

Spec Guide

WingRail | Table Arm | 107



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

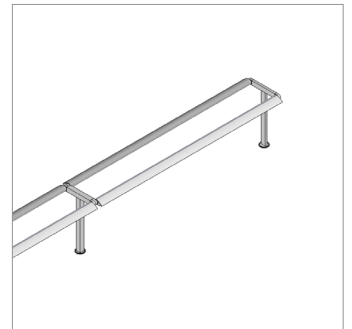
Break through Batwing lens designed for excellent fixture to fixture spacing.

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 | Single/Double Rail | System Length | Rail Length | Mounting | Arm Length |
| 107-WG WingRail | 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) | specify overall system length in ft/in or M/mm. <i>Corner and Shapes Available See Guide for details.</i> | 24 24" (610mm) 36 36" (914mm) 48 48" (1219mm) 60 60" (1524mm) ZZ Other rail length or layout (please specify) | TA Table Arm | 18 18" arm (457mm) ZZ Other (please specify) ¹ |
| See Rail Length Chart for more details. ⚠ Custom lengths may result in light gaps on the fixture. See Rail Length Chart for more details. | | | | | |

| | | | | | |
|---|--|---|---|---|--|
| | | | | | |
| Power Location | | Power Type[*] | Voltage | Emergency Power | |
| Remote Power | | Flexible 1 to 1 Power | 1 120V 2 120V - 277V X Not Yet Specified | 0 No Emergency Power ZZ Emergency Power (specify requirements) | |
| Specify mounting and harness length code example: 2T25, 2T50 ...etc. | | 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) | | | |
| Mounting Option | Wire Harness | Optimized Power | | | |
| 2T Arm Anchor | 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 | Add 'O' to power type example: AEO, ATO...etc. ² 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. ³ ZZ Other (please specify) | | | |
| See Power Guide for driver features & limitations. | | | | | |

| | | | | | |
|---|--|---|--|---|--|
| Z | | | | | |
| LED Type | Lumen Output* | Color Temperature | Optics | Sensors | |
| Z Zipper Board | LO Low Output SO Standard Output HO High Output ZZ Other (please specify) | 90+ CRI 27 2700K 30 3000K 35 3500K 40 4000K ZZ Tunable White Available See Guide for details. | Zipper Board (Z) WB White Baffle with EdgeSoft™ BB Black Baffle with EdgeSoft C1 Clear with Edge Softening D1 Diffuse | 0 None ZZ Other (specify requirements) | |
| See IES Files page for details. See Power Guide for driver features & limitations. | | | | | |

| | |
|---|---|
| | |
| Finish | Options |
| AL Clear Anodized WH White Powder Coat BL Black Anodized ZZ Other (please specify) | 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.

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 % 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

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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.



Click here to learn more: [US Department of Commerce](https://www.usdoj.gov/commerce)

