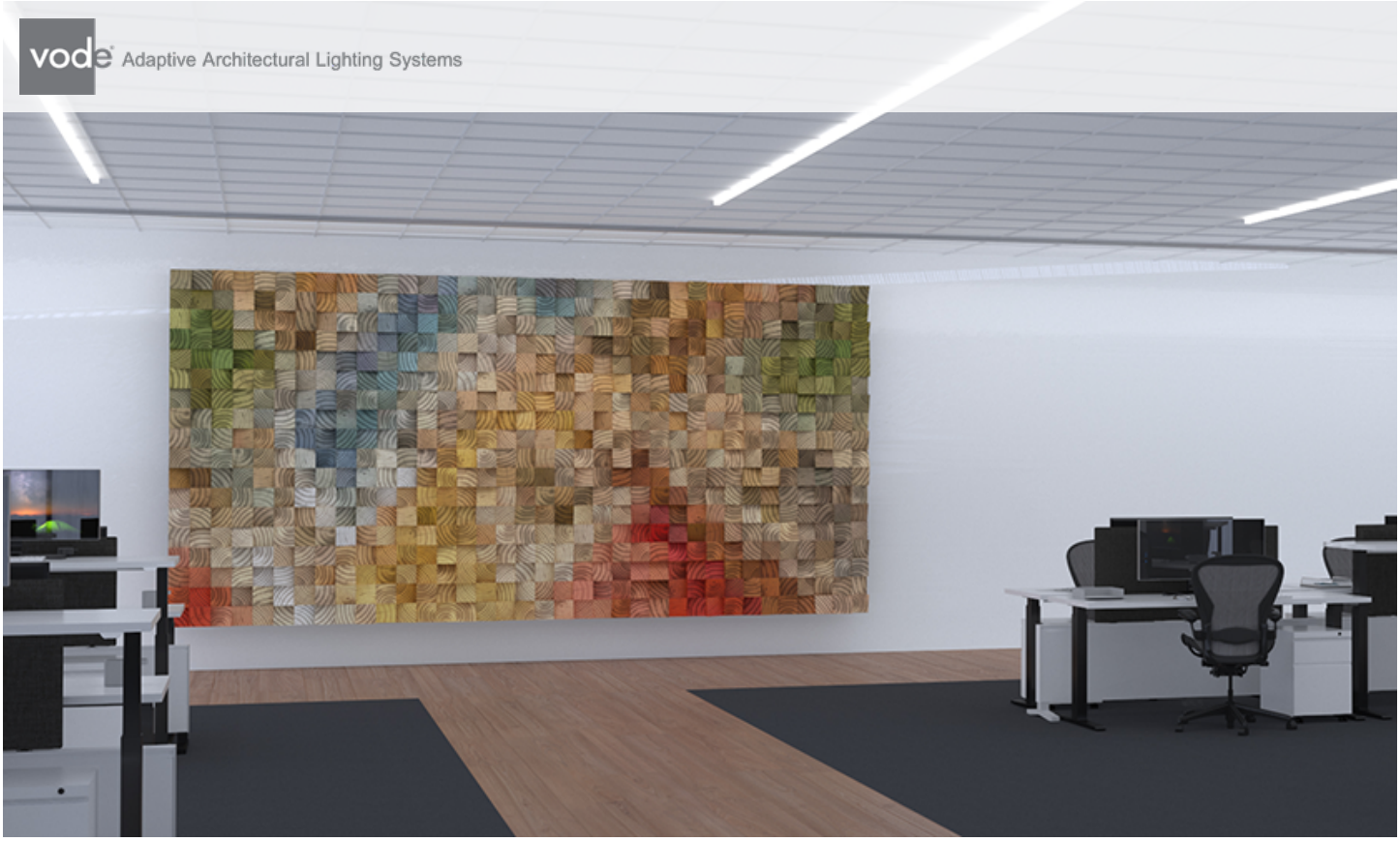
vode Adaptive Architectural Lighting Systems



Spec Guide

ZipTwo | Square 3535/30 | 707

Red List Approved
Declare.

