

## 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

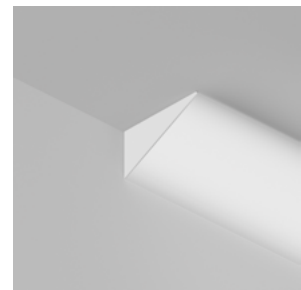
Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.

### 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) <i>See <a href="#">Rail Length Chart</a> for more details.</i>	<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>Flexible 1 to 1 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>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) <sup>6</sup>
	<b>Flexible 1 to 1 Power with VodeNODE*</b> <i>*Add 'N' to the end of spec code to indicate VodeNODE <sup>4</sup></i> <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*</b> <i>*Add 'O' to power type example: AEO, ATO...etc. <sup>3</sup></i> <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>Optimized Power with VodeNODE*</b> <i>*Add 'ON' to the end of spec code to indicate VodeNODE <sup>4</sup></i> <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) <i>See <a href="#">IES Files</a> page for details. See <a href="#">Power Guide</a> for driver features &amp; limitations.</i>	<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 <i>See <a href="#">Guide</a> for details</i>	<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>0</b> None <b>9</b> 9' 18/3 Cord and Plug <b>CPS</b> Chicago Plenum Fixture Adapter & Power <b>CPP</b> Chicago Plenum Power <b>CPA</b> Chicago Plenum Fixture Adapter



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.  
<sup>5</sup> RGBW available. Contact [Vode](#) for more information.  
<sup>6</sup> 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, Slope | Clear Asymmetric | 707, White (RA-WH)



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



# Sustainability & Certifications

## DECLARE

International Living Future Institute (ILFI)

Red List  
Approved

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



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 Slope | Surface Mounted  
**Embodied Carbon (kg CO<sub>2</sub>e):** 28.63\*

\***Note:** Embodied Carbon, expressed in kilograms of CO<sub>2</sub>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](mailto: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 <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

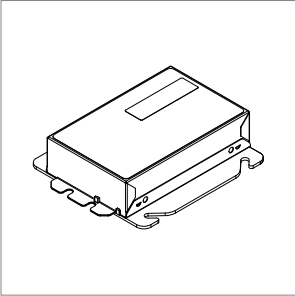
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910, red list free.
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free,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

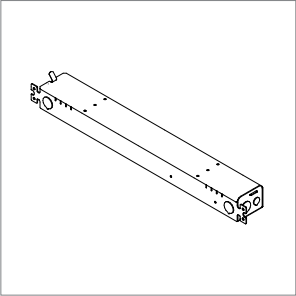
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive.

Remote Brick Power Housing



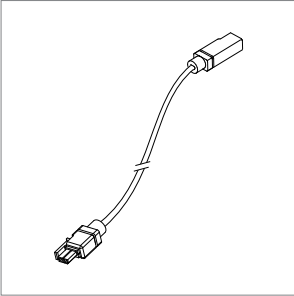
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

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

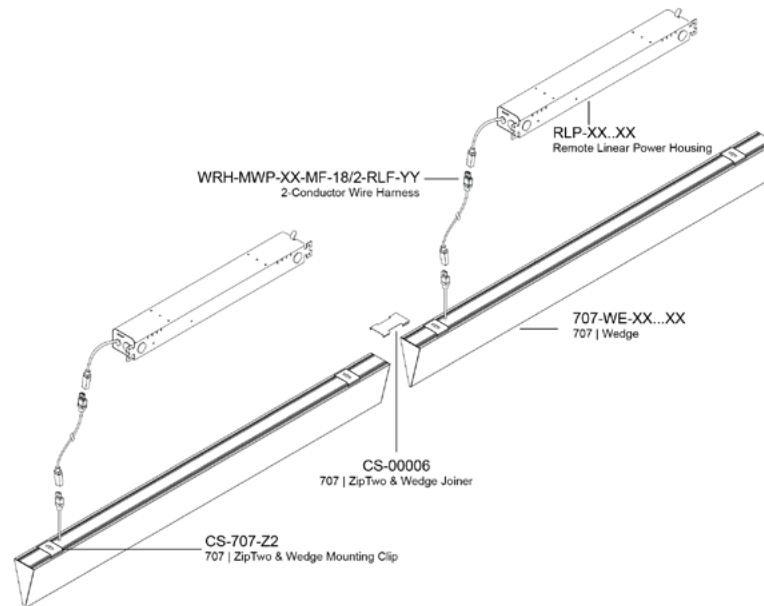


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m). See [Tech Sheet](#) for details.

