Spec Guide

Wedge Peak™ | 707

Direct lighting for open office and corridor applications.
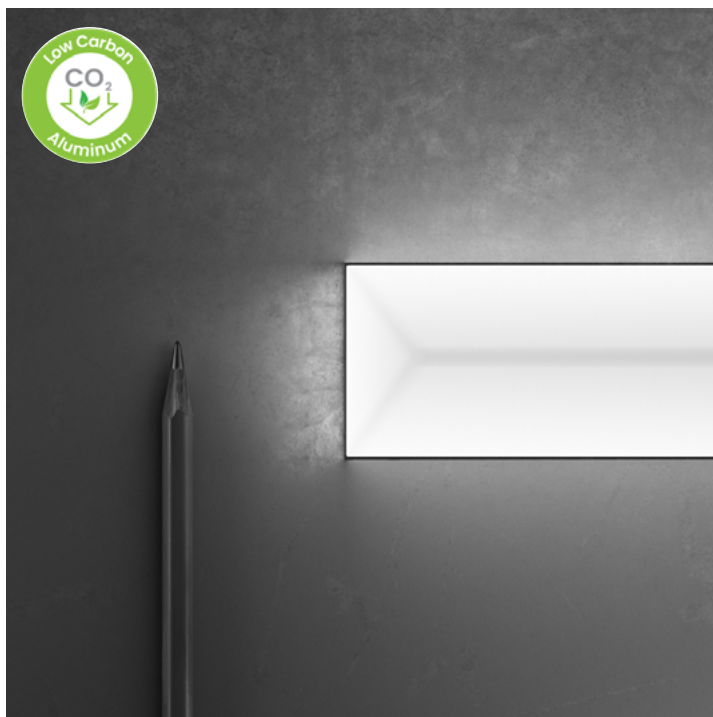
Red List Approved
Declare.

Benefits & Features

Minimal Profile, Robust Design
Isosceles triangle profile, 1.54" (39mm) x 3.00" (77mm)

Superior Light Quality & Performance
Output up to 2005 lm/ft (6500 lm/m) (HO), 162 lm/W (SO).
90 CRI & tunable white (2200K-5000K) available.

Versatile Mounting, Easy Installation
Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.

Triangular Form Factor
Diffuse optics gives the designers the power to bring visual interest to linear lighting through a uniquely shaped form.

Peak, Diffuse, White

Peak, Diffuse, White

Build Your Specification

707-WE	SL				0	▸▸

System & Rail Type	System Type	System Length	Rail Length	Mounting	Arm/Cord Length
707-WE Wedge	**SL** Surface	Specify overall system length in ft/in or M/mm.	**24** 24" (610mm) **36** 36" (914mm) **48** 48" (1219mm) **60** 60" (1524mm) **72** 72" (1829mm) **96** 96" (2438mm) **108** 108" (2743mm) **120** 120" (3048mm) **132** 132" (3352mm) **144** 144" (3658mm) **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.**	**C** Clip **CM** Clip with Micro J-Box [1] **T** Magnet with Tape-On Metal Strip [2] **T1** 9/16" T-Bar Clip, low profile **T2** 15/16" T-Bar Clip, low profile **T3** 15/16" T-Bar Clip, medium profile **T4** 15/16" T-Bar Clip, concealed **T5** 9/16" T-Bar Clip, medium profile **T6** Slotted T-Bar Clip **T7** Dimensional T-Bar Clip **SC** Strut Channel Clip **DM** Armstrong DynaMax **ZZ** Other (please specify)	**0** None

