

### Spec Guide

## ZipTwo® | Square 3535 | 707

Direct lighting for open office and ambient applications.



Square 3535, Critical Edge, white

### Benefits & Features

#### Low Profile Design

Square profile. 1.38" (35mm) x 1.42" (36mm).

#### Superior Light Quality & Performance

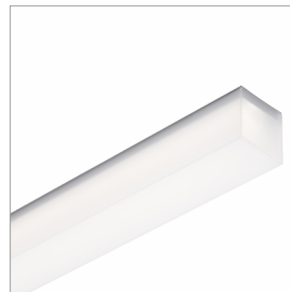
Output up to 1316 lm/ft (4318 lm/m) (HO), 135 lm/W (SO). 80 or 90 CRI & tunable white (2200K-5000K) available.

#### Versatile Mounting, Easy Installation

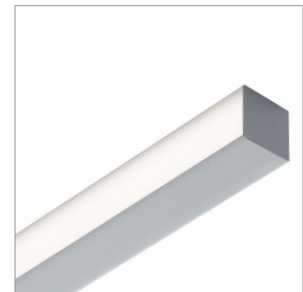
Magnet with tape-on metal strip or low profile clip allow for mounting to almost any surface or T-Bar ceiling.

#### Extensive Optics

Options of Diffuse, Critical Edge, and Side Diffuse give designers the power to create and design their space using one product.



Square 3535, Diffuse, white



Square 3535, Side Diffuse, white

## Build Your Specification

<b>707-Z2</b>	<b>SL</b>				<b>0</b> >>
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System & Rail Type	System Type	System Length	Rail Length	Mounting	Arm/Cord Length
707-Z2 ZipTwo	SL Standard Linear	Specify overall system length in ft/in or M/mm.  <i>Corner and Shapes Available See Guide for details</i>	<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 Rail Length Chart for more details</i>	<b>C</b> Clip <b>CM</b> Clip with Micro J-Box <b>T</b> Magnet with Tape-On Metal Strip <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

>> <b>RP</b>				<b>Z</b> >>
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Power Location	Power Type	Voltage	Emergency Power	LED Type
Remote Power	Flexible 1 to 1 Power	<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 <i>(specify requirements)</i>	<b>Z</b> Zipper Board™ <b>ZZ</b> Zipper Board™
<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> eldoLED 0-10v, 1.0% Dimming <b>AT</b> eldoLED 0-10v, 0.1% Dimming <b>AD</b> eldoLED DALI, 0.1% Dimming <b>AX</b> eldoLED DMX, 100-0% Dimming <b>AH</b> Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE1 <b>AH2</b> Hi-lume 1% 2-wire LTEA2W (120V forward phase only)  <b>Optimized Power</b> <b>AEO</b> eldoLED 0-10v, 1.0% Dimming <b>ATO</b> eldoLED 0-10v, 0.1% Dimming <b>ADO</b> eldoLED DALI, 0.1% Dimming <b>AXO</b> eldoLED DMX, 100-0% dimming <b>ZZ</b> Other (please specify)  <i>*See Power Guide for driver features &amp; limitations.</i>			

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Lumen Output	Color Temperature	Optics	Sensors
<b>LO</b> Low Output <b>SO</b> Standard Output <b>HO</b> High Output* <b>ZZ</b> Other (please specify)  <i>See IES Files page for details.</i> <i>*See Power Guide for driver features &amp; limitations.</i>	<b>80+ CRI</b> <b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K  <b>90+ CRI</b> <b>279</b> 2700K <b>309</b> 3000K <b>359</b> 3500K <b>409</b> 4000K  <b>ZZ</b> Tunable White Available <i>See Guide for details</i>	<b>S5</b> Square 3535, Critical Edge <b>S6</b> Square 3535, Diffuse <b>S9</b> Square 3535, Side Diffuse <b>SA</b> Square 3535, Single Side Diffuse	<b>0</b> None <b>ZZ</b> Other (please specify) <sup>1</sup>

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Finish	Options
<b>WH</b> White <b>BL</b> Black	<b>0</b> None <b>9</b> 9' 18/3 Cord and Plug <b>CP</b> Contact factory for Chicago Plenum

### NOTES & LIMITATIONS

<sup>1</sup> Sensors are available please contact [Vode](#) for more information.

5 Year Limited Warranty. See full Vode warranty description [here](#) or at [vode.com](#).

Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA.

