



Spec Guide

DoubleBox | Ceiling Cable | 107



Direct/indirect lighting for ambient, open office, conference room and wall wash applications.



DoubleBox, direct/indirect

Benefits & Features

Minimal Profile, Robust Design

Rectangular profile, 2.48 in x 1.14 in.

Superior Light Quality & Performance

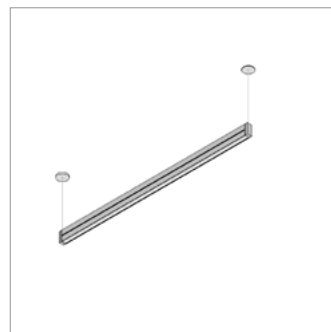
Output up to 2972 lm/ft (HO), 131 lm/W (HO). 90 CRI static & tunable white 2200K - 5000K. Custom ranges available upon request.

High Performance Optics

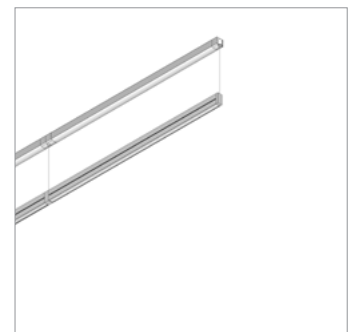
Break through Batwing lens designed for excellent fixture to fixture spacing.

Better Optics & Beam Control

Options of Batwing, FlyWing, black or white baffle, diffuse lens and narrow optics for ambient, grazing or wall wash..



Small Round Canopy



Integral Power, Continuous System

Build Your Specification

107-DB	01			CC	»
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System & Rail Type 107-DB DoubleBox	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" (1820mm) 96 96" (2438mm) 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 (1210mm) 96 96" cable (2438mm) ZZ Other (please specify)
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Power Location Integral Power ¹ IP Integral Power Remote Power Specify mounting and harness length code example: 2R25, 4R25...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) Optimized Power 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.	Voltage 1 120V 2 120V - 277V X Not Yet Specified	Emergency Power 0 No Emergency Power ZZ Emergency Power (specify requirements)
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Z				
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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) G12 120° Batwing, up Diffuse, down G1WB 120° Batwing, up White Baffle, down G1BB 120° Batwing, up Black Baffle, down G1S1 120° Batwing, up 40° Symmetric, down G1S2 120° Batwing, up 60° Symmetric, down G1A1 120° Batwing, up 85° Asymmetric, down G1G2 120° Batwing, up 120° FlyWing, down	Sensors 0 None ZZ Sensor (specify requirements)
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Finish AL Clear Anodized WH White Powder Coat BL Black Anodized ZZ Other (please specify)	Options 0 None 9 9' 18/3 Cord and Plug ⁴ CP Chicago Plenum
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NOTES & LIMITATIONS

- ¹ Integral Power (IP) is not available with 24" rail lengths in AE, AH, AH2.
- 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 9' 18/3 Cord and Plug only available with Remote Power (RP).
- ⁵ Chicago Plenum not applicable for wall arm mounting.

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

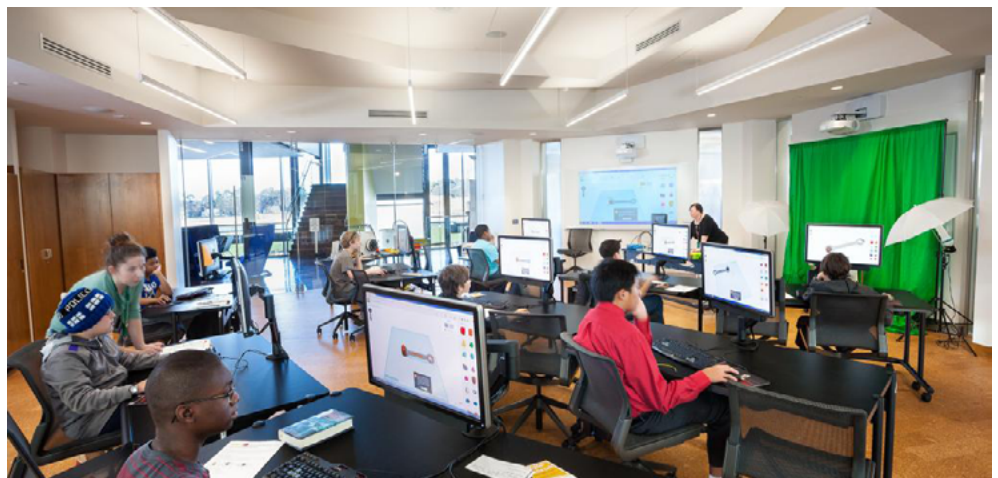
General Interior, Open Office, and Conference Room



