

Spec Guide

# Slope | Wedge | 707



Indirect accent lighting and direct corridor lighting applications.



Slope, Asymmetric, White (RA)

## Benefits & Features

### Minimal Profile, Robust Design

Right Triangle, 1.50" (38mm) x 3" (77mm).

### Superior Light Quality & Performance

Output up to 1495 lm/ft (4906 lm/m) (HO), 121 lm/W (SO), 90 CRI & tunable white (2200K-5000K) available.

### Versatile Mounting, Easy Installation

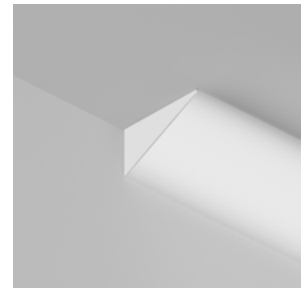
Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.

### Extensive Optics

Options of Slope Asymmetric or Slope Diffuse gives the designers the power to accent a feature or bring visual interest into every corner of their space.



Slope, Asymmetric, White (RA)



Slope, Diffuse, White (R6)

Build Your Specification

707-WE	SL				0	»
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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.	<b>24</b> 24" (610mm) <b>36</b> 36" (914mm) <b>48</b> 48" (1219mm) <b>60</b> 60" (1524mm) <b>72</b> 72" (1829mm) <b>96</b> 96" (2438mm) <b>108</b> 108" (2743mm) <b>120</b> 120" (3048mm) <b>132</b> 132" (3352mm) <b>144</b> 144" (3658mm) <b>ZZ</b> Other rail length or layout (please specify) See <a href="#">Rail Length Chart</a> for more details.	<b>C</b> Clip <b>CM</b> Clip with Micro J-Box <sup>1</sup> <b>T</b> Magnet with Tape-On Metal Strip <sup>2</sup> <b>T1</b> 9/16" T-Bar Clip, low profile <b>T2</b> 15/16" T-Bar Clip, low profile <b>T3</b> 15/16" T-Bar Clip, medium profile <b>T4</b> 15/16" T-Bar Clip, concealed <b>T5</b> 9/16" T-Bar Clip, medium profile <b>T6</b> Slotted T-Bar Clip <b>T7</b> Dimensional T-Bar Clip <b>SC</b> Strut Channel Clip <b>DM</b> Armstrong DynaMax <b>ZZ</b> Other (please specify)	<b>0</b> None

**▲ Custom lengths may result in light gaps on the fixture. See [Rail Length Chart](#) for more details.**

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Power Location	Power Type
<b>Remote Power</b> <b>RP10</b> 10' (3.048m) Wire Harness <b>RP25</b> 25' (7.62m) Wire Harness <b>RP50</b> 50' (15.24m) Wire Harness <b>RP75</b> 75' (22.86m) Wire Harness <b>RP100</b> 100' (30.48m) Wire Harness	<b>Flexible 1 to 1 Power</b> <b>AE</b> 0-10V, 1.0% Dimming <b>AT</b> 0-10V, 0.1% Dimming <b>AD</b> DALI, 0.1% Dimming <b>AX</b> DMX, 100-0% Dimming <b>AH</b> Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE <sup>1</sup> <b>AH2</b> ELV 1% 2-wire (Forward and Reverse Phase)  <b>Optimized Power*</b> *Add 'O' to power type example: AEO, ATO...etc. <sup>3</sup> <b>AEO</b> 0-10v, 1.0% Dimming, Optimized Power <b>ATO</b> 0-10V, 0.1% Dimming, Optimized Power <b>ADO</b> DALI, 0.1% Dimming, Optimized Power <b>AXO</b> DMX, 100-0% Dimming, Optimized Power <b>ZZ</b> Other (please specify)
	<b>Flexible 1 to 1 Power with VodeNODE*</b> *Add 'N' to the end of spec code to indicate VodeNODE <sup>4</sup> <b>AEN</b> 0-10v, 1.0% Dimming with VodeNODE <b>ATN</b> 0-10V, 0.1% Dimming with VodeNODE <b>ADN</b> DALI, 0.1% Dimming with VodeNODE <b>AXN</b> DMX, 100-0% Dimming with VodeNODE <b>AHN</b> Lutron Hi-lume 1% EcoSystem (LDE1) with VodeNODE  <b>Optimized Power with VodeNODE*</b> *Add 'ON' to the end of spec code to indicate VodeNODE <sup>4</sup> <b>AEON</b> 0-10v, 1.0% Dimming, Optimized Power with VodeNODE <b>ATON</b> 0-10v, 0.1% Dimming, Optimized Power with VodeNODE <b>ADON</b> DALI, 0.1% Dimming, Optimized Power with VodeNODE <b>AXON</b> DMX,100-0% Dimming, Optimized Power with VodeNODE <b>ADON</b> DALI, 0.1% Dimming, Optimized Power with VodeNODE <b>AXON</b> DMX,100-0% Dimming, Optimized Power with VodeNODE

