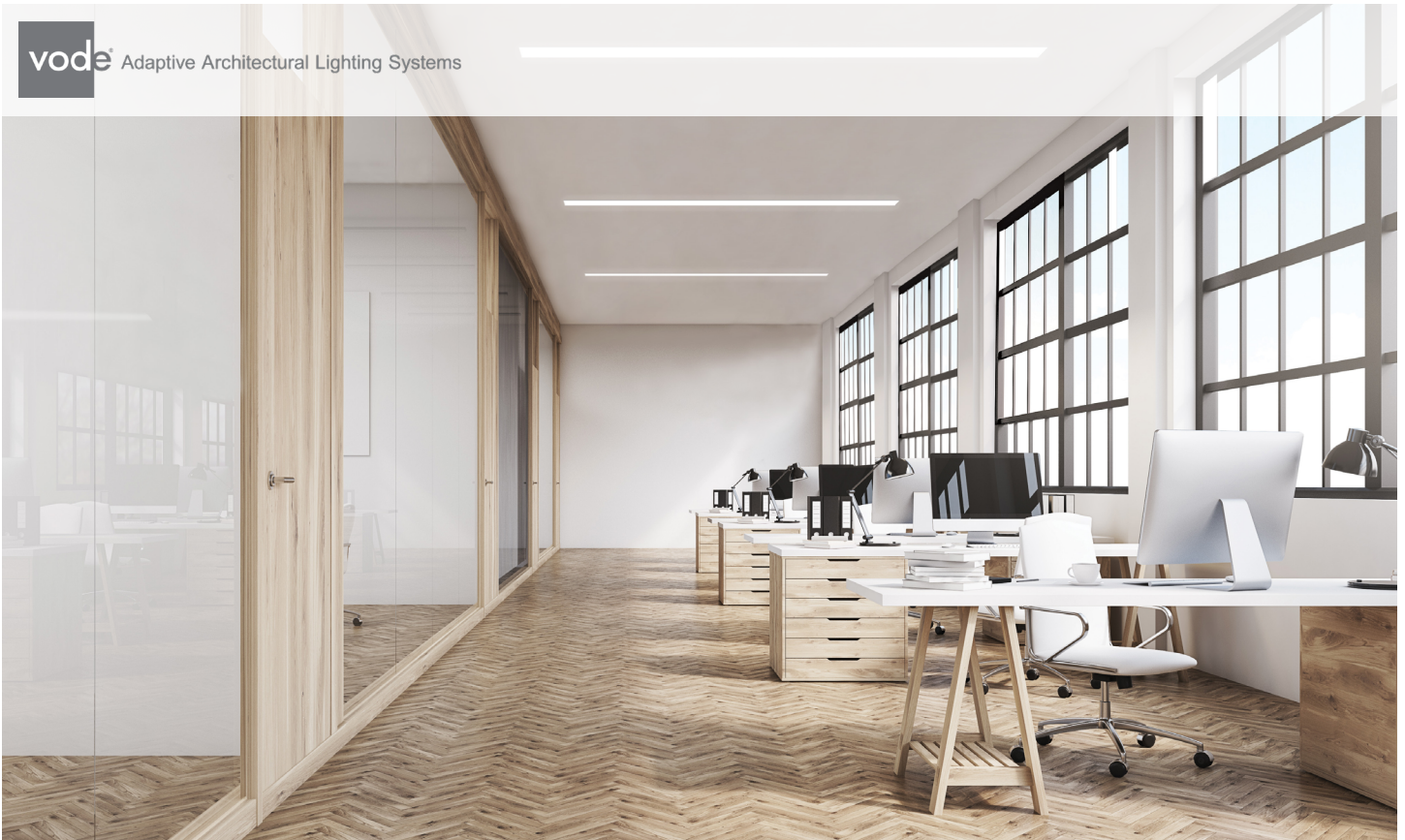




Spec Guide

Nexa | 807

Direct lighting for general interior applications.