## Power and Controls

### Flexible 1 to 1 power

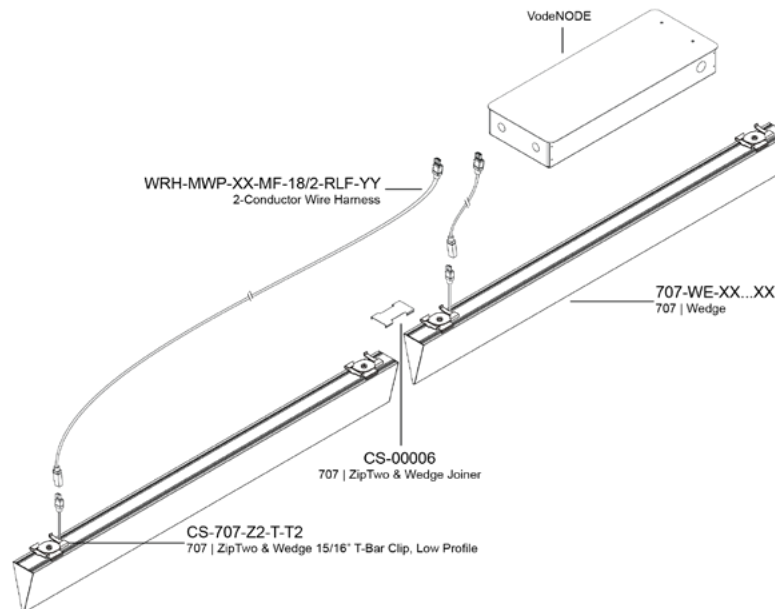
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#)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