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Voltage	Emergency Power	LED Type	Lumen Output	Color Temperature	Optics
<b>1</b> 120V <b>2</b> 120V - 277V <b>X</b> Not Yet Specified	<b>0</b> No Emergency Power <b>ZZ</b> Emergency Power (specify requirements)	<b>Z</b> Zipper Board	<b>LO</b> Low Output <b>SO</b> Standard Output <b>HO</b> High Output <b>ZZ</b> Other (please specify) See <a href="#">IES Files</a> page for details. See <a href="#">Power Guide</a> for driver features & limitations.	<b>90+ CRI</b> <b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K  <b>ZZ</b> Tunable White Available <a href="#">See Guide</a> for details	<b>RA</b> Clear Asymmetric <b>R6</b> Diffuse

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Sensors	Finish	Options
<b>0</b> None	<b>WH</b> White <b>BL</b> Black	<b>0</b> None <b>9</b> 9' 18/3 Cord and Plug

**NOTES & LIMITATIONS**

- <sup>1</sup> Mounting type available with Chicago Plenum.
- <sup>2</sup> Magnet mount not recommended for wall applications in accessible high traffic areas. Clip (C) mounting is recommended instead.
- <sup>3</sup> Optimized Power is not available with Hi-lume 1% EcoSystem (AHO) Power Type.
- <sup>4</sup> VodeNODE enclosure is not available with Hi-lume 1% 2-wire (AH2) Power Type.



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, Slope | Clear Asymmetric | 707, White (RA-WH)




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

# 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)<sup>1</sup>; Copper; **Fluorinated Ethylene Propylene (masterbatch)**<sup>2</sup>; 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

<sup>1</sup>LBC Temp Exception RL-002 - Small Electrical Components  
<sup>2</sup>LBC 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](https://www.living-future.org/declare)



## Structure

Rail Lengths	24" (610mm) - 144" (3658mm). Modified lengths available. See <a href="#">Rail Length Chart</a> for more details.
Rail Dimensions	1.50" (38mm) x 3.00" (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

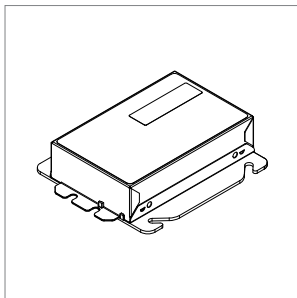
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910, red list free.
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, 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 <a href="#">Power Guide</a> 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 <a href="#">Power Guide</a> for details.

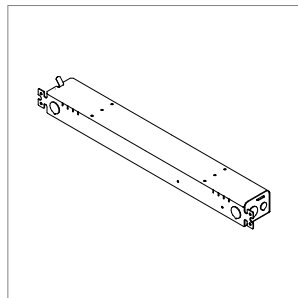
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive.

### Remote Brick Power Housing



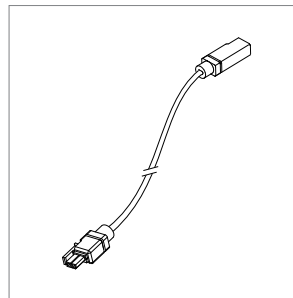
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in<sup>3</sup> (J-Box not provided). See [Tech Sheet](#) for details.