Direct or indirect lighting for wall wash and ceiling wash applications.

Square 3535/30, Soft Wash, white

Benefits & Features

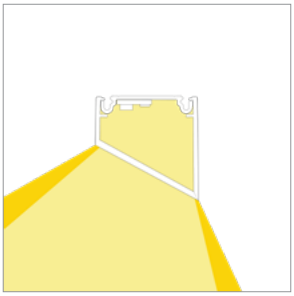
Minimal Profile, Robust Design
Asymetric profile. 1.38" (35mm) x 1.42" (36mm) / 30°.

Superior Light Quality & Performance
Output up to 1040 lm/ft (HO), 106 lm/W (HO). 90 static, 90 CRI RGBW, & 90 CRI tunable white 2200K - 5000K. Custom ranges available upon request.

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.

Discrete Wall Washer
Asymmetric lens with Soft Wash minimizes glare while subtly casting light on a surface.

Square 3535/30, Soft Wash, black



Light Distrubtion

Build Your Specification

707-Z2	SL				0

System & Rail Type
707-Z2 ZipTwo

System Type
SL Standard Linear

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

*Corner and Shapes Available **See Guide** for details.*

Rail Length
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.***

Mounting
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 [1]
DM Armstrong DynaMax
ZZ Other (please specify)

Arm/Cord Length
0 None

				Z

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. [3]

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**, AEO**N**, ADO**N**...etc. [4]

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)*

LED Type
Z Zipper Board

		A3		

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 [5]
90+ CRI

27 2700K
30 3000K
35 3500K
40 4000K

RGBW 90+ CRI

C279 RGB Color, 2700K
C309 RGB Color, 3000K
C359 RGB Color, 3500K
C409 RGB Color, 4000K

ZZ Tunable White Available
See Guide for details.

Optics
A3 Square 3535/30, Soft Wash

Sensors
0 None
ZZ Other (please specify) [6]

Finish
WH White
BL Black

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

NOTES & LIMITATIONS

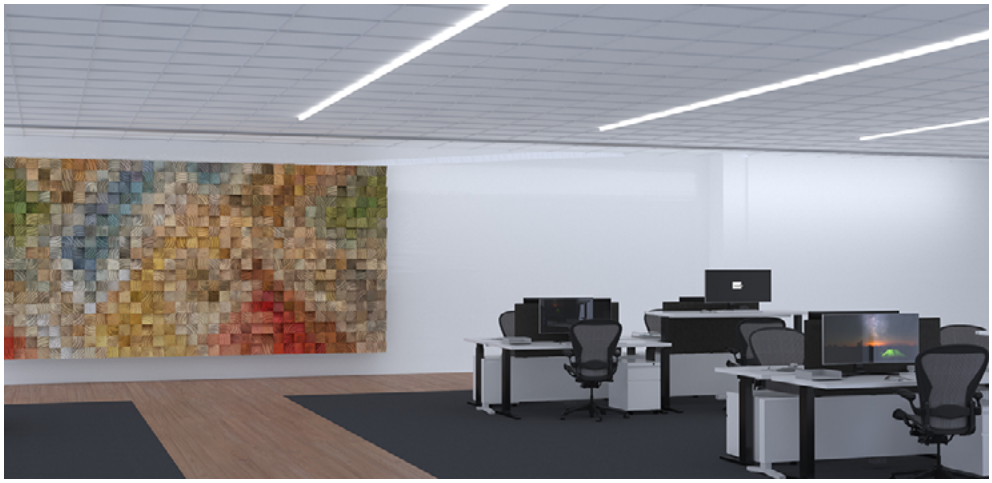
[1] *Mounting type available with Chicago Plenum.*
[2] *Custom modification available for Chicago Plenum. Contact factory.*
[3] *Optimized Power is not available with Hi-lume 1% EcoSystem (AHO) Power Type.*
[4] *VodeNODE enclosure is not available with ELV 1% 2-wire (AH2) Power Type.*
[5] *RGBW available. Contact Vode for more information.*
[6] *Sensors available. Contact Vode for more information.*

*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



Square 3535/30, Soft Wash

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
EXP. 01 JAN 2025
Original Issue Date: 2018

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

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Declare.