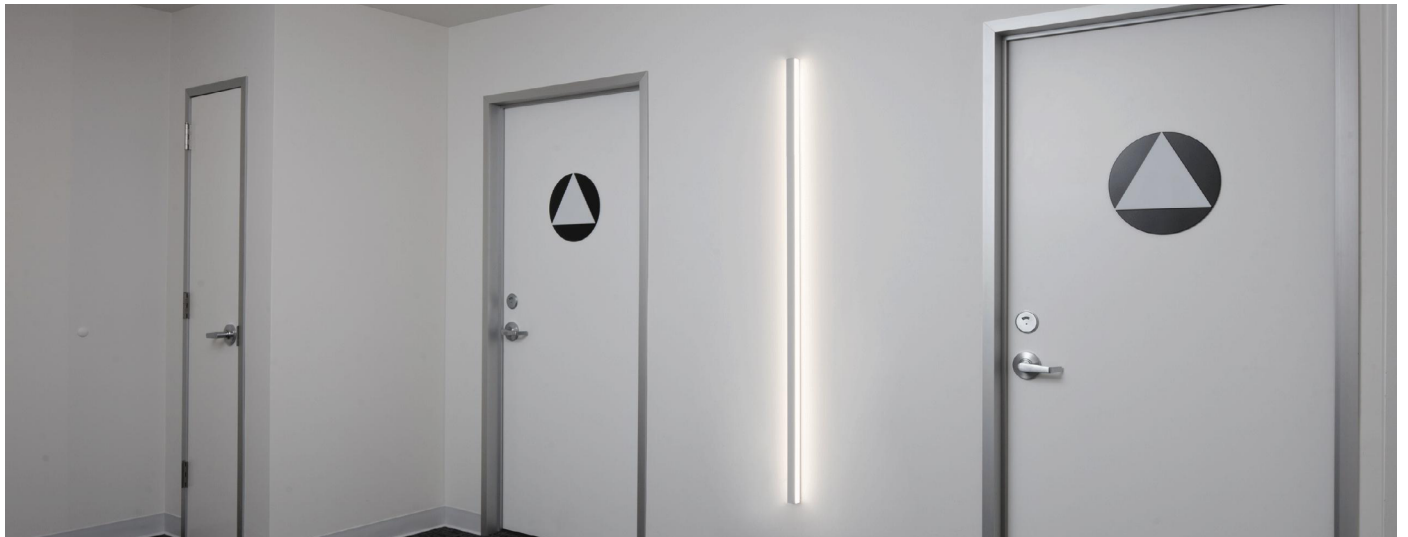


## Applications

### General Interior and Open Office



Confidential Client



Vode Headquarters, Sonoma, CA



Open Office



## Applications

### General Interior and Open Office



Open Office



Conference Room



## Structure

Rail Lengths	24" (610mm) - 144" (3658mm) See <a href="#">Rail Length Chart</a> for more details.
Rail Dimensions	1.38" (35mm) x 1.42" (36mm). See dimensions section for details
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.
Run Length	24" (610mm) minimum. Rail lengths may be installed end-to-end to any length.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-95%, non-condensing. Suitable for damp locations.
System Weight	0.25lbs per ft (0.11kg per 305mm). <i>Power supply and housing not included.</i>

## Materials

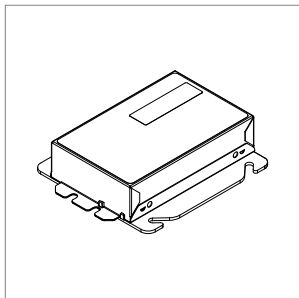
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910 ( <i>PVC free in 2020</i> )
Cable Connectors	Unfilled black nylon, rated UL 94 V-0,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

## 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.

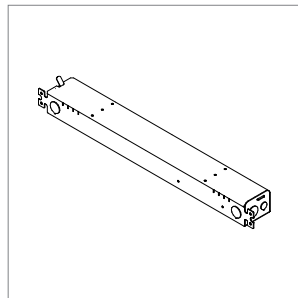
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive.

### Remote Brick Power Housing



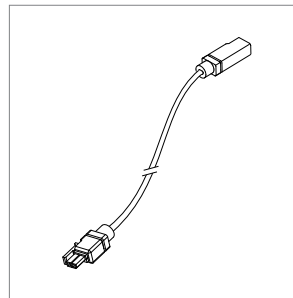
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in<sup>3</sup> (J-Box not provided). See [Tech Sheet](#) for details.