### 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

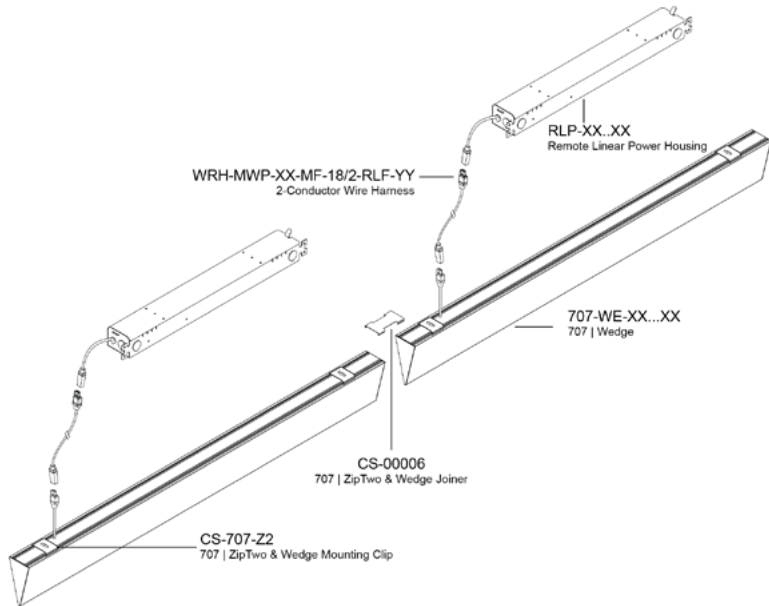


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m). See [Tech Sheet](#) for details.

## Power and Controls

### Flexible 1 to 1 power

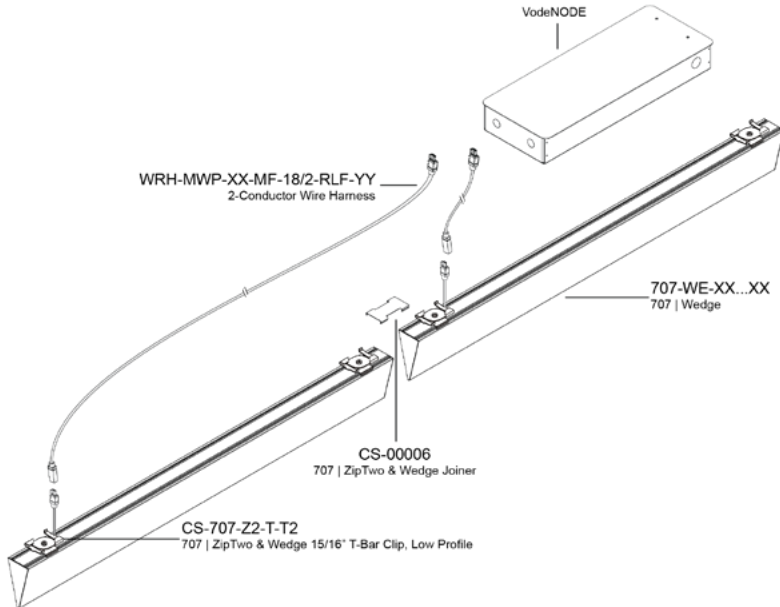
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#)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