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Power Location	Power Type	
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	**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) [6] **Optimized Power*** *Add '**O**' to power type example: AE**O**, AT**O**...etc. [3] **AEO** 0-10v, 1.0% Dimming, Optimized Power **ATO** 0-10V, 0.1% Dimming, Optimized Power **ADO** DALI, 0.1% Dimming, Optimized Power **AXO** DMX, 100-0% Dimming, Optimized Power **ZZ** Other (please specify)	**Flexible 1 to 1 Power with VodeNODE*** *Add '**N**' to the end of spec code to indicate VodeNODE [4] **AEN** 0-10v, 1.0% Dimming with VodeNODE **ATN** 0-10v, 0.1% Dimming with VodeNODE **ADN** DALI, 0.1% Dimming with VodeNODE **AXN** DMX, 100-0% Dimming with VodeNODE **AHN** Lutron Hi-lume 1% EcoSystem (LDE1) with VodeNODE **Optimized Power with VodeNODE*** *Add '**ON**' to the end of spec code to indicate VodeNODE [4] **AEON** 0-10v, 1.0% Dimming, Optimized Power with VodeNODE **ATON** 0-10v, 0.1% Dimming, Optimized Power with VodeNODE **ADON** DALI, 0.1% Dimming, Optimized Power with VodeNODE **AXON** DMX,100-0% Dimming, Optimized Power with VodeNODE **ADON** DALI, 0.1% Dimming, Optimized Power with VodeNODE **AXON** DMX,100-0% Dimming, Optimized Power with VodeNODE *See **Power Guide** for driver features & limitations.*

▸▸		Z			

Voltage	Emergency Power	LED Type	Lumen Output	Color Temperature [5]	Optics
1 120V **2** 120V - 277V **X** Not Yet Specified	**0** No Emergency Power **ZZ** Emergency Power *(specify requirements)*	**Z** Zipper Board	**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.*	**90+ CRI** **27** 2700K **30** 3000K **35** 3500K **40** 4000K **ZZ** Tunable White Available **See Guide** for details	**W6** Diffuse

▸▸			

Sensors	Finish	Options
0 None	**WH** White	**0** None **9** 9' 18/3 Cord and Plug **CPS** Chicago Plenum Fixture Adapter & Power **CPP** Chicago Plenum Power **CPA** Chicago Plenum Fixture Adapter

NOTES & LIMITATIONS

[1] *Mounting type available with Chicago Plenum.*

[2] *Magnet mount not recommended for wall applications in accessible high traffic areas. Clip (C) mounting is recommended instead.*

[3] *Optimized Power is not available with Hi-lume 1% EcoSystem (AHO) Power Type.*

[4] *VodeNODE enclosure is not available with Hi-lume 1% 2-wire (AH2) Power Type.*

[5] *RGBW available. Contact Vode for more information.*

[6] *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

Patient Room, Peak | Diffuse | 707, White (R6-WH)

Corridor, Peak | Diffuse | 707, White (R6-WH)

Sustainability & Certifications

DECLARE

International Living Future Institute (ILFI)

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

VDE-0001
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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Click here to learn more: *International Living Future Institute*

TM65NA

CIBSE & ASHRAE on Embodied Carbon

Vode recognizes TM65NA as the highest standard for understanding the embodied carbon of our fixtures.

Developed with ASHRAE, it adapts CIBSE's TM65 for North America, ensuring accurate regional assessments. It must be used alongside TM65 and follows TM65LA's framework.

System: 707 | Wedge Peak | Surface Mounted
Embodied Carbon (kg CO$_2$e): 28.63*

***Note**: Embodied Carbon, expressed in kilograms of CO$_2$e is calculated using a 48" fixture **and includes the LED driver.**

Click here to learn more *CIBSE, ASHRAE*.

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*

Structure

Rail Lengths	24" (610mm) - 144" (3658mm). Modified lengths available. *See **Rail Length Chart** for more details.*
Rail Dimensions	1.54" (39mm) x 3" (77mm) x length.
Construction	Extruded and machined 6063 aluminum.
Mounting	Clip, Clip with Micro J-Box, Magnet with Tape-On Metal Strip, T-Bar Clips for most grid/panel construction, Strut Channel Clip.
System Run Length	24" (610mm) minimum. Unlimited maximum.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-95%, non-condensing. Suitable for damp locations.
System Weight	0.38lbs per ft (0.17kg 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, red list free.
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant, red list free.
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, Lutron 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
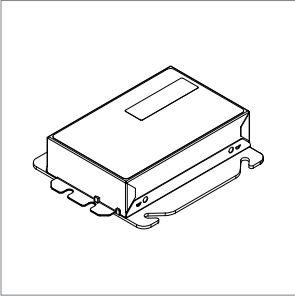
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in^3 (J-Box not provided).
See ***Tech Sheet*** for details.