Nexa 5.25", Critical Edge, Clear Anodized

Benefits & Features

Minimal Profile, Seamless Design

Thin profile. Two aperture sizes to choose from 3.25" (83mm) x 0.55" (14mm) and 5.25" (133mm) x 0.58" (15mm).

Superior Light Quality & Performance

Output up to 1650 lm/ ft. 80 or 90 CRI, tunable white (2200K - 5000K), and dim to warm (2200K - 3000K) available.

Bezel-less Design

With Vode's Critical Edge™ design the lens goes to the edge delivering a ribbon of light with no gaps.

Versatile Mounting Options with Easy Installation

Magnet mount to any surface, compatible with suspended ceiling systems using Vode's adjustable ceiling clips for simple installation.



Nexa 3.25", Honeycomb Louver, Black Anodized



Nexa 3.25", Critical Edge, Clear Anodized, Integral Power

Build Your Specification

807					
System 807 System 807	Rail Type NX3 Nexa 3.25" (83mm) NX5 Nexa 5.25" (133mm)	System Type SL Surface RS Recessed	System Length Change to specify overall system length in ft/in or M/mm. <i>Corner and Shapes Available</i> See Guide for details.	Rail Length 24 24" (610mm) 30 30" (762mm) ¹ 36 36" (914mm) 48 48" (1219mm) 60 60" (1524mm) 72 72" (1829mm) 90 90" (2286mm) ¹ 96 96" (2438mm) 108 108" (2743mm) 120 120" (3048mm) 132 132" (3352mm) 144 144" (3658mm)	ZZ Other rail length or layout (please specify) <i>See Rail Length Chart for more details.</i> <i>Integral Power lengths are not whole numbers at ends of fixture runs to account for T-Bar grid. See Layout on page 9 for details.</i>

			0		
Mounting			Arm/Cord Length	Power Location	
Surface Mount			0 None	Remote Power	
Drywall & Masonry				RP10 10' (3.04m) Wire Harness	
SM Surface Mount Magnet ²				RP25 25' (7.62m) Wire Harness	
Suspended Ceiling				RP50 50' (15.24m) Wire Harness	
T1 9/16" T-Bar Clip, low profile				RP75 75' (22.86m) Wire Harness	
T5 9/16" T-Bar Clip, medium profile				RP100 100' (30.48m) Wire Harness	
T2 15/16" T-Bar Clip, low profile				Integral Power ⁴	
T3 15/16" T-Bar Clip, medium profile				IP Integral Power	
T4 15/16" T-Bar Clip, concealed					
T6 Slotted T-Bar Clip					
T7 Dimensional T-Bar Clip					
DM Armstrong® DynaMax™					
Wood Ceilings ³					
G1 Grille Tegular Vertical Slats 9/16"					
G2 Grille Tegular Vertical Slats 15/16"					
G3 Grille Tegular Horizontal Slats					
G4 Grille 1-3/8" Slat					
G5 Grille 5-1/4" Slat Height					
G6 Grille 3-1/4" Slat Height					

							Z	
Power Type			Voltage		Emergency Power		LED Type	
Flexible 1 to 1 Power			VodeNODE		0 No emergency power		Z Zipper Board	
AE eldoLED 0-10v, 1.0% Dimming			Add 'N' to power type for Flexible		ZZ Emergency power (please specify)			
AT eldoLED 0-10v, 0.1% Dimming			1 to 1 Power					
AD eldoLED DALI, 0.1% Dimming			Add 'ON' to power type for					
AX eldoLED DMX,100-0% Dimming			Optimized Power ⁶					
AH Lutron Hi-lume 1% EcoSystem, LDE1			example: AEN, ATN, AEON,					
AH2 Lutron Hi-lume 1% 2-wire, LTE ⁵			ADON, etc.					
ZZ Other (please specify)								
Optimized Power								
Add an 'O' to the end of the power type spec code. ⁶								
example: AEO, ATO, ADO, etc.								