Square Inc, San Francisco, CA



PCH Innovation, San Francisco, CA



Libbie Mill Library, Richmond, VA

Applications

General Interior, Open Office, and Conference Room



Open Office: rendering.




Harold C. Smith Learning Commons, Springfield, MA

Declare Label

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

See [International Living Future Institute](https://www.living-future.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



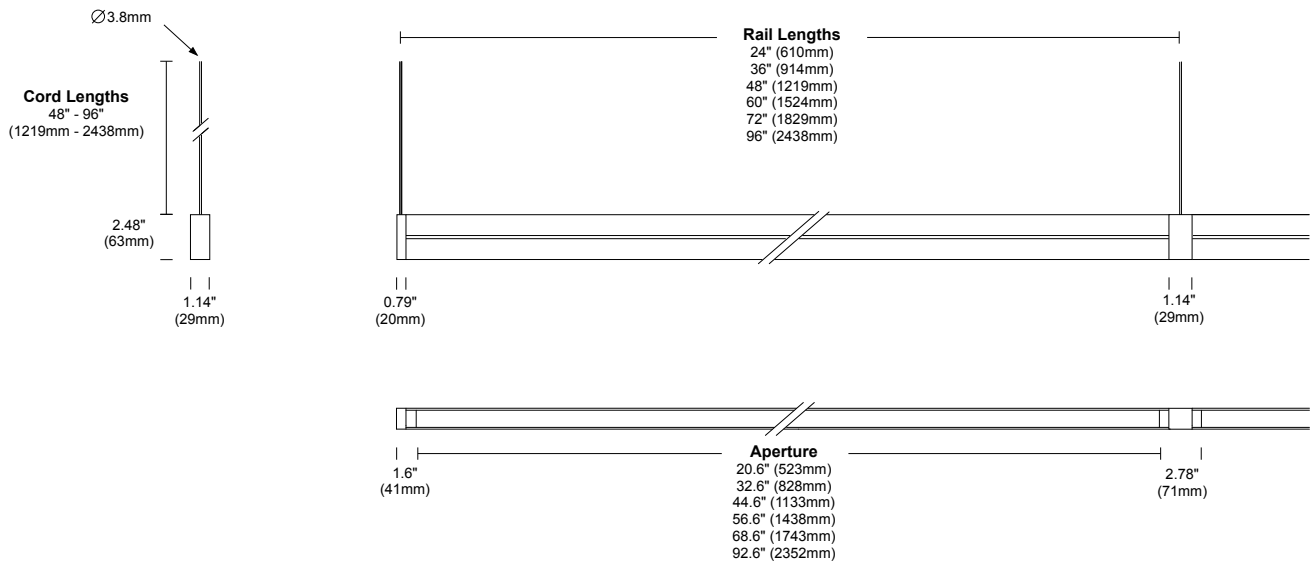
Structure

Rail Length	24" (610mm) - 96" (2438mm). Modified lengths available. See Rail Length Chart for more details.
Rail Dimension	2.48" x 1.14" (63mm x 29mm) x length.
Construction / Finish	Extruded and machined 6063 aluminum. Clear anodized, black anodized, white painted and non-standard finishes available.
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	1.22lbs per ft (0.56kg per 305mm) Remote Power supply and mounting hardware not included.

