vode Adaptive Architectural Lighting Systems

Spec Guide

ZipThree® | Wall Mount | 707

Red List Approved
Declare.

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

ZipThree, Ceiling Wash Uplight, Wall Graze Downlight (with EdgeGlow)

Benefits & Features

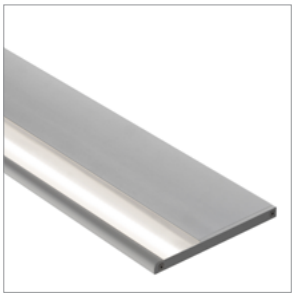
Micro Profile, Robust Design
Flat profile, 0.27" (7mm) x 3.78" (96mm)

Superior Light Quality & Performance
Outputs up to: 2808 lm/ft (9212 lm/m), 149 lm/W (SO). 90 CRI & tunable white (2200K-6500K) available.

Remote Power with Independent Channel Control
Power may be located up to 100' (30.5m) away. Direct/indirect circuits may be independently controlled.

A Floating Line of Light with EdgeGlow™ Option
Optional EdgeGlow™ for edge-lit detail. Hidden mud-in or surface-mount hardware.

Wall Graze Downlight only



Ceiling Wash Uplight only

Build Your Specification

707-Z3	SL				0

System & Rail Type
707-Z3 ZipThree

System Type
SL Standard Linear

System Length
Specify overall system length in ft/in or M/mm.

Rail Length
12 12.2" (310mm)
24 24" (610 mm)
36 36" (914 mm)
48 48" (1219 mm)
60 60" (1524 mm)
72 72" (1829 mm)
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
S1 Surface Mount
M1 Zero Mount (Mud-in)

Arm/Cord Length
0 None

Power Location
Remote Power

RP10 10' (3.048m) Wire Harness
RP25 25' (7.62m) Wire Harness
RP50 50' (15.24m) Wire Harness
RP75 75' (22.86m) Wire Harness
RP100 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: 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
U1A1 Symmetric, up | 85° Asymmetric, down
U2A1 Symmetric with EdgeGlow, up | 85° Asymmetric, down
U1 Symmetric, uplight only
U2 Symmetric with EdgeGlow, uplight only
A1 85° Asymmetric, downlight only

Sensors
0 None
ZZ Sensor *(specify requirements)*

Finish
AL Clear Anodized
WH White Painted
BL Black Anodized
ZZ Other (please specify)

Options
0 None
9 9' 18/3 Cord and Plug [3]

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] 9' 18/3 Cord and Plug is not available with Optics U1A1 and U1A2.

*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 and Open Office

Budge & Heipt, Seattle, WA

Confidential Corporate Client

Declare Label

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

See ***International Living Future Institute*** website for details.

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:

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

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

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
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INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

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Structure

Rail Lengths	12.2” (310mm) - 96” (2438mm). Modified lengths available. *See **Rail Length Chart** for more details.*
Rail Dimensions	Rectangular profile, 0.27” (7mm) x 3.78” (96mm) x length.
Construction	Extruded and machined 6063 aluminum.
Mounting	Zero mount (mud-in) or surface mount. *ADA compliant*
System Run Length	12.2” (310mm) minimum. Unlimited maximum.
Operating Temperature	32°F to 95°F (0°C to 35°C).
Humidity	0-85%, non-condensing.
System Weight	0.5 lbs per ft (0.22kg per 305mm). Power supply and housing not included.

Materials

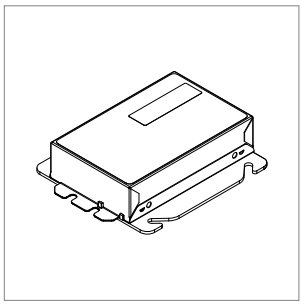
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910 *(PVC free in 2020)*
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen 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

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.*

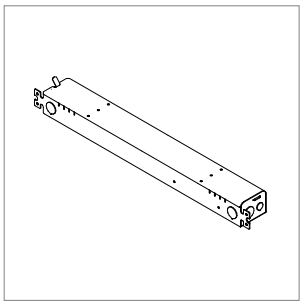
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult ***Power Guide*** to determine which type you will receive.