Structure

Rail Lengths	24” (610mm) - 144” (3658mm). Modified lengths available. *See **Rail Length Chart** for more details.*
Rail Dimensions	1.38” (35mm) x 1.42” (36mm) / 30º 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	32ºF to 104ºF (0ºC to 40ºC).
Humidity	0-95%, non-condensing. Suitable for damp locations.
System Weight	0.29lbs per ft (0.13kg per 305mm). Power supply and housing not included.

Materials

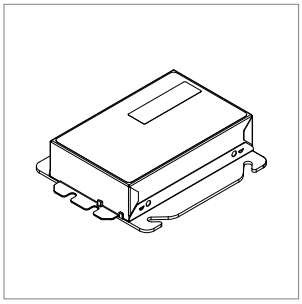
LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Power Cable	Ø3mm, 33/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910, red list free.
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free,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

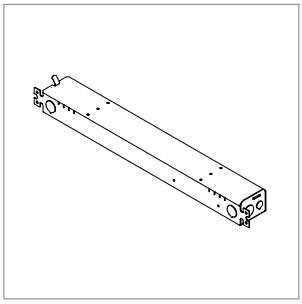
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult ***Power Guide*** to determine which type you will receive.

Remote Brick Power Housing



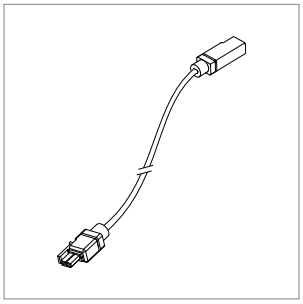
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4” metal, square J-Boxes with a minimum volume of 21 in^3 (J-Box not provided).
See ***Tech Sheet*** for details.

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

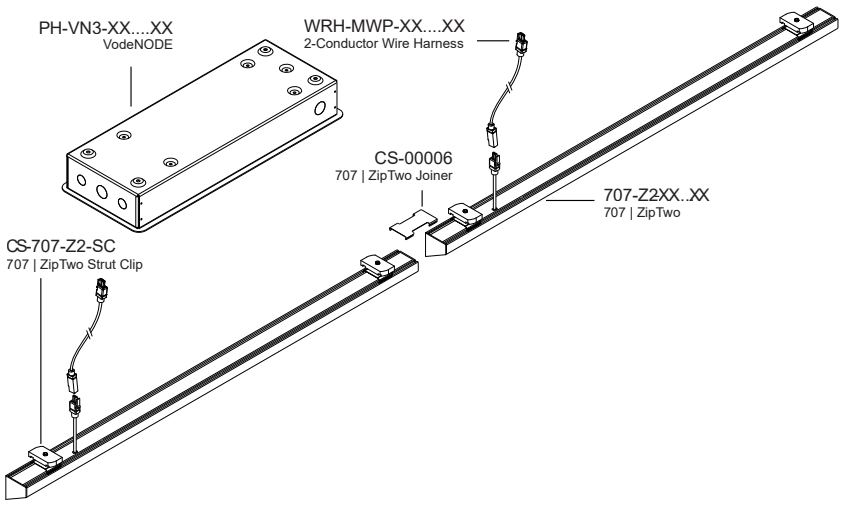


Wire harness connects driver to rail section. Lengths of 10’ (3.0m) & 25’ (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100’ (30.5m).
See ***Tech Sheet*** for details.