### 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

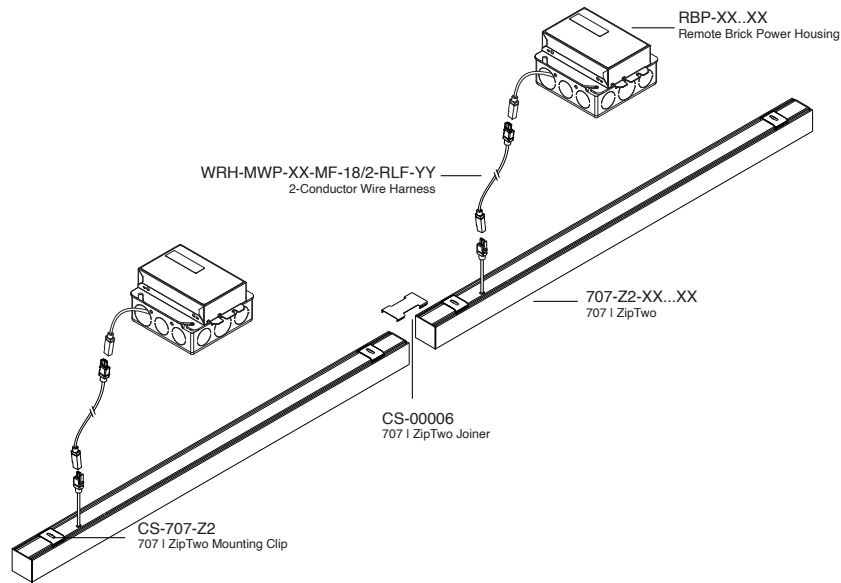


Wire harness connects driver to rail. Wire harness is 25' (7.6m) with micro fit molex connectors for quick and easy installation. Multiple harnesses can be combined for a total length of up to 100' (30.5m). See [Tech Sheet](#) for details.

## Power and Controls

### Flexible 1 to 1 power

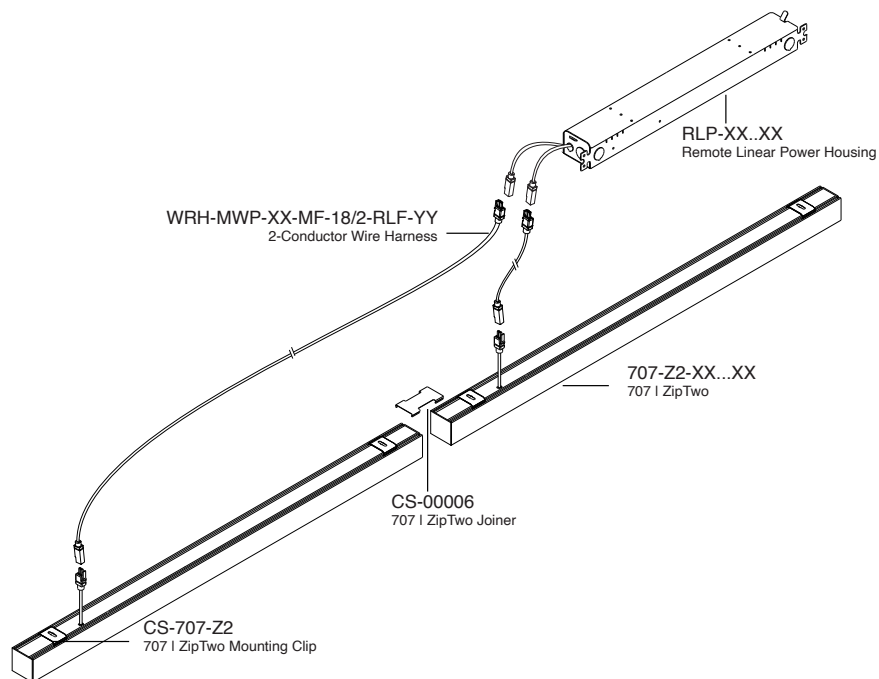
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#)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