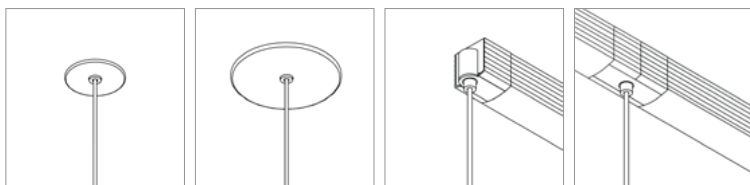
Materials

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	Ø3.8mm, 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



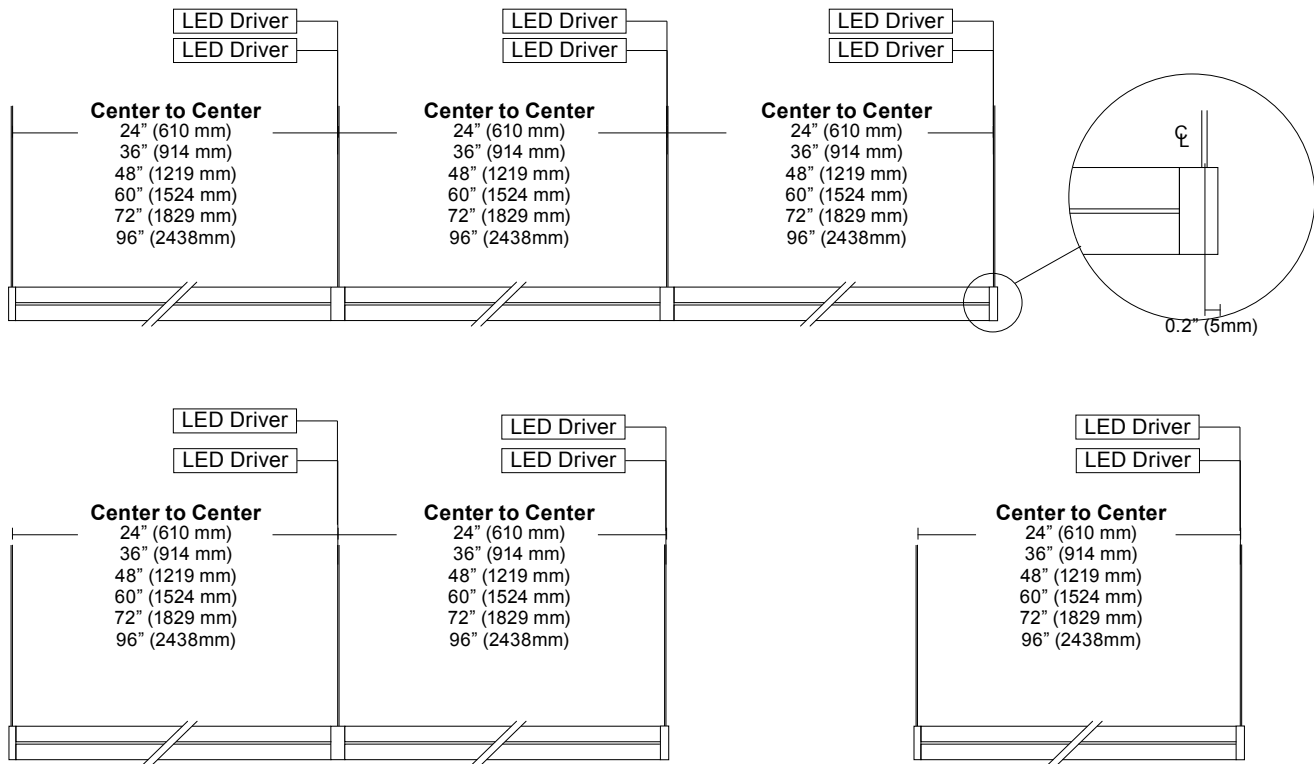
Small Round Canopy
Ø2.5" (51mm)

Large Round Canopy
Ø4.5" (114mm)

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

Integral Power (joint)

Layout



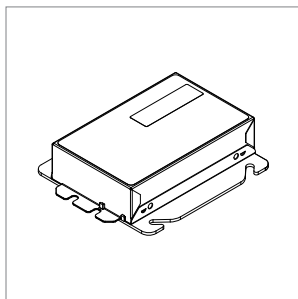
Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) [See Guide](#) for details.