Power and Controls

Flexible 1 to 1 power

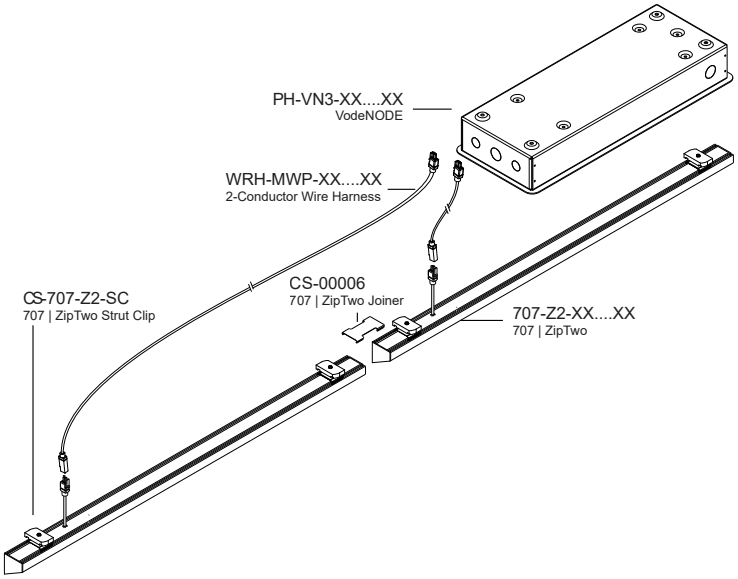
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult ***Power Guide***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



Optimized Power

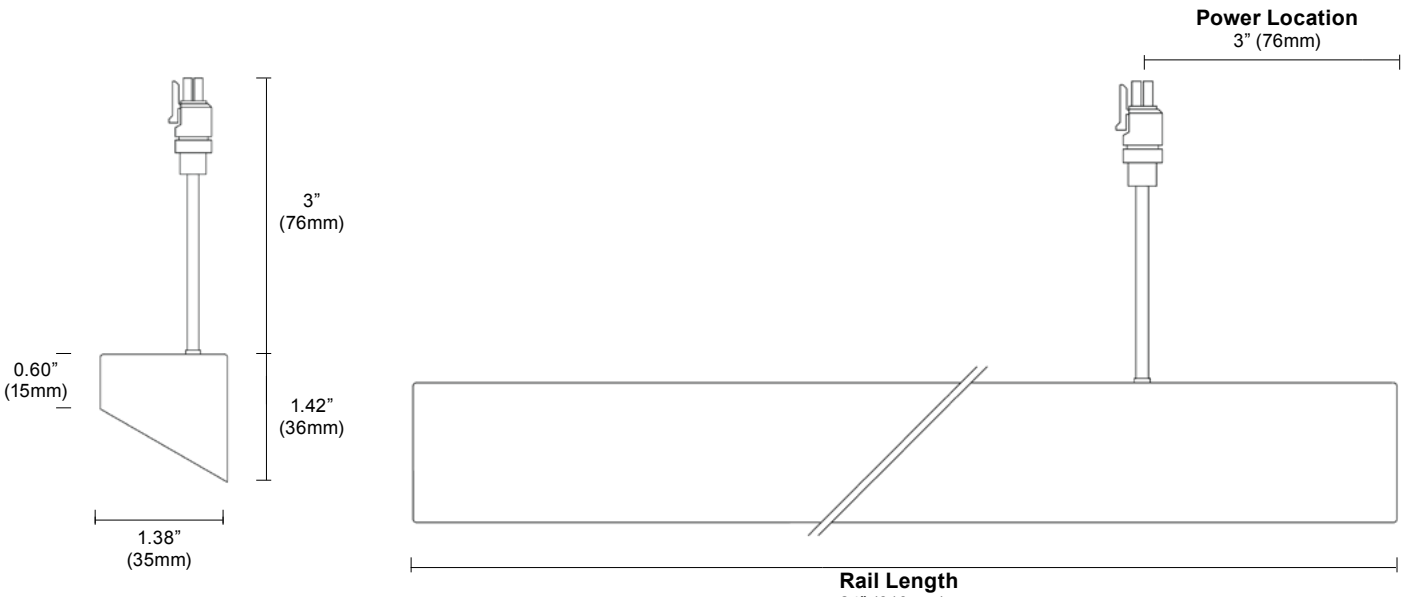
To optimize power, Vode configures specifications with drivers that have 2 or 4 outputs. Depending on system configurations and power requirements, up to 4 fixtures can be powered from a 4-output driver. Consult ***Power Guide*** to determine which type you will receive.