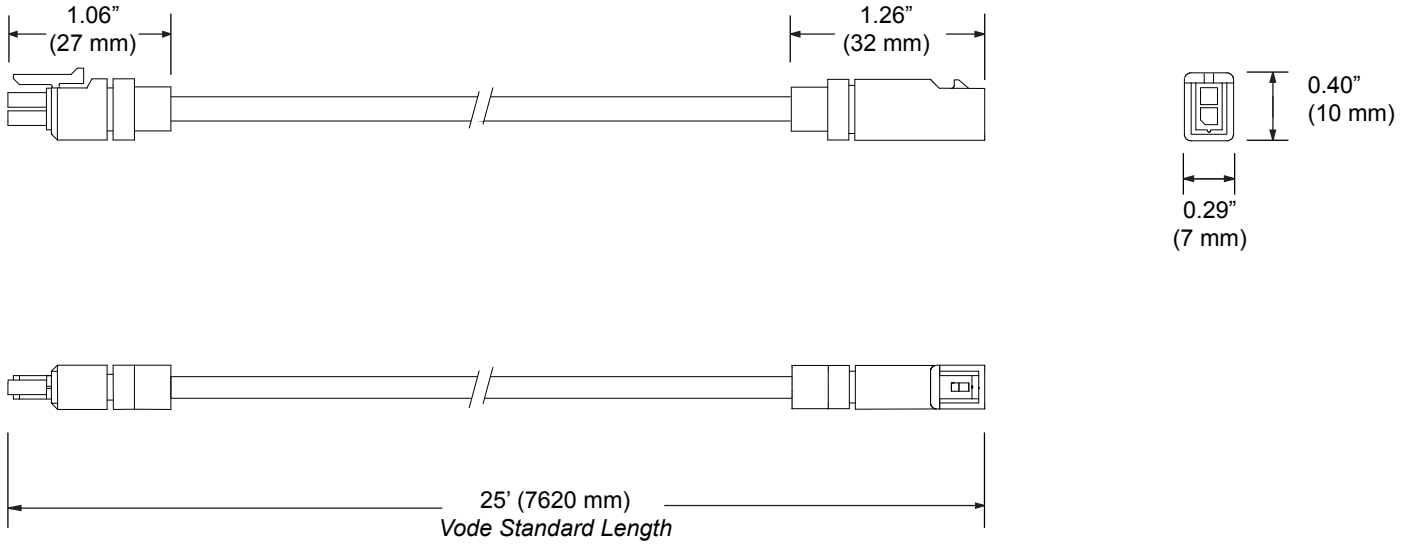
Note: Drawings not to scale, for reference only.