### Optimized Power

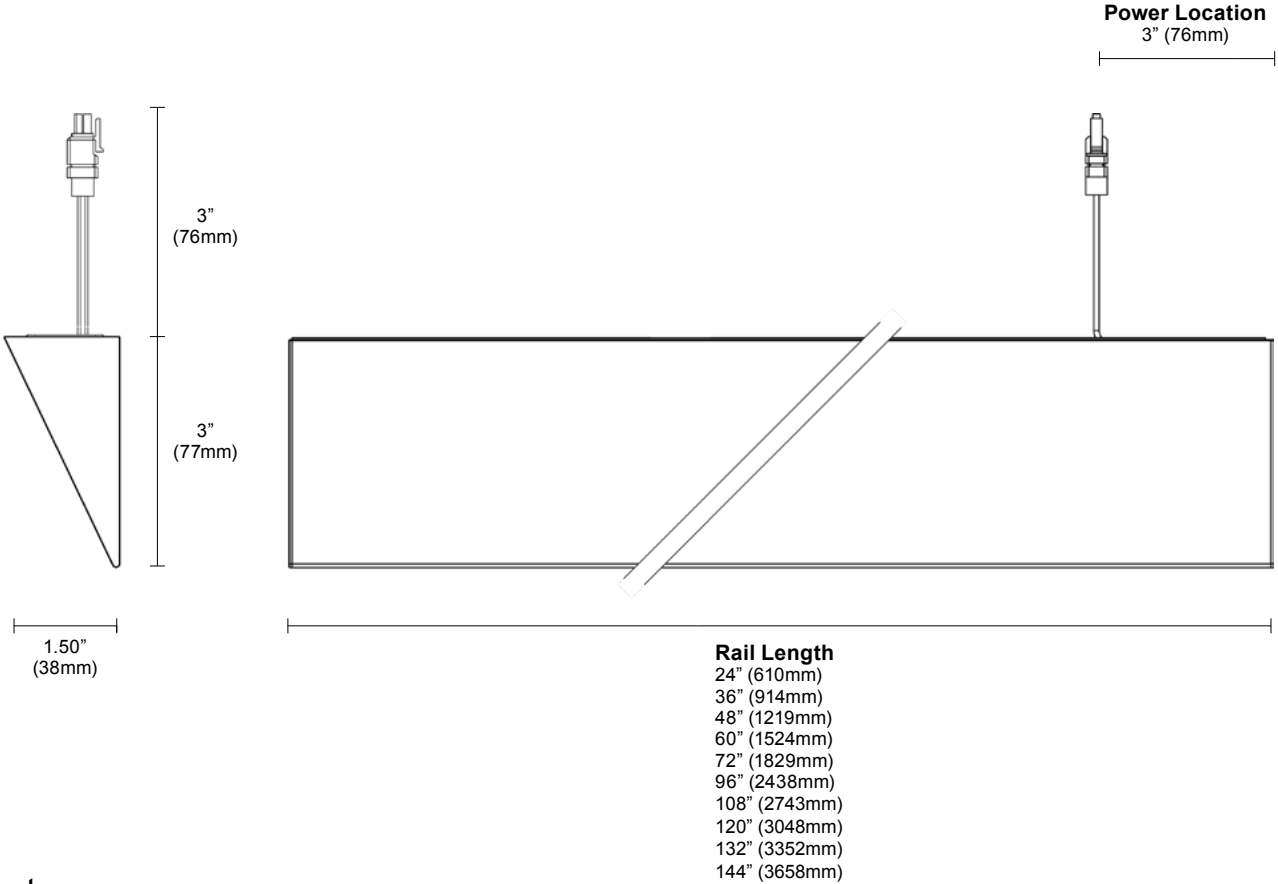
To optimize power, Vode configures specifications with drivers that have 2 or 4 outputs. Depending on system configurations and power requirements, up to 4 fixtures can be powered from a 4-output driver. Consult [Power Guide](#) to determine which type you will receive.