Remote Brick Power Housing



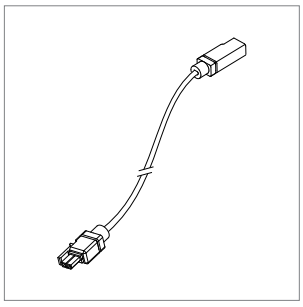
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4” metal, square J-Boxes with a minimum volume of 21 in^3 (J-Box not provided).
See ***Tech Sheet*** for details.

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

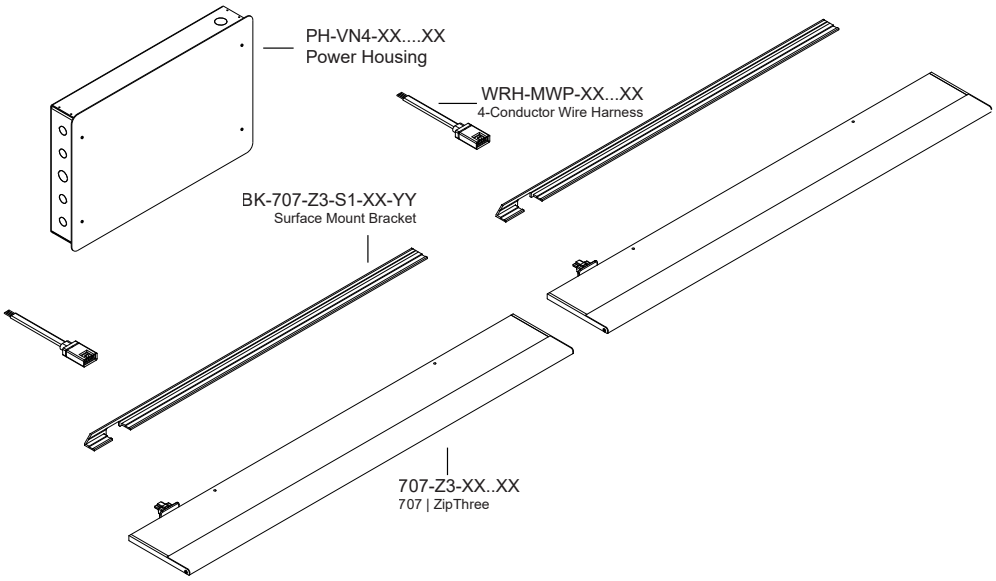


Wire harness connects driver to rail section. Lengths of 10’ (3.0m) & 25’ (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100’ (30.5m)..
See ***Tech Sheet*** for details.

Power and Controls

Flexible 1 to 1 power

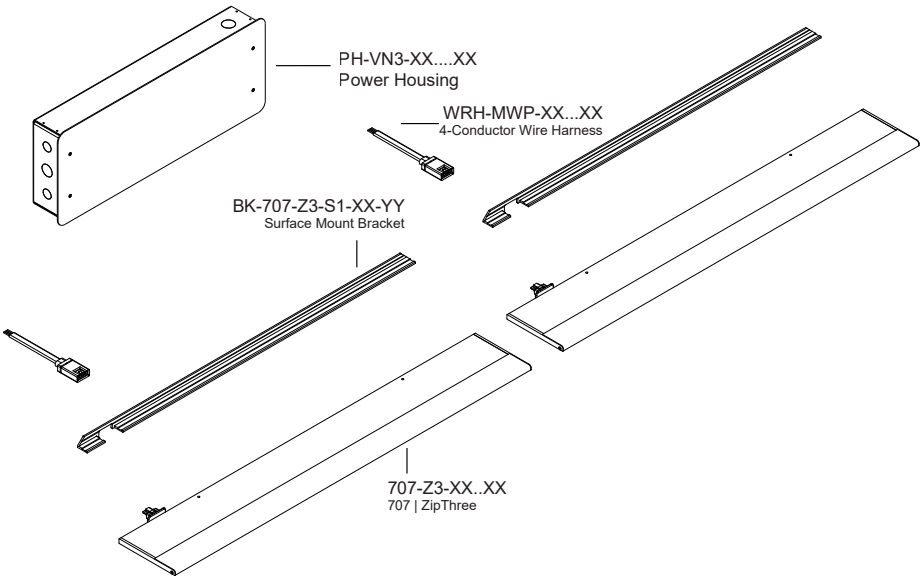
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult ***Power Guide***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