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

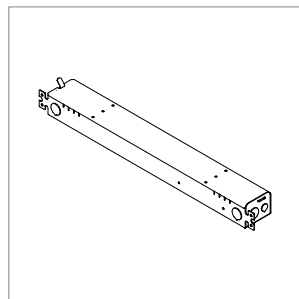
Vode power locations fall into two categories: integral and remote. Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive. Integral power is locating the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

Remote Brick Power Housing



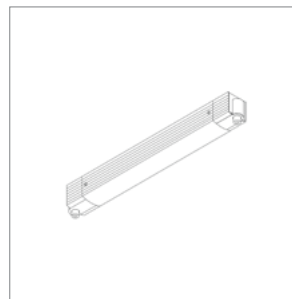
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

Remote Linear Power Housing



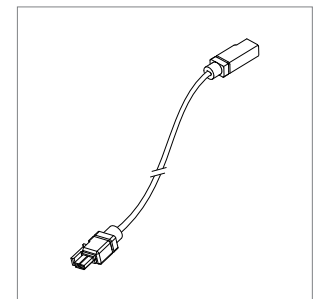
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

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

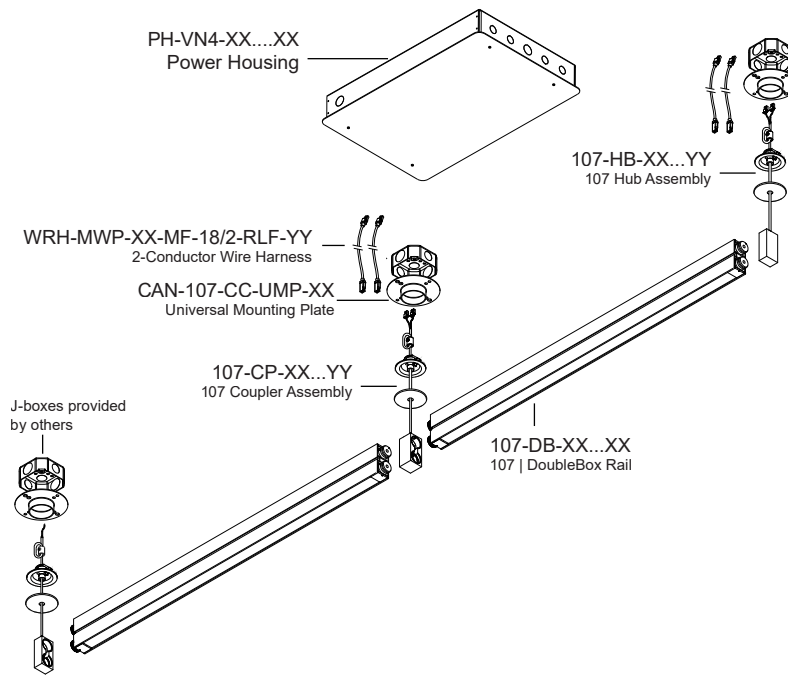


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m). See [Tech Sheet](#) for details.