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

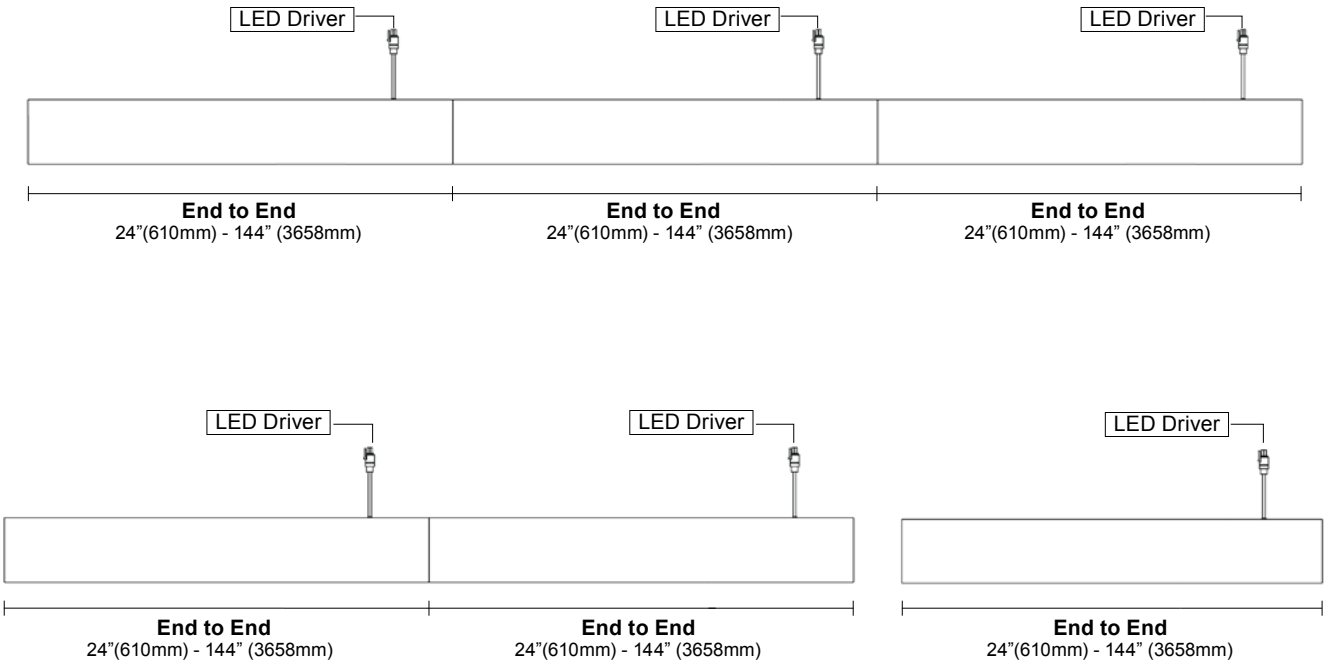


Note: Drawings not to scale, for reference only.

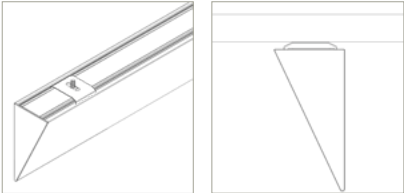
Dimensions



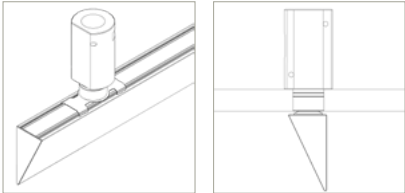
Layout



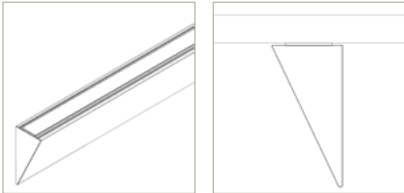
# Mounting Options



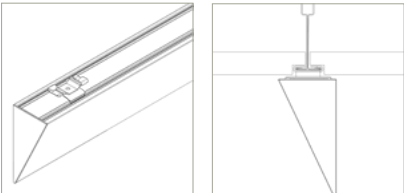
Clip (C)



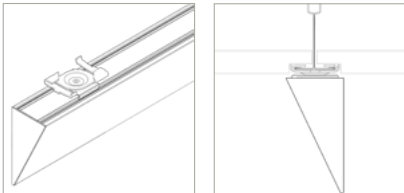
Clip with Micro J-Box (CM)



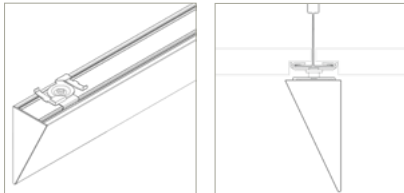
Magnet with Tape-On Metal Strip (T)



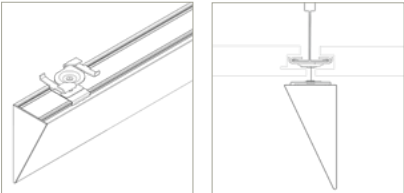
9/16" T-Bar Clip, low profile (T1)



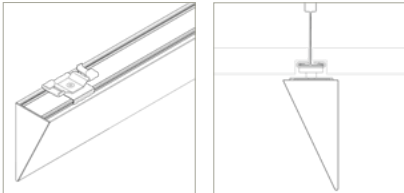
15/16" T-Bar Clip, low profile (T2)



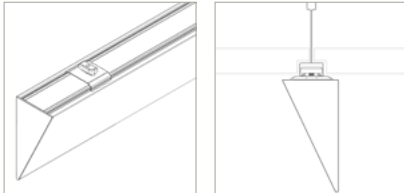
15/16" T-Bar Clip, medium profile (T3)