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

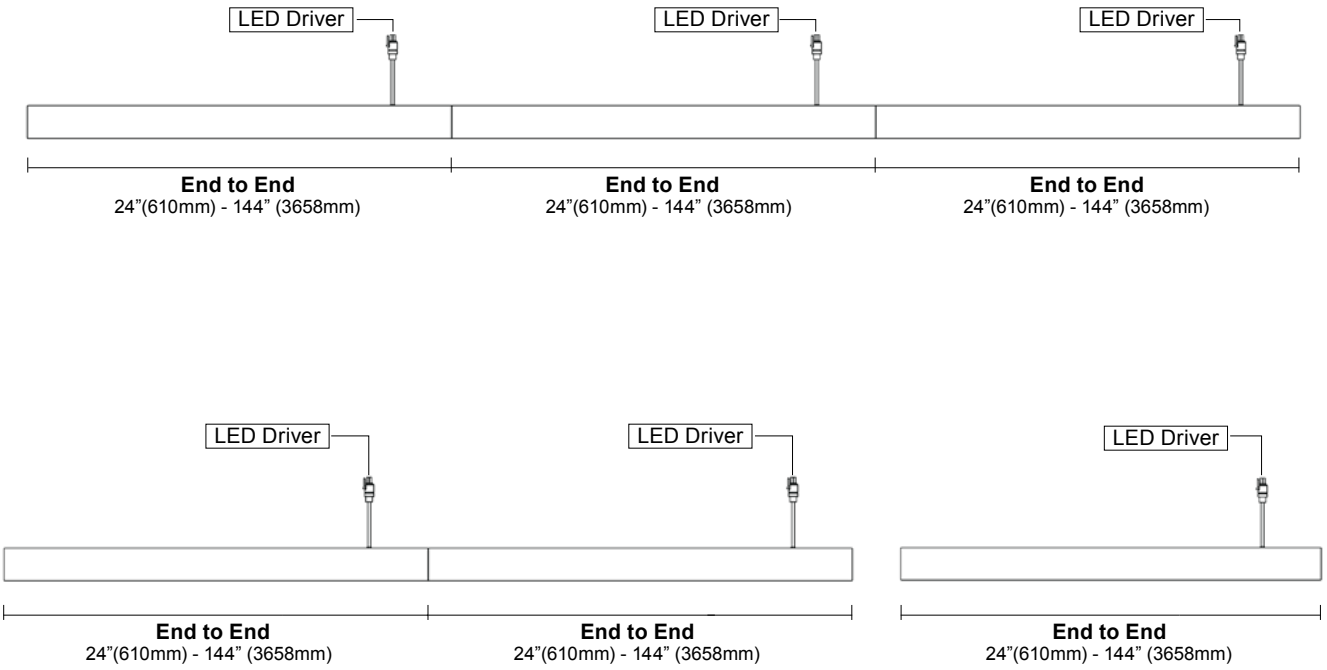


Note: Drawings not to scale, for reference only.