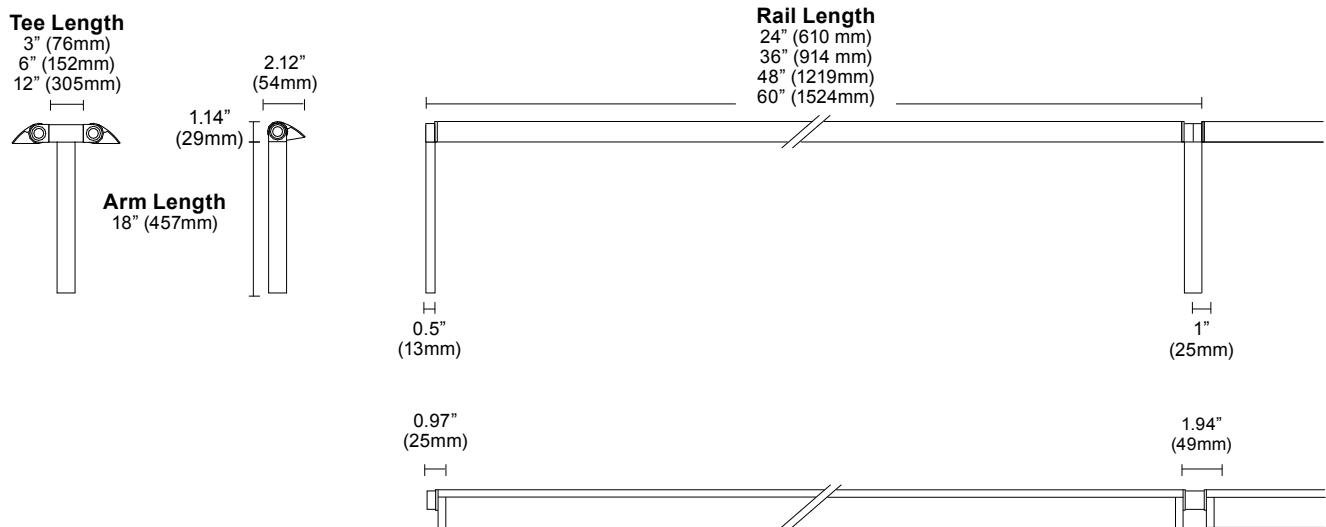
Structure

| | |
|-----------------------|--|
| 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. |

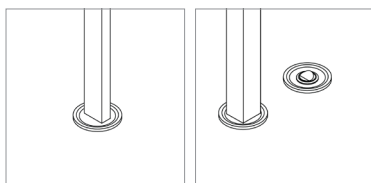
Materials

| | |
|-----------------------------------|--|
| 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



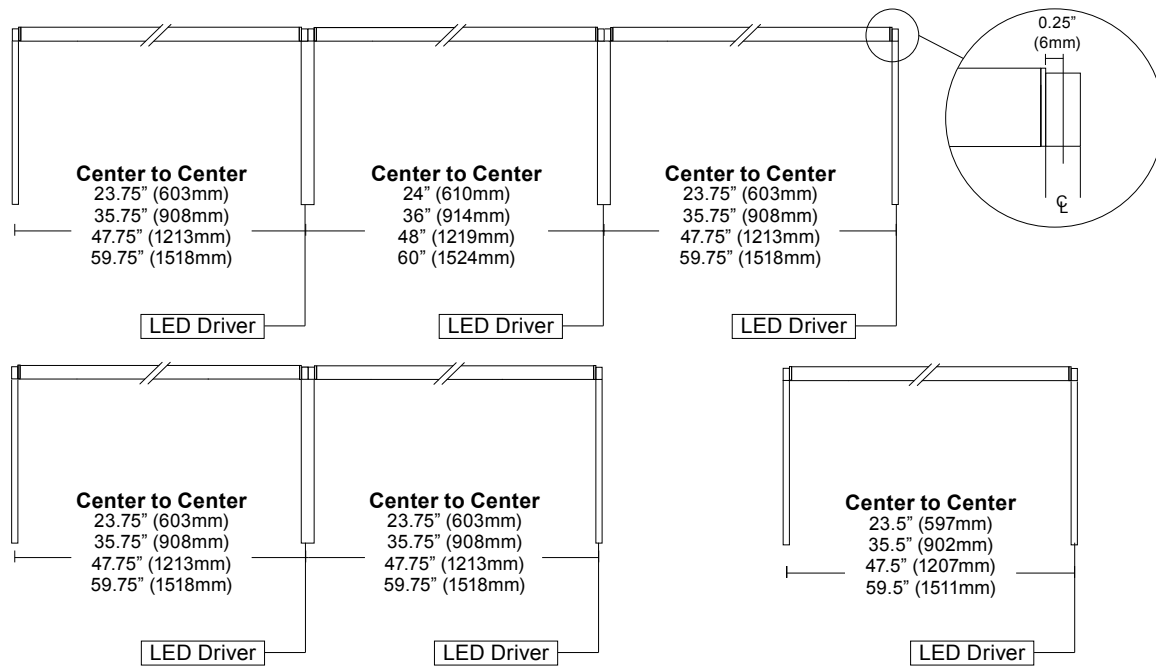
Mounting Options



Arm Anchor®
 h0.1" (3mm)
 Ø2" (51mm)