Power and Controls

Flexible 1 to 1 power

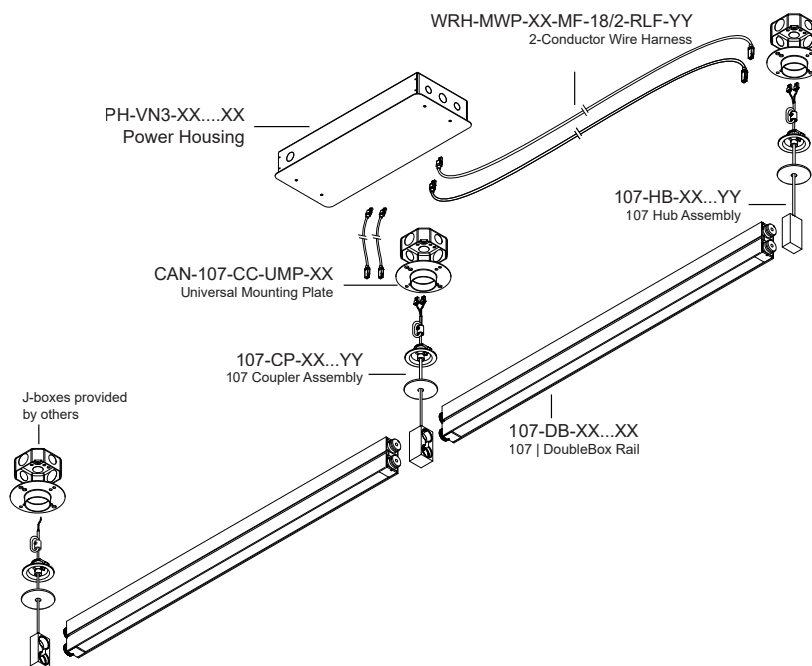
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#)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

Black Anodized Finish



Black Rail, Black Canopy/Integral Power, Black Cable

White Powder Coat Finish

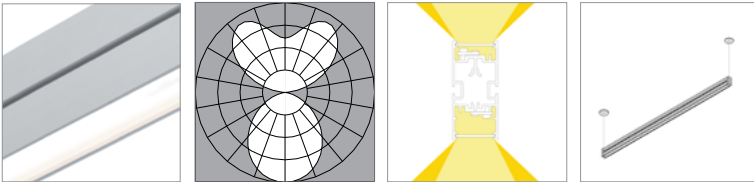


White Rail, White Canopy/Integral Power, White Cable

Performance | Zipper Board Optics

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

120° Batwing, up | Diffuse, down (G12)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	92	93
Lumens per foot (305mm)	598	617	629	635
Watts per foot (305mm)	6.9	6.9	6.9	6.9

Standard Output (SO)

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	104	106	107
Lumens per foot (305mm)	1195	1233	1258	1271
Watts per foot (305mm)	12.0	12.0	12.0	12.0

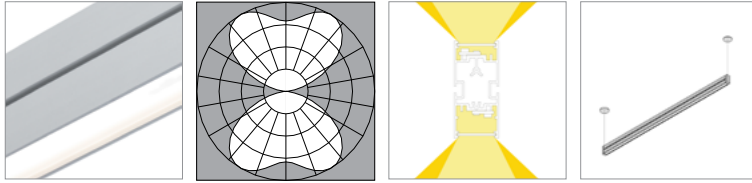
High Output (HO)

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	93	96	98	99
Lumens per foot (305mm)	2271	2343	2391	2415
Watts per foot (305mm)	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

120° Batwing, up | 120° Flywing, down (G1G2)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	95	97	99	100
Lumens per foot (305mm)	649	669	683	690
Watts per foot (305mm)	6.9	6.9	6.9	6.9

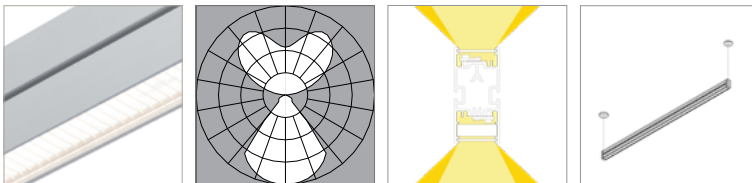
Standard Output (SO)

Efficacy - Lumens per Watt	109	112	115	116
Lumens per foot (305mm)	1297	1338	1366	1379
Watts per foot (305mm)	12.0	12.0	12.0	12.0

High Output (HO)

Efficacy - Lumens per Watt	101	104	106	107
Lumens per foot (305mm)	2465	2543	2594	2620
Watts per foot (305mm)	24.6	24.6	24.6	24.6