Dimensions

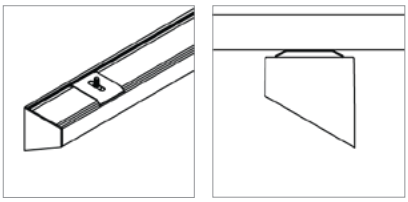


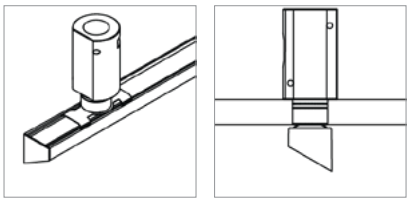
Layout

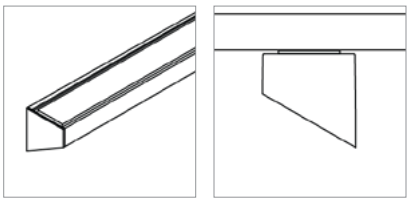


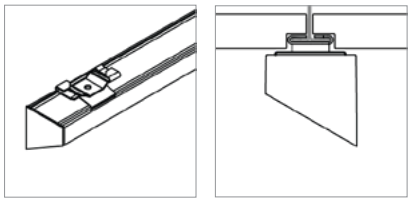
Corner and Shapes Available (Square, Rectangle, L-Shape, U-Shape, ZigZag) ***See Guide*** *for details.*

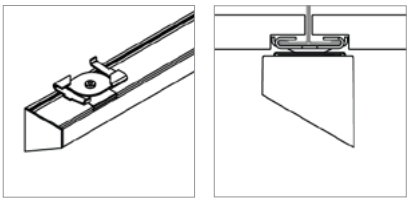
Mounting Options

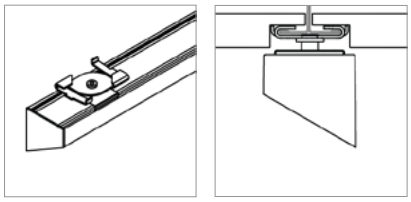

Clip (C)

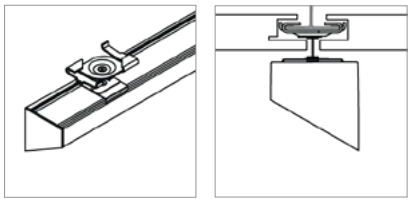

Clip with Micro J-Box (CM)

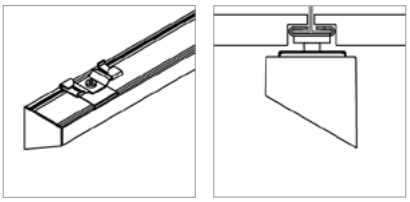

Magnet with Tape-On Metal Strip (T)

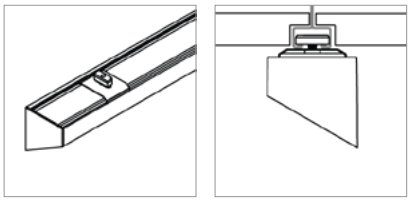

9/16” T-Bar Clip, low profile (T1)

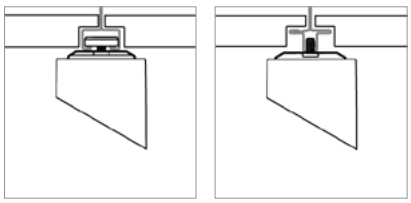

15/16” T-Bar Clip, low profile (T2)

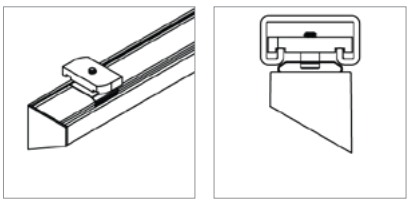

15/16” T-Bar Clip, medium profile (T3)

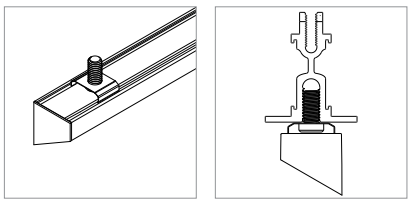

15/16” T-Bar Clip, concealed (T4)