## Power and Controls

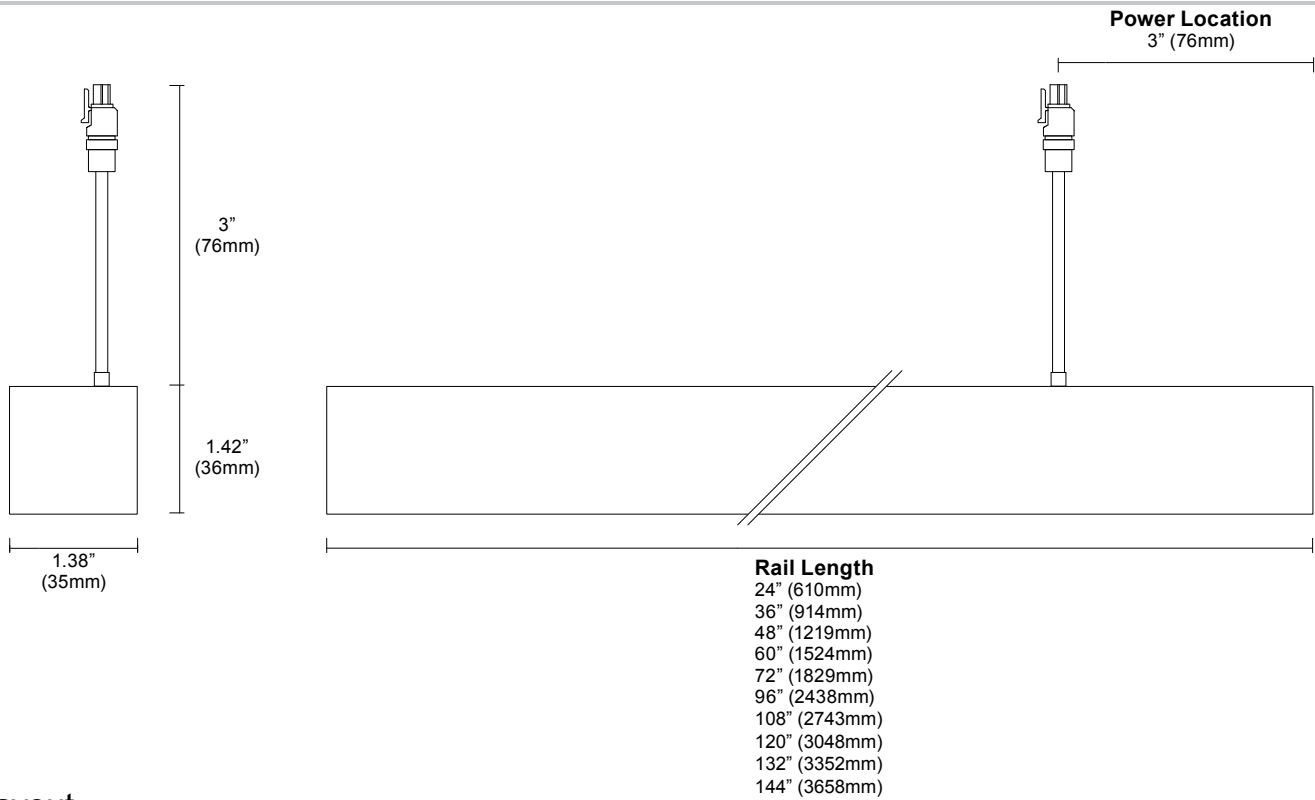
### Wire Harness

Low voltage wire harness connects driver to rail. Wire harness is 25' (7.6m) 18/2 AWG stranded wire with provided micro fit molex connectors on either end for quick and easy installation. Multiple harnesses can be combined for a total length of up to 100' (30.5m). Refer to Vode Power Guide for max remote distance based on power selection. Consult [Power Guide](#) to determine which type you will receive.

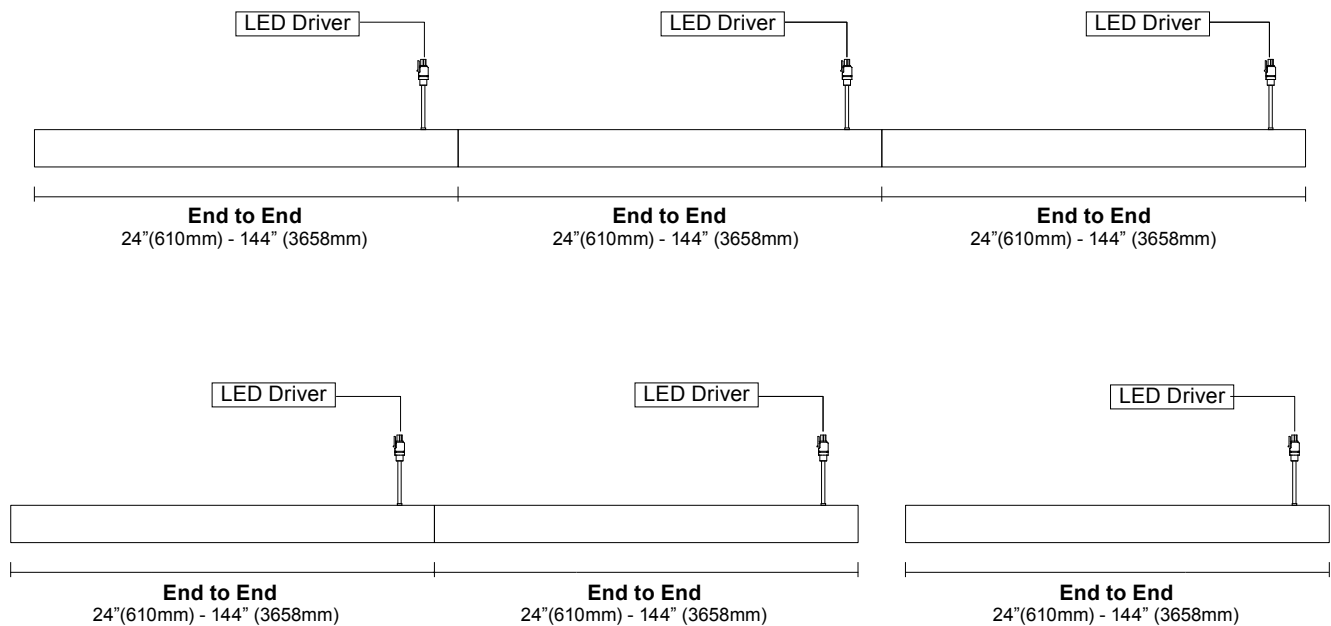


Note: Drawings not to scale, for reference only.