120° Batwing, up | White Baffle, down (G1WB)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	75	77	79	80
Lumens per foot (305mm)	513	529	540	546
Watts per foot (305mm)	6.9	6.9	6.9	6.9

Standard Output (SO)

Efficacy - Lumens per Watt	86	89	91	92
Lumens per foot (305mm)	1026	1059	1081	1091
Watts per foot (305mm)	12.0	12.0	12.0	12.0

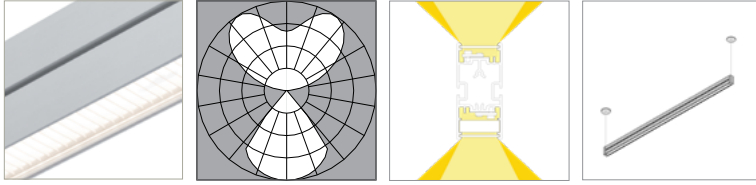
High Output (HO)

Efficacy - Lumens per Watt	80	83	84	85
Lumens per foot (305mm)	1950	2012	2053	2073
Watts per foot (305mm)	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

120° Batwing, up | Black Baffle, down (G1BB)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	62	64	65	66
Lumens per foot (305mm)	424	438	447	451
Watts per foot (305mm)	6.9	6.9	6.9	6.9

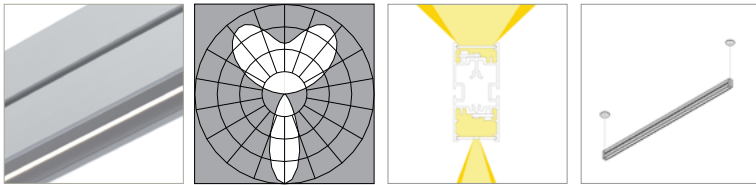
Standard Output (SO)

Efficacy - Lumens per Watt	72	74	75	76
Lumens per foot (305mm)	849	876	894	902
Watts per foot (305mm)	12.0	12.0	12.0	12.0

High Output (HO)

Efficacy - Lumens per Watt	66	68	70	70
Lumens per foot (305mm)	1613	1664	1698	1715
Watts per foot (305mm)	24.6	24.6	24.6	24.6

120° Batwing, up | 40° Symmetric, down (G1S1)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	67	69	70	71
Lumens per foot (305mm)	457	471	481	486
Watts per foot (305mm)	6.9	6.9	6.9	6.9

Standard Output (SO)

Efficacy - Lumens per Watt	77	79	81	82
Lumens per foot (305mm)	914	943	962	971
Watts per foot (305mm)	12.0	12.0	12.0	12.0

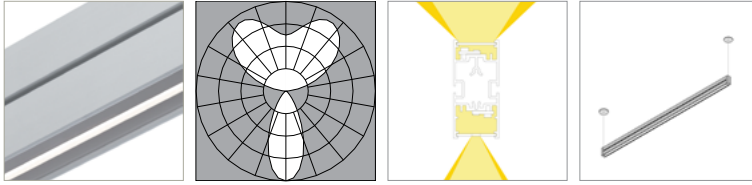
High Output (HO)

Efficacy - Lumens per Watt	71	74	75	76
Lumens per foot (305mm)	1736	1791	1827	1846
Watts per foot (305mm)	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

120° Batwing, up | 60° Symmetric, down (G1S2)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	76	77	78
Lumens per foot (305mm)	504	520	531	536
Watts per foot (305mm)	6.9	6.9	6.9	6.9

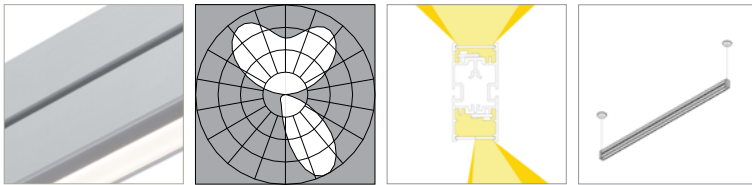
Standard Output (SO)

Efficacy - Lumens per Watt	85	88	89	90
Lumens per foot (305mm)	1008	1040	1062	1072
Watts per foot (305mm)	12.0	12.0	12.0	12.0