On/Off Switch
 (optional)

Layout



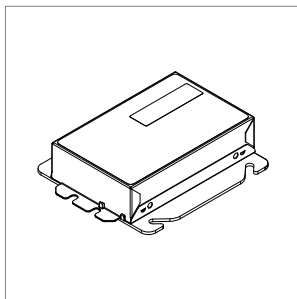
Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) [See Guide](#) for details.

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) <i>depending</i> on driver selection. See Power Guide for details. |

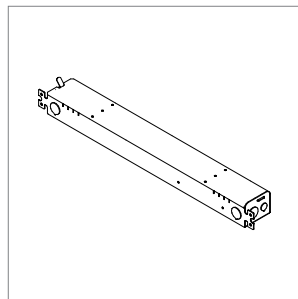
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive.

Remote Brick Power Housing



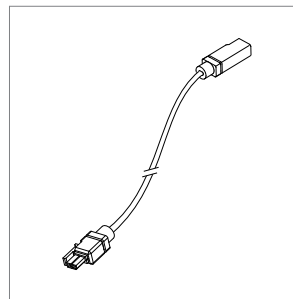
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

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.

Wire Harness

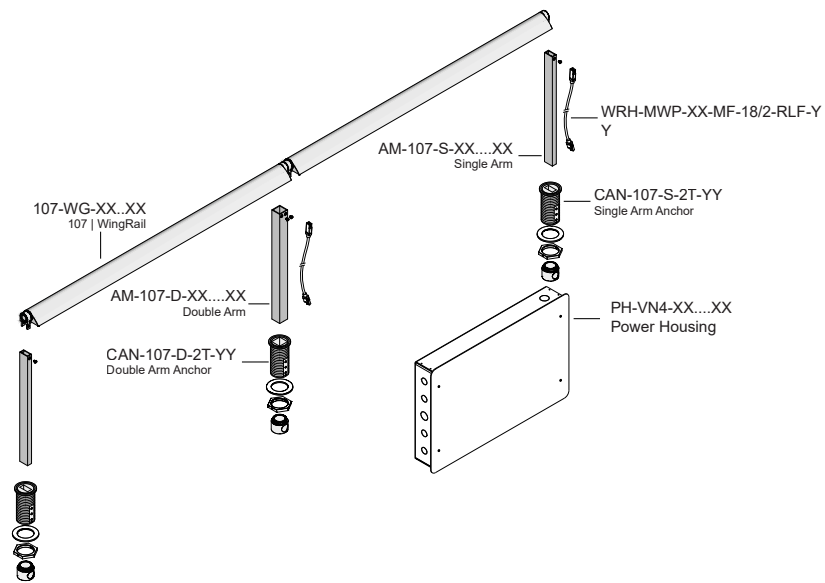


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m). See [Tech Sheet](#) for details.