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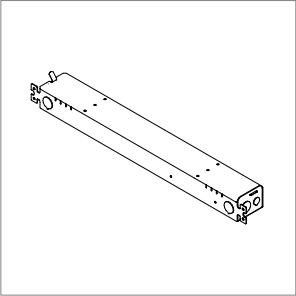
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies.
See ***Tech Sheet*** for details.

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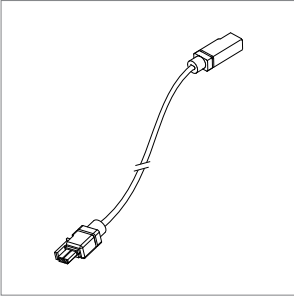
Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m).
See ***Tech Sheet*** for details.

Power and Controls
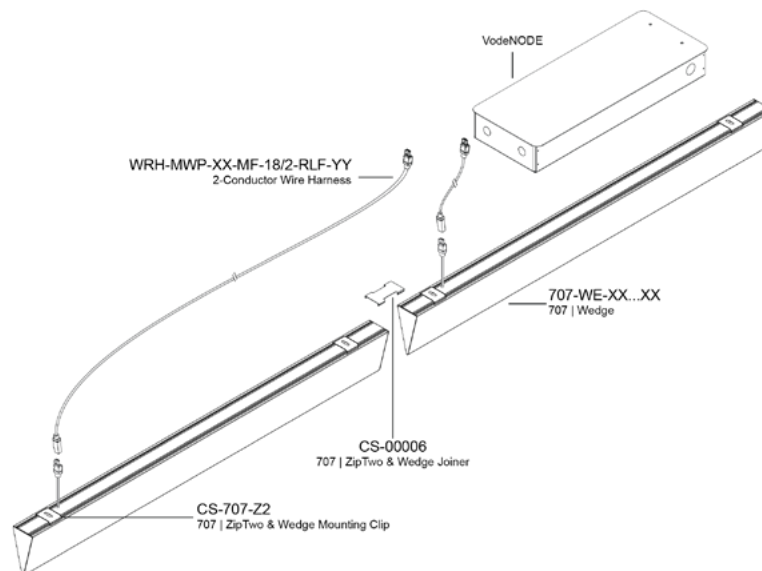
Flexible 1 to 1 power