## Dimensions



## Layout

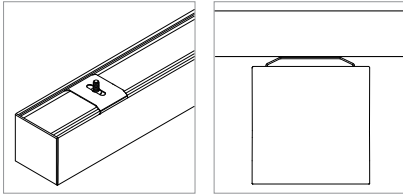


Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag)

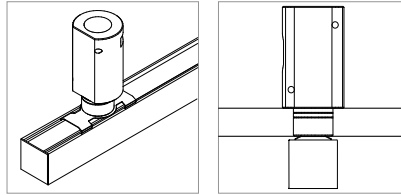
[See Guide](#) for details



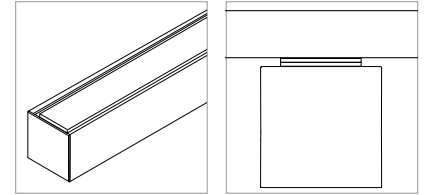
## Mounting Options



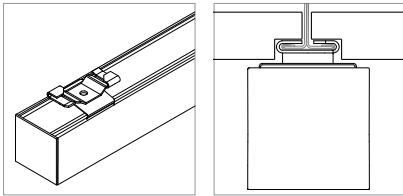
Clip (C)



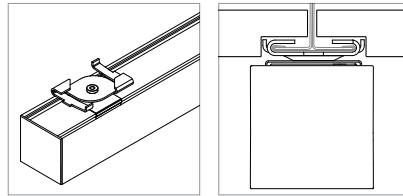
Clip with Micro J-Box (CM)



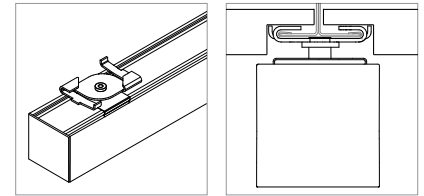
Magnet with Tape-On Metal Strip (T)



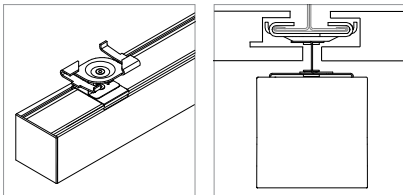
9/16" T-Bar Clip, low profile (T1)



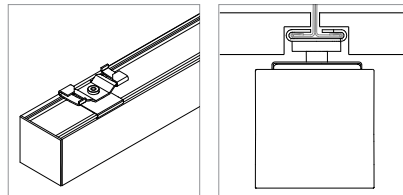
15/16" T-Bar Clip, low profile (T2)



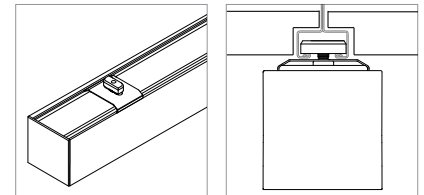
15/16" T-Bar Clip, medium profile (T3)



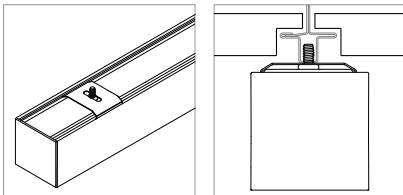
15/16" T-Bar Clip, concealed (T4)



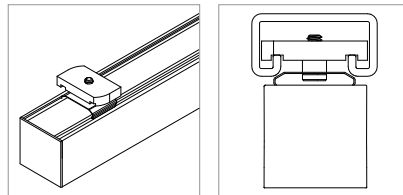
9/16" T-Bar Clip, medium profile (T5)



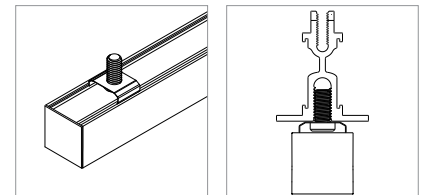
Slotted T-Bar Clip (T6)



Dimensional T-Bar Clip (T7)



Strut Channel Clip (SC)



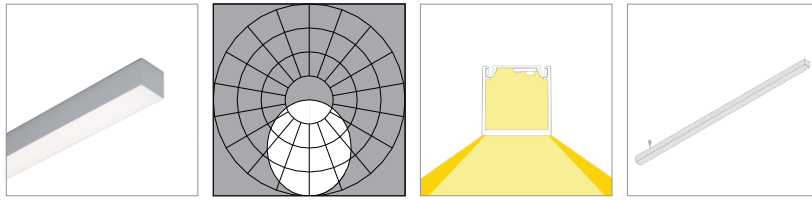
Armstrong DynaMax (DM)

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

## Performance | Zipper LED

Zipper Board has 72 diodes per foot (305mm). Testing based on a 4' rail section. Lumen measurement complies with IES-LM-79-08 testing procedures.