Power and Controls

Flexible 1 to 1 power

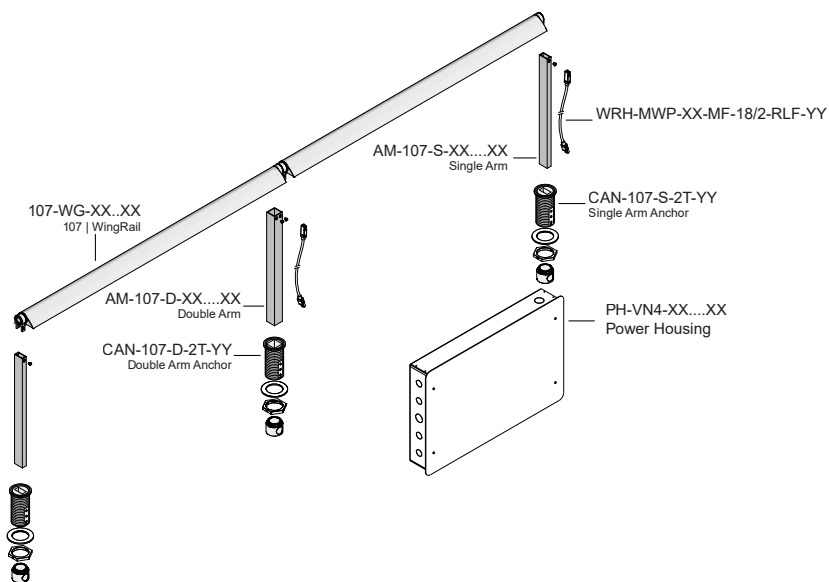
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#)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

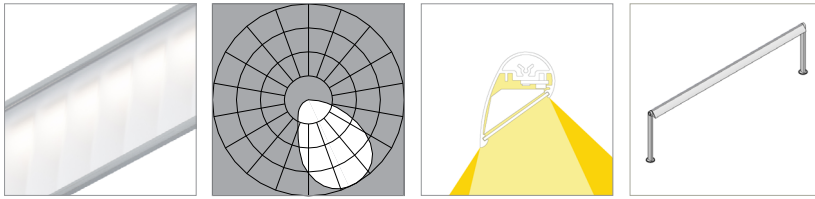


Note: Drawings not to scale, for reference only.

Performance | Zipper Board Optics

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

White Baffle with EdgeSoft™ (WB)



L80 >60,000 hours

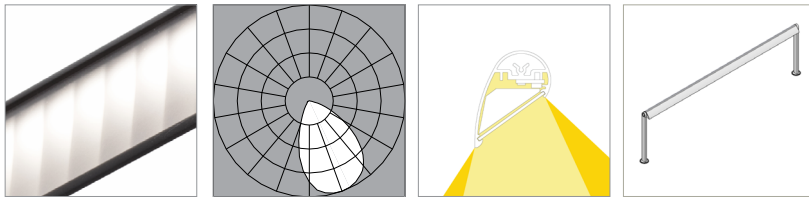
90 CRI (90min., 96 avg.)

| 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 |

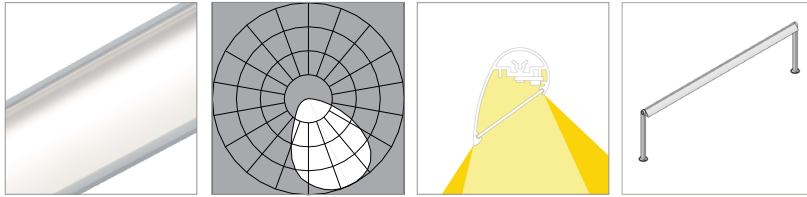
| Standard Output (SO) | 2700K | 3000K | 3500K | 4000K |
|-----------------------------|-------|-------|-------|-------|
| Efficacy - Lumens per Watt | 57 | 59 | 60 | 61 |
| Lumens per foot (305mm) | 339 | 350 | 357 | 361 |
| Watts per foot (305mm) | 6.0 | 6.0 | 6.0 | 6.0 |

| 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

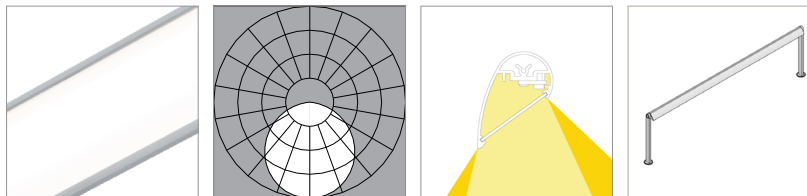
90 CRI (90min., 96 avg.)

| 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 |

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