### Optimized Power

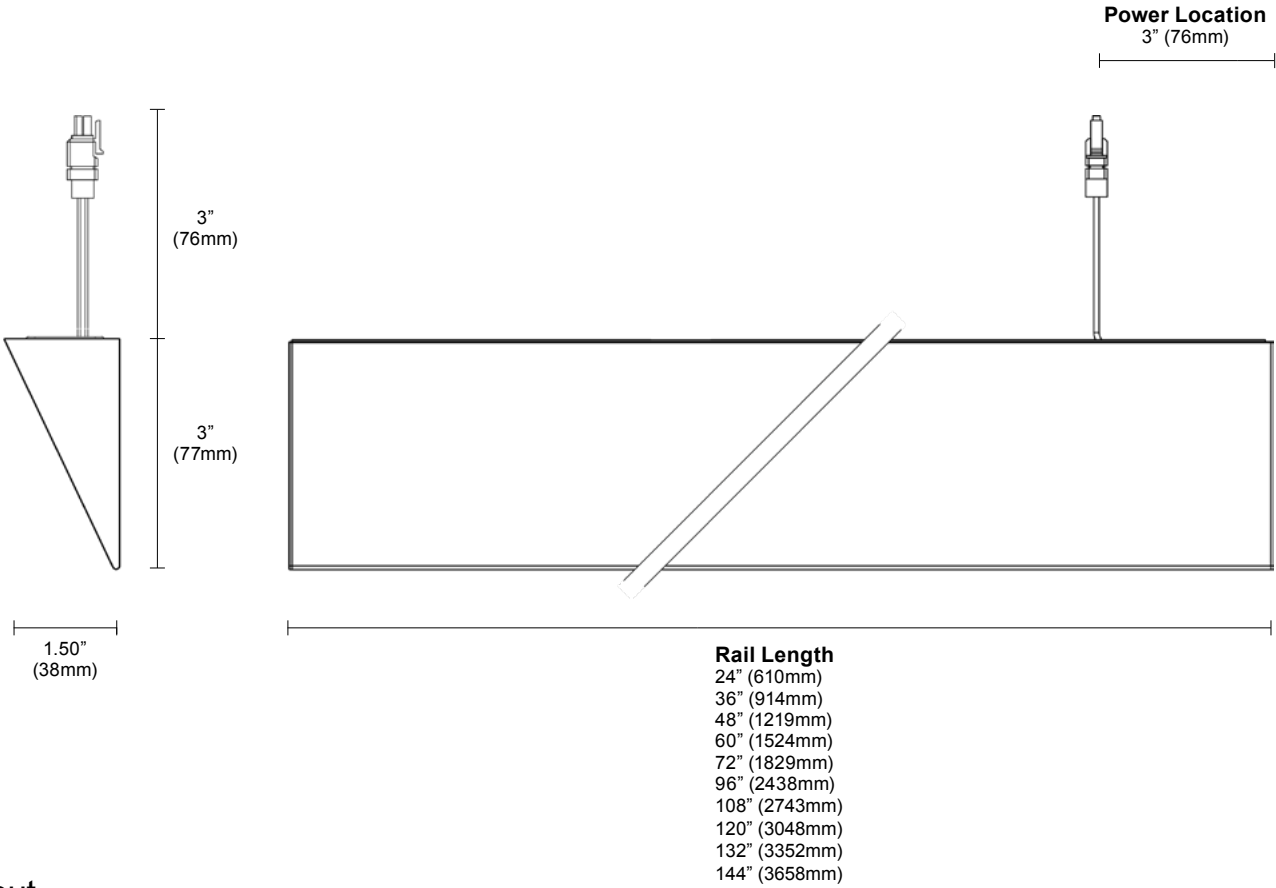
To optimize power, Vode configures specifications with drivers that have 2 or 4 outputs. Depending on system configurations and power requirements, up to 4 fixtures can be powered from a 4-output driver. Consult [Power Guide](#) to determine which type you will receive.