### Square 3535, Critical Edge (S5)



L80 >60,000 hours

Low Output (LO)	2700K	80 CRI (80min., 84 avg.)				2700K	90 CRI (90min., 96 avg.)			
		3000K	3500K	4000K	3000K		3500K	4000K		
Efficacy - Lumens per Watt	64	66	67	67	55	57	58	58		
Lumens per foot (305mm)	235	243	248	248	203	209	214	216		
Watts per foot (305mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8		

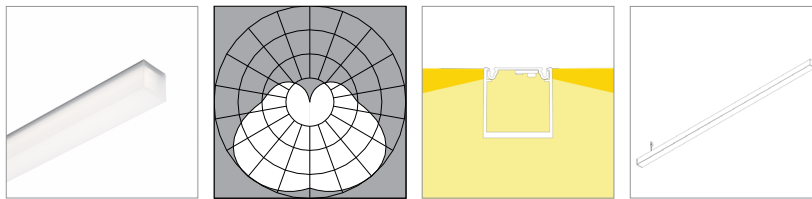
### Standard Output (SO)

Efficacy - Lumens per Watt	73	75	76	76	63	65	66	67
Lumens per foot (305mm)	471	486	496	496	406	419	427	432
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	72	74	76	76	62	64	65	66
Lumens per foot (305mm)	706	729	744	744	609	628	641	647
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

### Square 3535, Diffuse (S6)



L80 >60,000 hours

Low Output (LO)	2700K	80 CRI (80min., 84 avg.)				2700K	90 CRI (90min., 96 avg.)			
		3000K	3500K	4000K	3000K		3500K	4000K		
Efficacy - Lumens per Watt	127	131	134	134	110	113	115	117		
Lumens per foot (305mm)	471	486	496	496	406	419	428	432		
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	145	150	153	153	125	129	132	133
Lumens per foot (305mm)	943	973	992	992	813	838	856	864
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6

### High Output (HO)

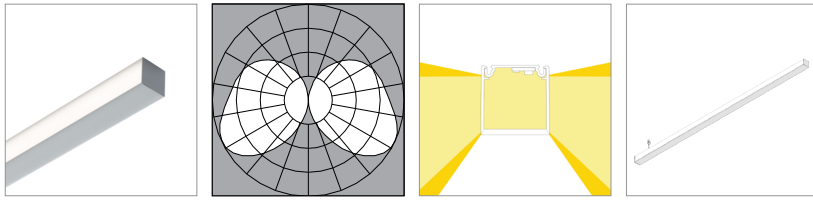
Efficacy - Lumens per Watt	144	148	151	151	124	128	130	132
Lumens per foot (305mm)	1414	1459	1489	1489	1219	1258	1283	1296
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9



## Performance | Zipper LED

Zipper Board has 72 diodes per foot (305mm). Testing based on a 4' rail section. Lumen measurement complies with IES-LM-79-08 testing procedures.

### Square 3535, Side Diffuse (S9)



L80 >60,000 hours

Low Output (LO)	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	86	89	91	91	74	77	78	79
Lumens per foot (305mm)	319	329	336	336	275	284	290	292
Watts per foot (305mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8

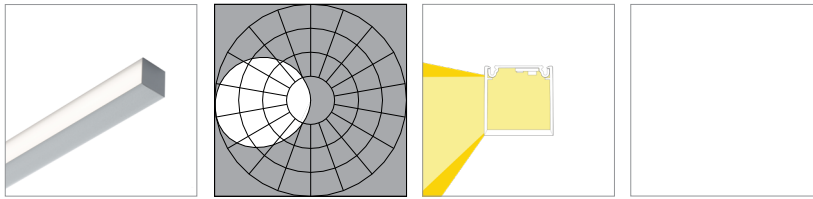
### Standard Output (SO)

Efficacy - Lumens per Watt	98	101	103	103	85	87	89	90
Lumens per foot (305mm)	638	658	672	672	550	567	579	585
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	97	100	102	102	84	87	88	89
Lumens per foot (305mm)	957	987	1007	1007	825	851	869	877
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

### Square 3535, Single Side Diffuse (SA)



L80 >60,000 hours

Low Output (LO)	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	78	80	82	82	67	69	71	72
Lumens per foot (305mm)	289	298	304	304	249	257	262	264
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	89	92	94	94	77	79	81	82
Lumens per foot (305mm)	577	595	607	607	497	513	524	529
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	88	91	93	93	76	78	80	81
Lumens per foot (305mm)	866	893	911	911	746	770	785	793
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

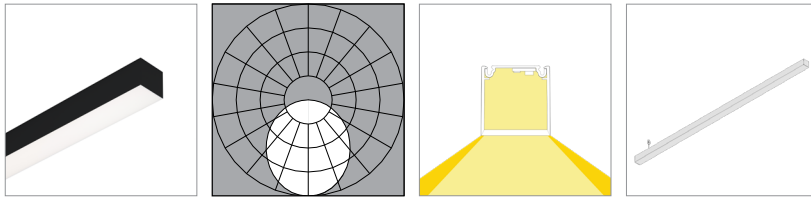
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## Performance | Zipper LED

Zipper Board has 72 diodes per foot (305mm). Testing based on a 4' rail section. Lumen measurement complies with IES-LM-79-08 testing procedures.