High Output (HO)

Efficacy - Lumens per Watt	79	81	83	84
Lumens per foot (305mm)	1916	1977	2017	2037
Watts per foot (305mm)	24.6	24.6	24.6	24.6

120° Batwing, up | 85° Asymmetric, down (G1A1)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	76	78	79
Lumens per foot (305mm)	508	524	535	540
Watts per foot (305mm)	6.9	6.9	6.9	6.9

Standard Output (SO)

Efficacy - Lumens per Watt	86	88	90	91
Lumens per foot (305mm)	1017	1049	1070	1081
Watts per foot (305mm)	12.0	12.0	12.0	12.0

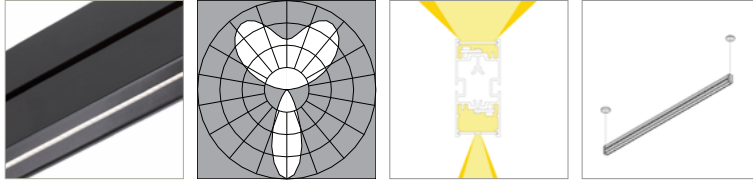
High Output (HO)

Efficacy - Lumens per Watt	79	82	83	84
Lumens per foot (305mm)	1931	1992	2033	2053
Watts per foot (305mm)	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

120° Batwing, up | 40° Symmetric, down, black finish (G1S1-BL)



L80 >60,000 hours

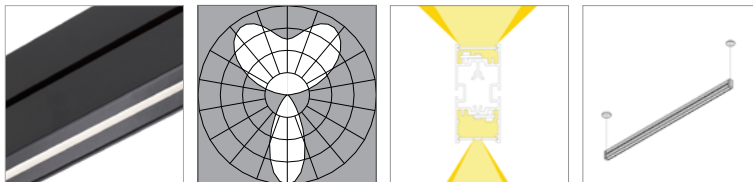
90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	61	63	65	65
Lumens per foot (305mm)	420	433	442	446
Watts per foot (305mm)	6.9	6.9	6.9	6.9

Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	71	73	74	75
Lumens per foot (305mm)	839	866	883	892
Watts per foot (305mm)	12.0	12.0	12.0	12.0

High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	66	68	69	70
Lumens per foot (305mm)	1594	1645	1678	1695
Watts per foot (305mm)	24.6	24.6	24.6	24.6

120° Batwing, up | 60° Symmetric, down, black finish (G1S2-BL)



L80 >60,000 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)	436	449	459	463
Watts per foot (305mm)	6.9	6.9	6.9	6.9

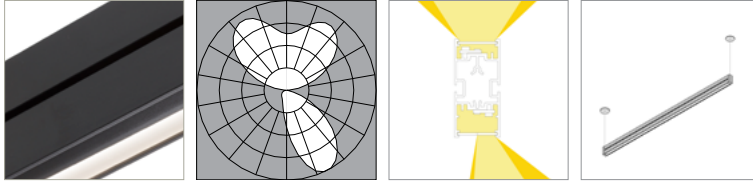
Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	73	76	77	78
Lumens per foot (305mm)	871	899	917	926
Watts per foot (305mm)	12.0	12.0	12.0	12.0

High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	68	70	72	72
Lumens per foot (305mm)	1655	1707	1742	1760
Watts per foot (305mm)	24.6	24.6	24.6	24.6

Performance | Zipper Board Optics

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

120° Batwing, up | 85° Asymmetric, down, black finish (G1A1-BL)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	69	71	73	73
Lumens per foot (305mm)	473	488	498	503
Watts per foot (305mm)	6.9	6.9	6.9	6.9

Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	80	82	84	85
Lumens per foot (305mm)	946	976	996	1005
Watts per foot (305mm)	12.0	12.0	12.0	12.0

High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	76	78	78
Lumens per foot (305mm)	1797	1854	1891	1910
Watts per foot (305mm)	24.6	24.6	24.6	24.6

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