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.
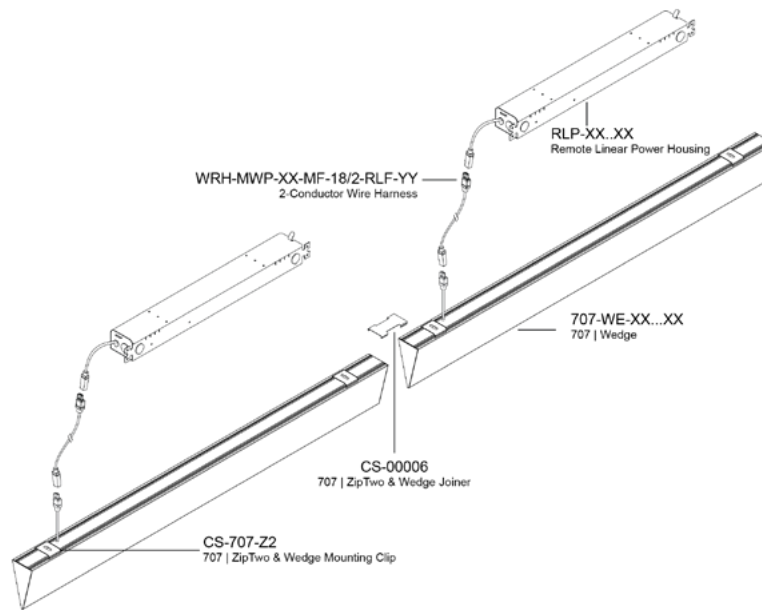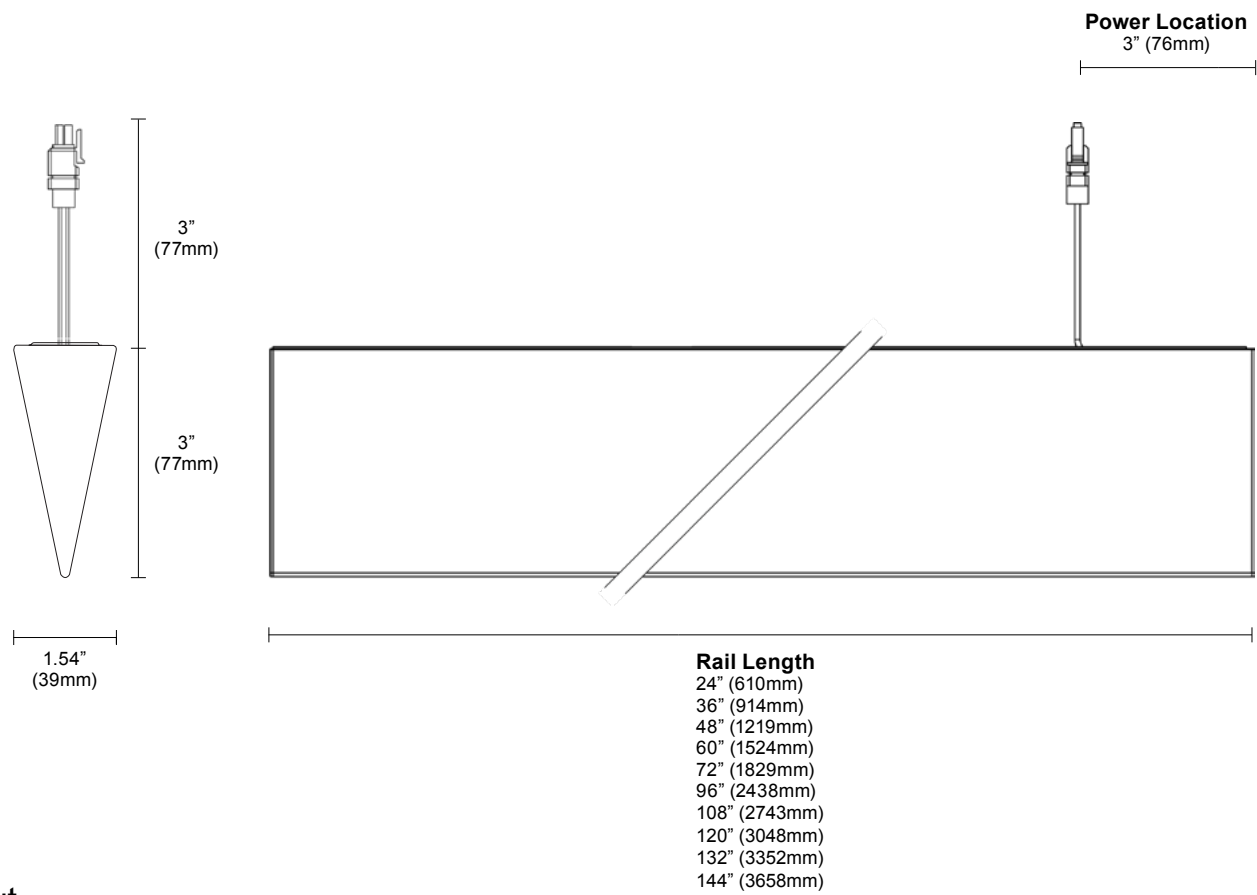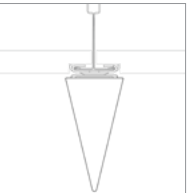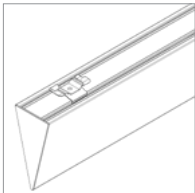