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

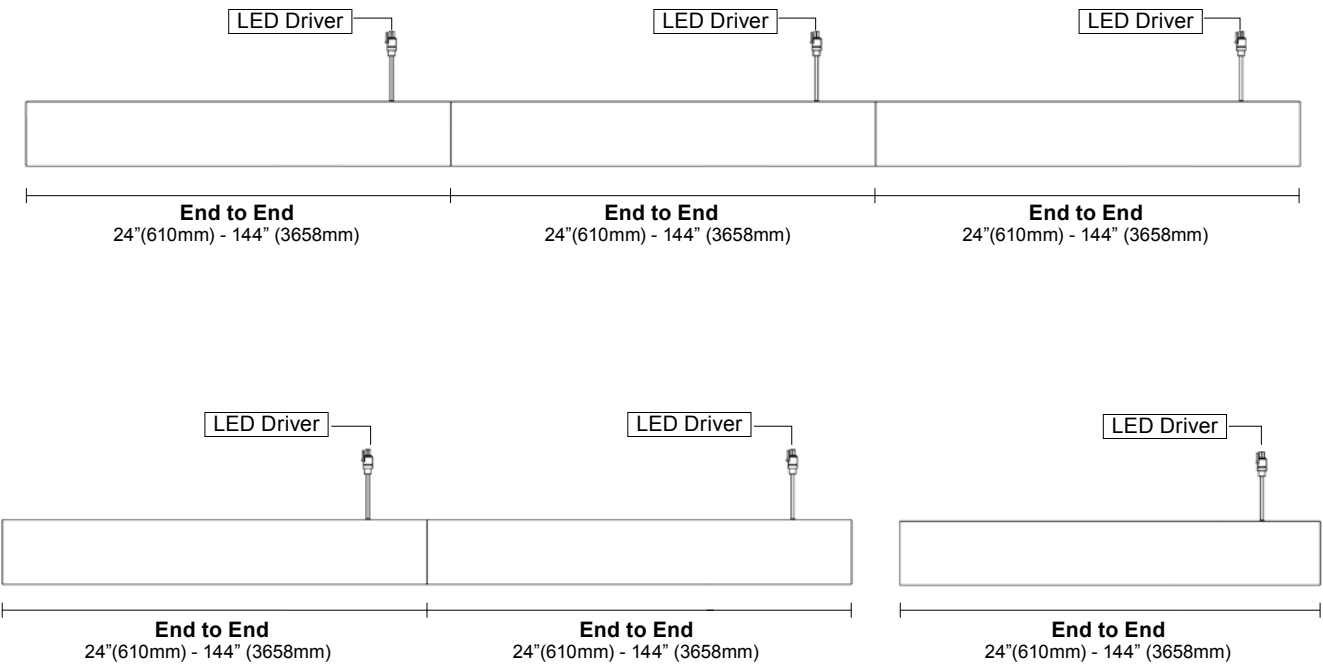


**Note:** Drawings not to scale, for reference only.

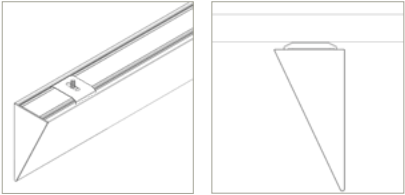
# Dimensions



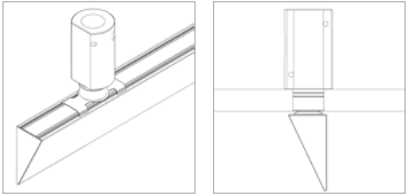
# Layout



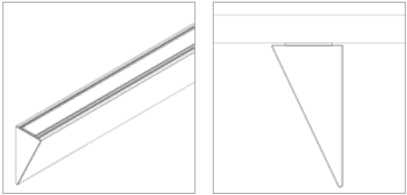
Mounting Options



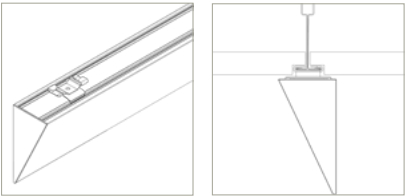
Clip (C)



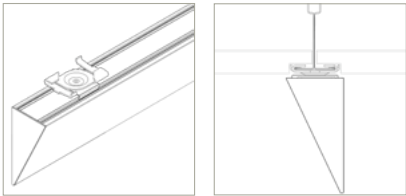
Clip with Micro J-Box (CM)



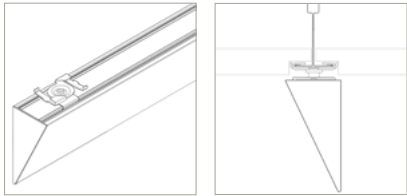
Magnet with Tape-On Metal Strip (T)



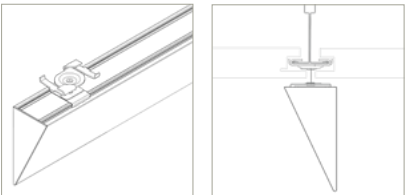
9/16" T-Bar Clip, low profile (T1)



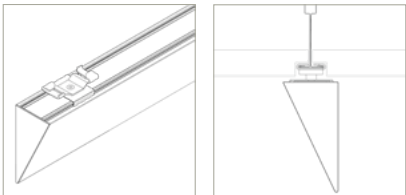
15/16" T-Bar Clip, low profile (T2)



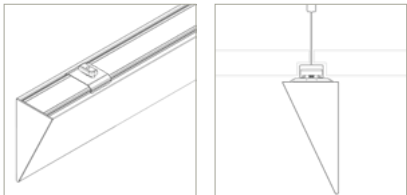
15/16" T-Bar Clip, medium profile (T3)