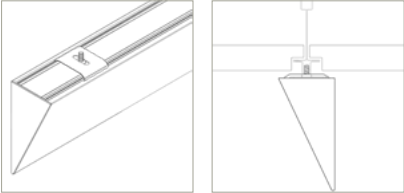
15/16" T-Bar Clip, concealed (T4)



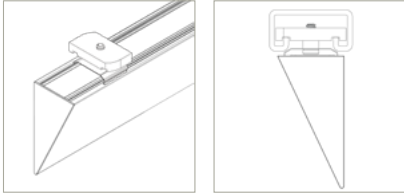
9/16" T-Bar Clip, medium profile (T5)



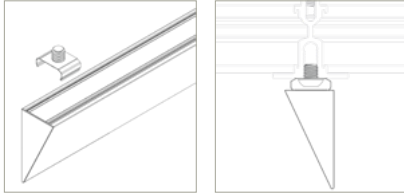
Slotted T-Bar Clip (T6)



Dimensional T-Bar Clip (T7)



Strut Channel Clip (SC)



Armstrong DynaMax (DM)

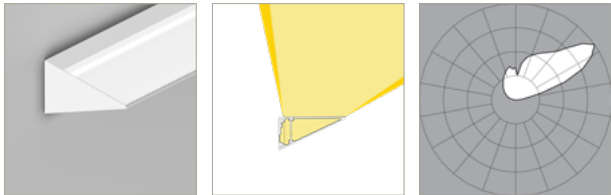
See [Wedge Clip Guide](#) to check compatibility.



# Performance | Zipper Board Optics

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

## Slope, Asymmetric, White Finish (RA-WH)



L80 >60,000 hours

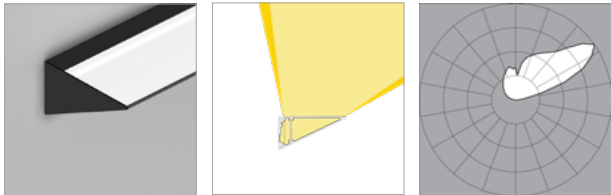
90 CRI (90min., 96 avg.)

<b>Low Output (LO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	92	93
Lumens per foot (305mm)	322	332	339	343
Watts per foot (305mm)	3.8	3.8	3.8	3.8

<b>Standard Output (SO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	99	102	104	105
Lumens per foot (305mm)	645	665	679	685
Watts per foot (305mm)	6.6	6.6	6.6	6.6

<b>High Output (HO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	124	128	131	132
Lumens per foot (305mm)	1225	1263	1289	1302
Watts per foot (305mm)	9.9	9.9	9.9	9.9

## Slope, Asymmetric, Black Finish (RA-BL)



L80 >60,000 hours

90 CRI (90min., 96 avg.)

<b>Low Output (LO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	92	93
Lumens per foot (305mm)	322	332	339	343
Watts per foot (305mm)	3.8	3.8	3.8	3.8

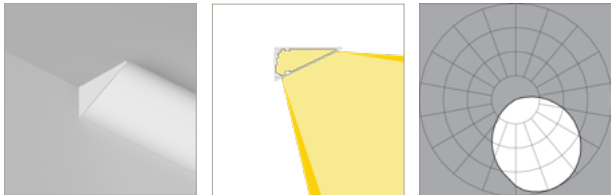
<b>Standard Output (SO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	99	102	104	105
Lumens per foot (305mm)	645	665	679	685
Watts per foot (305mm)	6.6	6.6	6.6	6.6

<b>High Output (HO)</b>	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	124	128	131	132
Lumens per foot (305mm)	1225	1263	1289	1302
Watts per foot (305mm)	9.9	9.9	9.9	9.9

# Performance | Zipper Board Optics

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

Slope, Diffuse, White Finish (R6-WH)



L80 >60,000 hours

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

**Low Output (LO)**

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	80	83	85	85
Lumens per foot (305mm)	297	307	313	316
Watts per foot (305mm)	3.8	3.8	4	3.8

**Standard Output (SO)**

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	92	95	97	98
Lumens per foot (305mm)	594	613	626	632
Watts per foot (305mm)	6.6	6.6	6.6	6.6

**High Output (HO)**

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	115	118	121	122
Lumens per foot (305mm)	1129	1165	1189	1201
Watts per foot (305mm)	9.9	9.9	9.9	9.9