Optimized Power

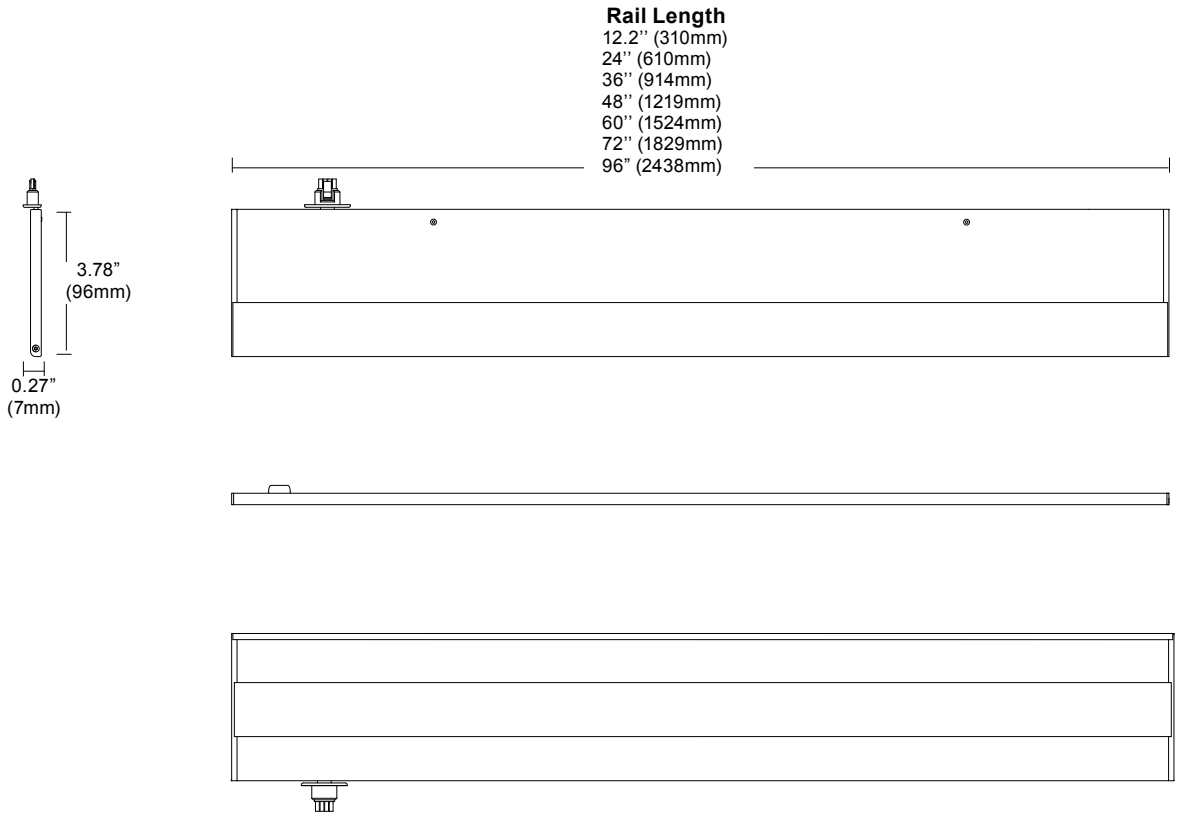
To optimize power, Vode configures specifications with drivers that have 2 or 4 outputs. Depending on system configurations and power requirements, up to 4 fixtures can be powered from a 4-output driver. Consult ***Power Guide*** to determine which type you will receive.

IMPORTANT: Each fixture will still require individual wire harnesses, as shown below.

