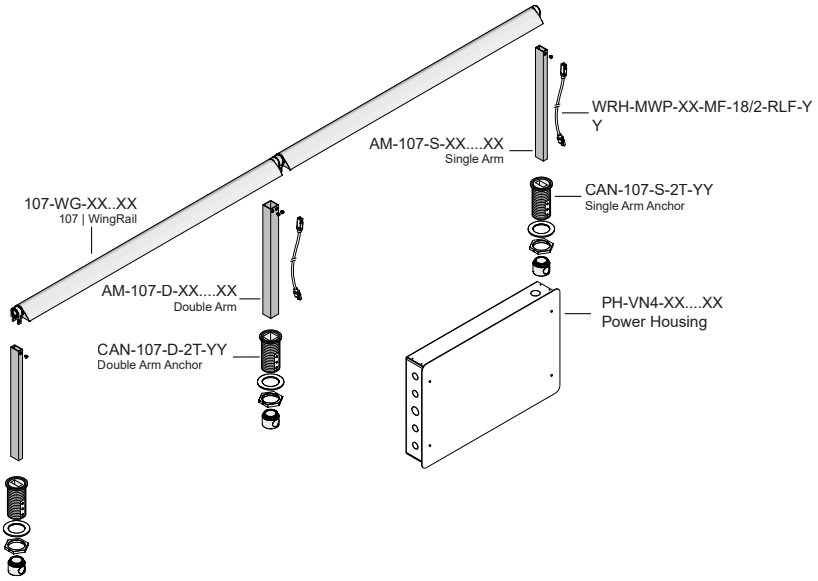


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m).
See ***Tech Sheet*** for details.

# Power and Controls

## Flexible 1 to 1 power

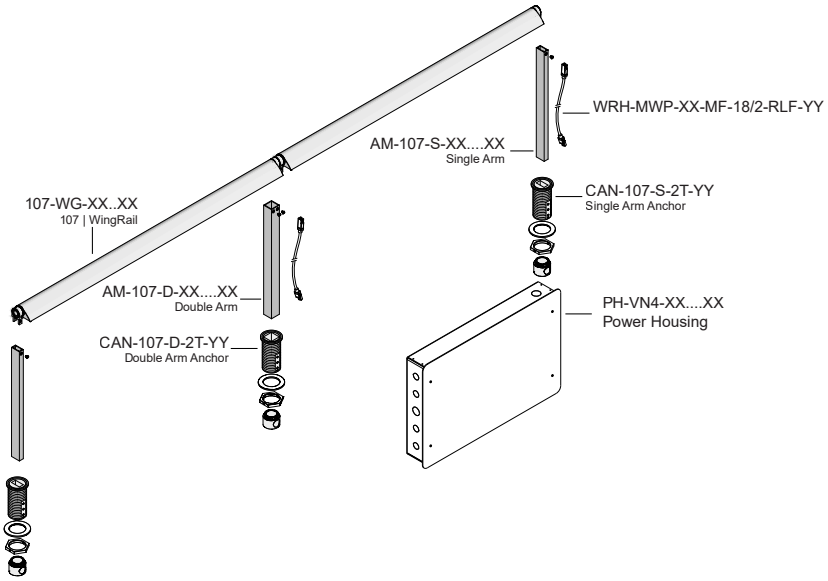
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult ***Power Guide***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




## 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.

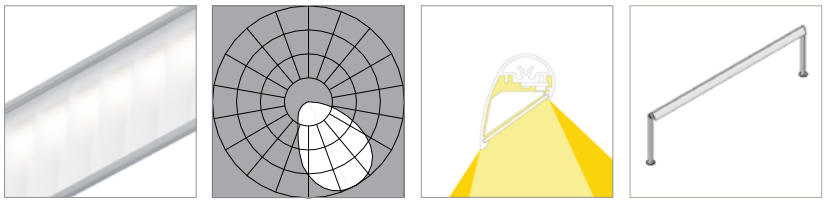



Note: Drawings not to scale, for reference only.

# Performance | Zipper Board Optics

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

White Baffle with EdgeSoft™ (WB)



L80 >60,000 hours

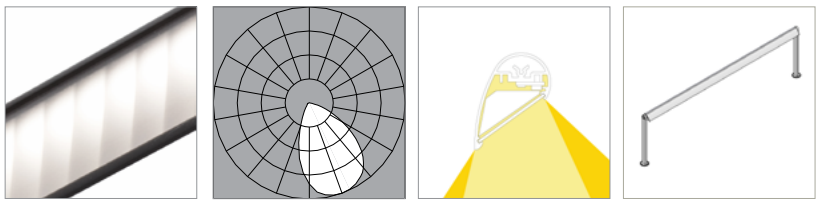
**90 CRI** (90min., 96 avg.)