9/16” T-Bar Clip, medium profile (T5)


Slotted T-Bar Clip (T6)


Dimensional T-Bar Clip (T7)


Strut Channel Clip (SC)

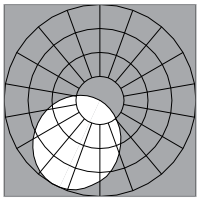
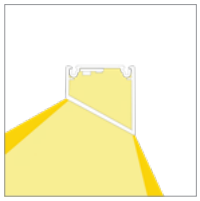

Armstrong DynaMax (DM)

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

Performance | Zipper Board Optics

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

Square 3535/30, Soft Wash, white finish (A3-WH)

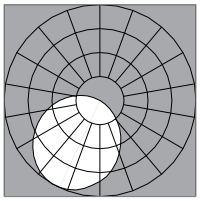
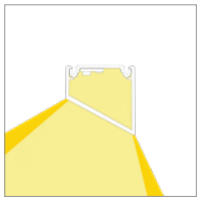




L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	77	79	81	82
Lumens per foot (305mm)	284	293	299	302
Watts per foot (305mm)	3.8	3.8	4	3.8
Standard Output (SO)				
Efficacy - Lumens per Watt	88	90	92	93
Lumens per foot (305mm)	568	585	597	603
Watts per foot (305mm)	6.6	6.6	6.6	6.6
High Output (HO)				
Efficacy - Lumens per Watt	87	89	91	92
Lumens per foot (305mm)	851	878	896	905
Watts per foot (305mm)	9.9	9.9	9.9	9.9

Square 3535/30, Soft Wash, black finish (A3-BL)

L80 >60,000 hours

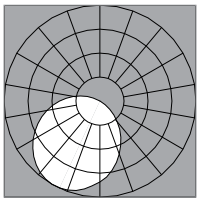
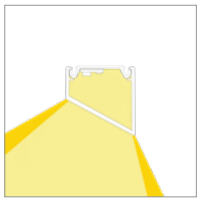
90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	66	68	70	70
Lumens per foot (305mm)	245	252	257	260
Watts per foot (305mm)	3.8	3.8	4	3.8
Standard Output (SO)				
Efficacy - Lumens per Watt	76	78	80	80
Lumens per foot (305mm)	489	504	515	520
Watts per foot (305mm)	6.5	6.5	6.5	6.5
High Output (HO)				
Efficacy - Lumens per Watt	75	77	79	79
Lumens per foot (305mm)	734	757	772	780
Watts per foot (305mm)	9.9	9.9	9.9	9.9

Performance | Zipper Board Optics | RGBW

Zipper Board Optics design has 72 diodes per foot (305mm).
RGBW (red, green, blue, and white) tested with **all channels on**.

Square 3535/30, Soft Wash, white finish (A3-WH)

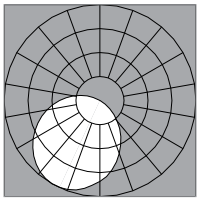
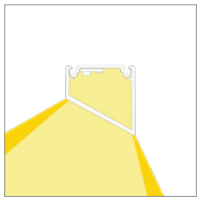
L80 >60,000 hours

RGBW Color, 90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	57	59	60	61
Lumens per foot (305mm)	178	184	188	190
Watts per foot (305mm)	3.2	3.2	3.2	3.2

Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	48	49	50	51
Lumens per foot (305mm)	357	368	375	379
Watts per foot (305mm)	7.6	7.6	7.6	7.6

Square 3535/30, Soft Wash, black finish (A3-BL)

L80 >60,000 hours

RGBW Color, 90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	49	51	52	52
Lumens per foot (305mm)	154	158	162	163
Watts per foot (305mm)	3.2	3.2	3.2	3.2

Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	41	42	43	44
Lumens per foot (305mm)	307	317	323	327
Watts per foot (305mm)	7.6	7.6	7.6	7.6