### Square 3535, Critical Edge (S5), black finish (S5-BL)



L80 >60,000 hours

Low Output (LO)	2700K	80 CRI (80min., 84 avg.)				2700K	90 CRI (90min., 96 avg.)		
		3000K	3500K	4000K	3000K		3500K	4000K	
Efficacy - Lumens per Watt	76	78	79	79	65	67	69	69	
Lumens per foot (305mm)	279	288	294	294	241	248	253	256	
Watts per foot (305mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	

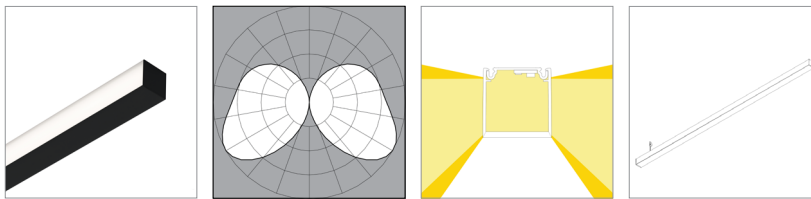
### Standard Output (SO)

Efficacy - Lumens per Watt	86	89	91	91	74	77	78	79
Lumens per foot (305mm)	559	576	588	588	482	497	507	512
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	85	88	90	90	74	76	77	78
Lumens per foot (305mm)	838	864	882	882	722	745	760	768
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

### Square 3535, Side Diffuse (S9), black finish (S9-BL)



L80 >60,000 hours

Low Output (LO)	2700K	80 CRI (80min., 84 avg.)				2700K	90 CRI (90min., 96 avg.)		
		3000K	3500K	4000K	3000K		3500K	4000K	
Efficacy - Lumens per Watt	94	97	99	99	81	84	85	86	
Lumens per foot (305mm)	348	360	367	367	300	310	316	319	
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	107	111	113	113	92	95	97	98
Lumens per foot (305mm)	697	719	734	734	601	620	632	639
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6

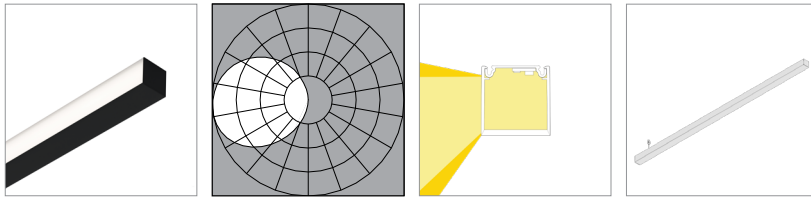
### High Output (HO)

Efficacy - Lumens per Watt	106	110	112	112	92	95	96	97
Lumens per foot (305mm)	1045	1079	1101	1101	901	930	949	958
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

## Performance | Zipper LED

Zipper Board has 72 diodes per foot (305mm). Testing based on a 4' rail section. Lumen measurement complies with IES-LM-79-08 testing procedures.

### Square 3535, Single Side Diffuse (SA), black finish (SA-BL)



L80 >60,000 hours

	2700K	80 CRI (80min., 84 avg.)				2700K	90 CRI (90min., 96 avg.)			
		3000K	3500K	4000K	3000K		3500K	4000K		
<b>Low Output (LO)</b>										
Efficacy - Lumens per Watt	74	76	78	78	64	66	67	68		
Lumens per foot (305mm)	272	281	287	287	235	242	247	250		
Watts per foot (305mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8		
<b>Standard Output (SO)</b>										
Efficacy - Lumens per Watt	84	87	88	88	72	75	76	77		
Lumens per foot (305mm)	545	562	574	574	470	485	495	499		
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6		
<b>High Output (HO)</b>										
Efficacy - Lumens per Watt	83	86	88	88	72	74	76	76		
Lumens per foot (305mm)	817	843	860	860	705	727	742	749		
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9		