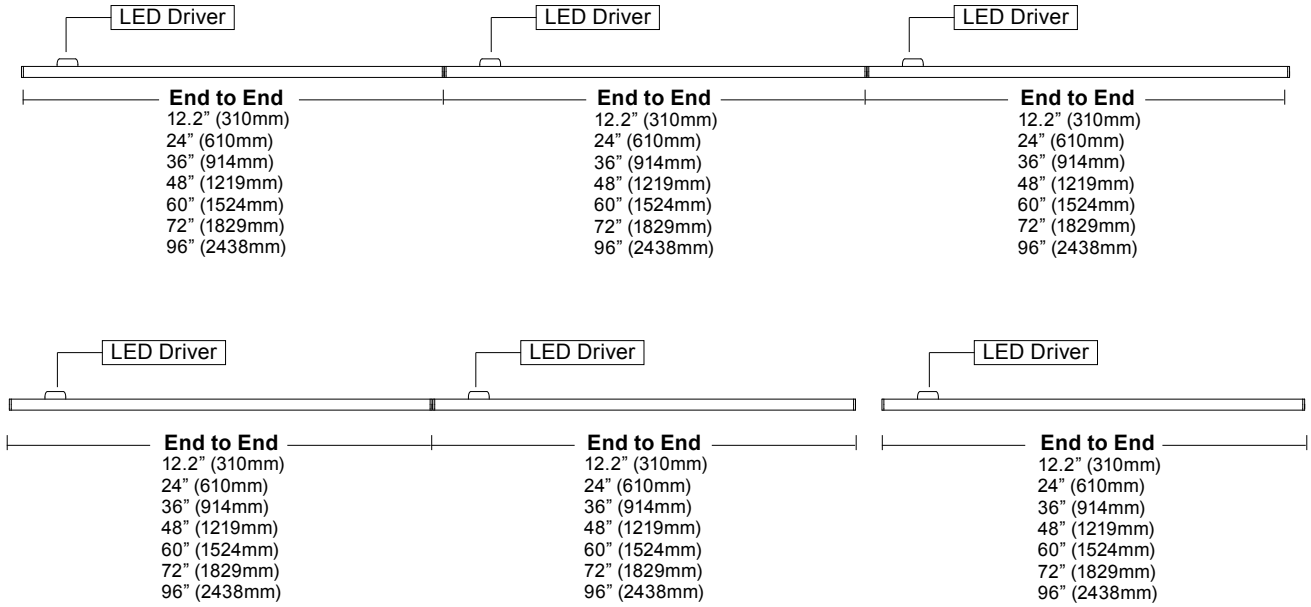


Note: Drawings not to scale, for reference only.

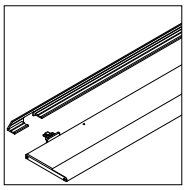
Dimensions

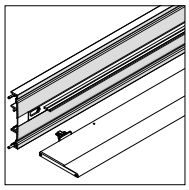


Layout



Mounting Options

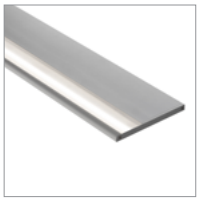
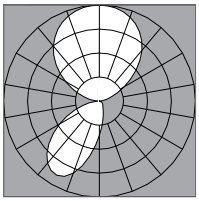
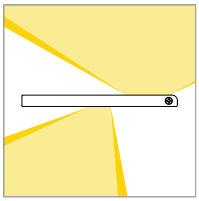

Surface mount (S1)


Zero mount (Mud-in) (M1)

Performance | Zipper Board Optics

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

Symmetric, up | 85º Asymmetric, down (U1A1)

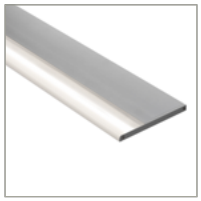
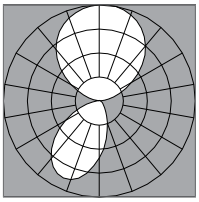
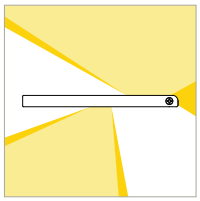

L80 >60,000 hours

	80 CRI (80min., 84 avg.)				**90 CRI** (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	113	117	119	119	98	101	103	107
Lumens per foot (305mm)	841	867	885	885	725	748	763	771
Watts per foot (305mm)	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Standard Output (SO)								
Efficacy - Lumens per Watt	129	133	136	136	110	114	116	121
Lumens per foot (305mm)	1682	1735	1770	1770	1450	1496	1526	1514
Watts per foot (305mm)	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.2
High Output (HO)								
Efficacy - Lumens per Watt	119	123	125	125	103	106	108	112
Lumens per foot (305mm)	3195	3296	3363	3363	2755	2842	2900	2929
Watts per foot (305mm)	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0