Optimized Power

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

Power Location
3" (76mm)

3"
(77mm)

3"
(77mm)

1.54"
(39mm)

Rail Length
24" (610mm)
36" (914mm)
48" (1219mm)
60" (1524mm)
72" (1829mm)
96" (2438mm)
108" (2743mm)
120" (3048mm)
132" (3352mm)
144" (3658mm)

Layout

LED Driver

LED Driver

LED Driver

End to End
24"(610mm) - 144" (3658mm)

End to End
24"(610mm) - 144" (3658mm)

End to End
24"(610mm) - 144" (3658mm)

LED Driver

LED Driver

LED Driver

End to End
24"(610mm) - 144" (3658mm)

End to End
24"(610mm) - 144" (3658mm)

End to End
24"(610mm) - 144" (3658mm)

Mounting Options

Clip (C)

Clip with Micro J-Box (CM)

Magnet with Tape-On Metal Strip (T)
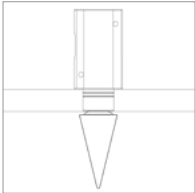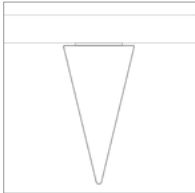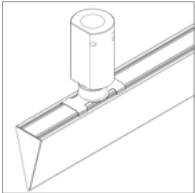
9/16" T-Bar Clip, low profile (T1)

15/16" T-Bar Clip, low profile (T2)

15/16" T-Bar Clip, medium profile (T3)
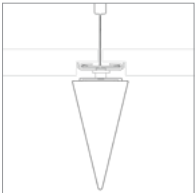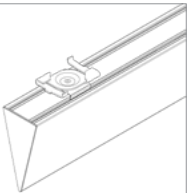
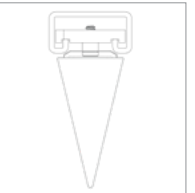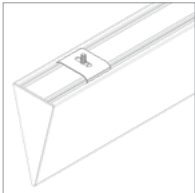15/16" T-Bar Clip, concealed (T4)
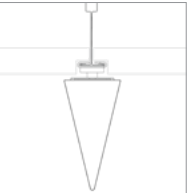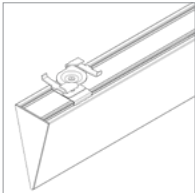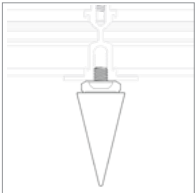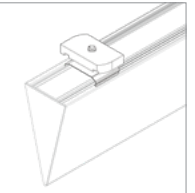

9/16" T-Bar Clip, medium profile (T5)
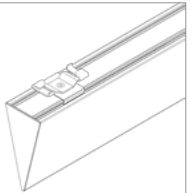
Slotted T-Bar Clip (T6)
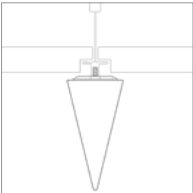
Dimensional T-Bar Clip (T7)
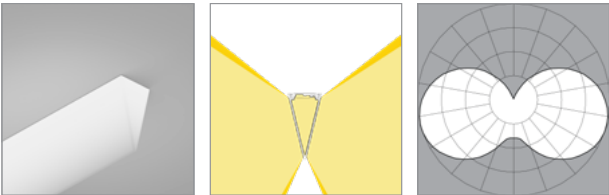

Strut Channel Clip (SC)

Armstrong DynaMax (DM)

See **Wedge Clip Guide** to check compatibility.

Performance | Zipper Board Optics

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

Peak, Diffuse, White Finish (W6-WH)

L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	114	117	120	121
Lumens per foot (305mm)	421	434	443	448
Watts per foot (305mm)	3.8	3.8	3.8	3.8

Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	130	134	137	138
Lumens per foot (305mm)	842	869	887	895
Watts per foot (305mm)	6.5	6.5	6.5	6.5

High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	162	167	171	173
Lumens per foot (305mm)	1600	1651	1685	1701
Watts per foot (305mm)	9.9	9.9	9.9	9.9

Patent Marking

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