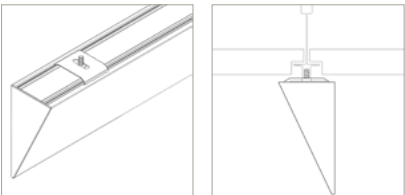
15/16" T-Bar Clip, concealed (T4)



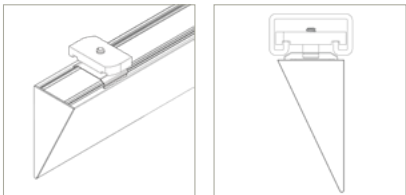
9/16" T-Bar Clip, medium profile (T5)



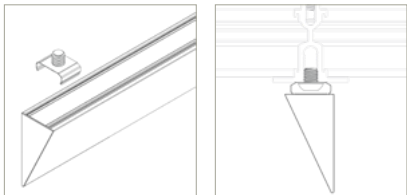
Slotted T-Bar Clip (T6)



Dimensional T-Bar Clip (T7)



Strut Channel Clip (SC)



Armstrong DynaMax (DM)

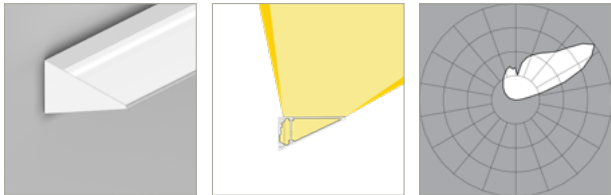
See [Wedge Clip Guide](#) to check compatibility.



## 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.)

#### Low Output (LO)

Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

2700K	3000K	3500K	4000K
87	90	92	93
322	332	339	343
3.8	3.8	3.8	3.8

#### Standard Output (SO)

Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

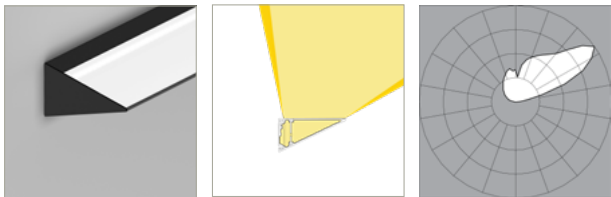
2700K	3000K	3500K	4000K
99	102	104	105
645	665	679	685
6.6	6.6	6.6	6.6

#### High Output (HO)

Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

2700K	3000K	3500K	4000K
124	128	131	132
1225	1263	1289	1302
9.9	9.9	9.9	9.9

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



L80 >60,000 hours

90 CRI (90min., 96 avg.)

#### Low Output (LO)

Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

2700K	3000K	3500K	4000K
87	90	92	93
322	332	339	343
3.8	3.8	3.8	3.8

#### Standard Output (SO)

Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

2700K	3000K	3500K	4000K
99	102	104	105
645	665	679	685
6.6	6.6	6.6	6.6

#### High Output (HO)

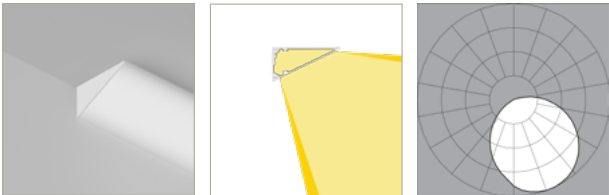
Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

2700K	3000K	3500K	4000K
124	128	131	132
1225	1263	1289	1302
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)**

Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

2700K	3000K	3500K	4000K
80	83	85	85
297	307	313	316
3.8	3.8	4	3.8

**Standard Output (SO)**

Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

2700K	3000K	3500K	4000K
92	95	97	98
594	613	626	632
6.6	6.6	6.6	6.6

**High Output (HO)**

Efficacy - Lumens per Watt  
Lumens per foot (305mm)  
Watts per foot (305mm)

2700K	3000K	3500K	4000K
115	118	121	122
1129	1165	1189	1201
9.9	9.9	9.9	9.9

## Patent Marking

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