Performance | Zipper Board Optics

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

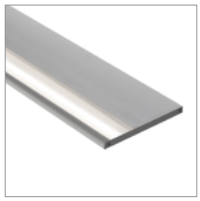
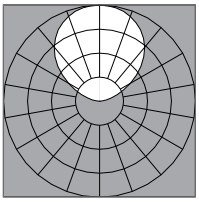
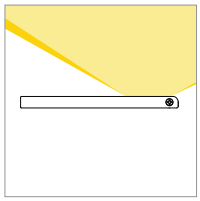
Symmetric with EdgeGlow, up | 85° Asymmetric, down (U2A1)


L80 >60,000 hours

	80 CRI (80min., 84 avg.)				**90 CRI** (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	114	118	120	120	98	101	103	107
Lumens per foot (305mm)	845	872	889	889	728	751	767	774
Watts per foot (305mm)	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Standard Output (SO)								
Efficacy - Lumens per Watt	130	134	137	137	111	114	117	122
Lumens per foot (305mm)	1690	1743	1779	1779	1457	1503	1534	1549
Watts per foot (305mm)	13.1	13.1	13.1	13.1	13.3	13.3	13.3	13.3
High Output (HO)								
Efficacy - Lumens per Watt	120	124	126	126	103	107	109	113
Lumens per foot (305mm)	3211	3312	3380	3380	2768	2855	2914	2943
Watts per foot (305mm)	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0

Symmetric, uplight only (U1)

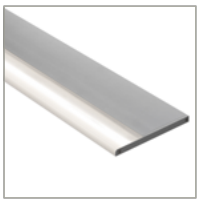
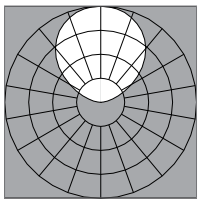
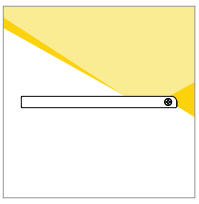

L80 >60,000 hours

	80 CRI (80min., 84 avg.)				**90 CRI** (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	133	137	140	140	115	119	121	122
Lumens per foot (305mm)	492	508	518	518	426	440	449	453
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	151	156	159	159	131	135	137	139
Lumens per foot (305mm)	984	1015	1036	1036	848	875	893	902
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
High Output (HO)								
Efficacy - Lumens per Watt	139	144	147	147	122	126	128	130
Lumens per foot (305mm)	1870	1929	1968	1968	1634	1686	1720	1737
Watts per foot (305mm)	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5

Performance | Zipper Board Optics

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

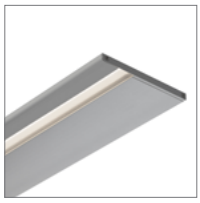
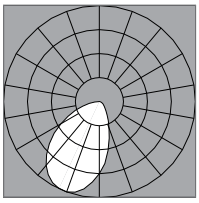
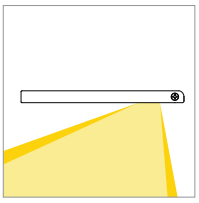
Symmetric with EdgeGlow, uplight only (U2)


L80 >60,000 hours

	80 CRI (80min., 84 avg.)				**90 CRI** (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	135	140	143	143	117	120	123	124
Lumens per foot (305mm)	502	518	529	529	433	447	456	460
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	154	159	162	162	133	137	140	141
Lumens per foot (305mm)	1005	1036	1058	1058	866	893	912	921
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
High Output (HO)								
Efficacy - Lumens per Watt	142	147	150	150	123	127	129	131
Lumens per foot (305mm)	1909	1969	2009	2009	1646	1698	1732	1750
Watts per foot (305mm)	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5

85º Asymmetric, downlight only (A1)


L80 >60,000 hours

	80 CRI (80min., 84 avg.)				**90 CRI** (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	86	89	91	91	75	77	78	81
Lumens per foot (305mm)	320	330	337	337	276	285	290	293
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	99	102	104	104	85	88	89	93
Lumens per foot (305mm)	640	660	674	674	552	569	581	587
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
High Output (HO)								
Efficacy - Lumens per Watt	91	94	96	96	78	81	83	86
Lumens per foot (305mm)	1216	1254	1280	1280	1048	1081	1104	1115
Watts per foot (305mm)	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5