| **Low Output (LO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 79 | 82 | 83 | 84 |
| Lumens per foot (305mm) | 271 | 280 | 285 | 288 |
| Watts per foot (305mm) | 3.5 | 3.5 | 3.5 | 3.5 |

| **Standard Output (SO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 91 | 94 | 96 | 97 |
| Lumens per foot (305mm) | 542 | 560 | 571 | 577 |
| Watts per foot (305mm) | 6.0 | 6.0 | 6.0 | 6.0 |

| **High Output (HO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 84 | 87 | 89 | 90 |
| Lumens per foot (305mm) | 1031 | 1063 | 1085 | 1096 |
| Watts per foot (305mm) | 12.3 | 12.3 | 12.3 | 12.3 |

Black Baffle with EdgeSoft™ (BB)



L80 >60,000 hours

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

| **Low Output (LO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 50 | 51 | 52 | 53 |
| Lumens per foot (305mm) | 170 | 175 | 179 | 180 |
| Watts per foot (305mm) | 3.5 | 3.5 | 3.5 | 3.5 |

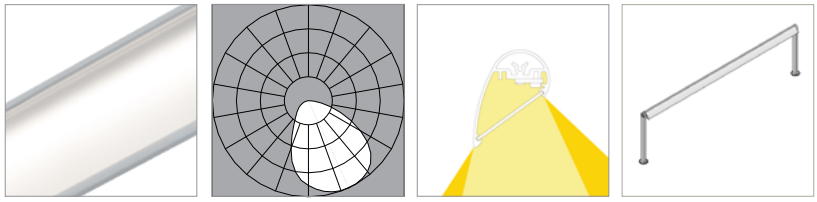
| **Standard Output (SO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 57 | 59 | 60 | 61 |
| Lumens per foot (305mm) | 339 | 350 | 357 | 361 |
| Watts per foot (305mm) | 6.0 | 6.0 | 6.0 | 6.0 |

| **High Output (HO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 53 | 55 | 56 | 56 |
| Lumens per foot (305mm) | 644 | 665 | 678 | 685 |
| Watts per foot (305mm) | 12.3 | 12.3 | 12.3 | 12.3 |

# Performance | Zipper Board Optics

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

Clear with EdgeSoft™(C1)



L80 >60,000 hours

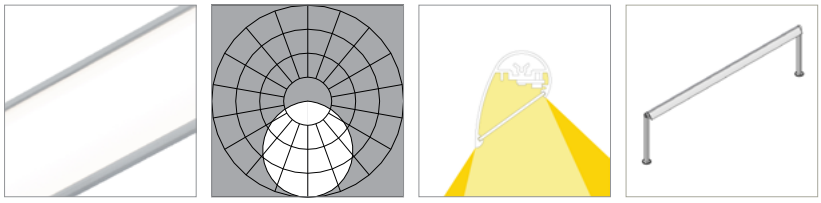
**90 CRI** (90min., 96 avg.)

| **Low Output (LO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 95 | 98 | 100 | 101 |
| Lumens per foot (305mm) | 327 | 337 | 344 | 348 |
| Watts per foot (305mm) | 3.5 | 3.5 | 3.5 | 3.5 |

| **Standard Output (SO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 109 | 113 | 115 | 116 |
| Lumens per foot (305mm) | 654 | 675 | 688 | 695 |
| Watts per foot (305mm) | 6.0 | 6.0 | 6.0 | 6.0 |

| **High Output (HO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 102 | 105 | 107 | 108 |
| Lumens per foot (305mm) | 1243 | 1282 | 1308 | 1321 |
| Watts per foot (305mm) | 12.3 | 12.3 | 12.3 | 12.3 |

Diffuse (D1)



L80 is >60,000 hours

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

| **Low Output (LO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 68 | 70 | 72 | 73 |
| Lumens per foot (305mm) | 234 | 241 | 246 | 248 |
| Watts per foot (305mm) | 3.5 | 3.5 | 3.5 | 3.5 |

| **Standard Output (SO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 78 | 81 | 83 | 83 |
| Lumens per foot (305mm) | 467 | 482 | 492 | 497 |
| Watts per foot (305mm) | 6.0 | 6.0 | 6.0 | 6.0 |

| **High Output (HO)** | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|
| Efficacy - Lumens per Watt | 73 | 75 | 77 | 77 |
| Lumens per foot (305mm) | 888 | 916 | 935 | 944 |
| Watts per foot (305mm) | 12.3 | 12.3 | 12.3 | 12.3 |

## Patent Marking

This website (https://www.lmpg.com/patents-trademarks) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here. To learn more, visit https://www.vode.com/about/legal

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