Lumen Output	Color Temperature	Optics	Sensors	Finish	Options
VLO Very Low Output	80+ CRI	CE Critical Edge	0 None	AL Clear Anodized	0 None
LO Low Output	27 2700K	HL Honeycomb Louver	ZZ Sensor (please specify)	BL Black Anodized	9 9' 18/3 Cord and Plug ⁷
SO Standard Output	30 3000K				CP Chicago Plenum
HO High Output	35 3500K				ZZ Other (please specify)
ZZ Other (please specify)	40 4000K				
	90+ CRI				
	279 2700K				
	309 3000K				
	359 3500K				
	409 4000K				
	TW Tunable White 2200K - 5000K				
	DW Dim to Warm 2200K - 3000K				
	ZZ Other (please specify)				

NOTES & LIMITATIONS

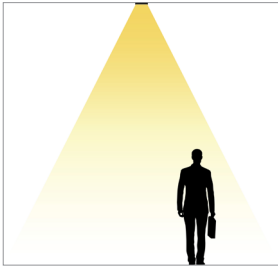
¹ Rail length not available for surface mount.² Each magnet holds approximately 13.34kg (~29 lbs). See [Surface Magnet Mount Tech Sheet](#) for more details.³ Comes with adjustable T-Bar clip.⁴ Integral Power only available with Nexa3 in recessed ceiling mounting applications.⁵ VodeNODE enclosure is not available with Hi-lume 1% 2-wire (AH2) Power Type.⁶ Optimized Power is not available with Lutron Hi-lume 1% EcoSystem (AHO) Power Type.⁷ 9' 18/3 Cord and Plug only available with Remote Power (RP).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



Airport



Research Laboratory



Lobby

Applications

General Interior and Open Office



Hotel Corridor



Hospital Corridor



Warehouse

Structure

Rail Lengths	24" (610mm) - 144" (3658mm). Modified lengths available. See Rail Length Chart for more details.
Rail Dimensions	3.25" (83mm) x 0.55" (14mm) x length. 5.25" (133mm) x 0.58" (15mm) x length.
Construction	Extruded and machined 6063 aluminum.
Mounting	Surface Mount Magnet. Each Magnet holds up to 29lbs (13.34kg). T-Bar Clips for most grid / panel construction. Strut Channel Clip. Adjustable T-Bar Clip. See Surface Magnet Mount Tech Sheet for more details.
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	NX3 0.75 lbs/ft. NX5 1 lbs/ft.

Materials

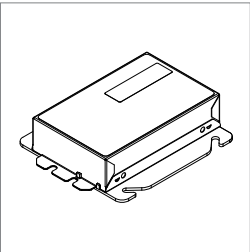
LED Board Construction	Flexboard. RoHS compliant Polyimide Flex PCB substrate.
Lens	High-impact extruded acrylic (PMMA).
Wire Harness	Ø3mm, 18/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910, red list free.
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant, red list free.
Remote Driver Housing	Galvanized Steel.

Power and Controls

Power Type	Class 2 (<60V output) constant current driver.
Dimming Controls	0-10V, DALI, DMX, Lutron, and others available. See Power Guide for details.
Input Voltage	120V - 277V, 50/60hz.
Power Location	Remote power. Maximum remote distance up to 100' (31m) depending on driver selection. See Power Guide for details.

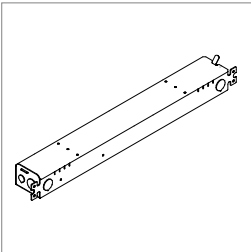
Remote power is locating the power supply away from the fixture. Remote power comes in three housing styles: brick style, linear style and VodeNODE. Consult [Power Guide](#) to determine which type you will receive.

Remote Brick Power Housing



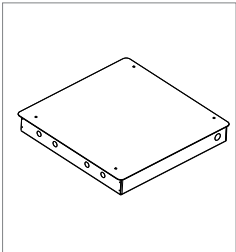
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

Remote Linear Power Housing



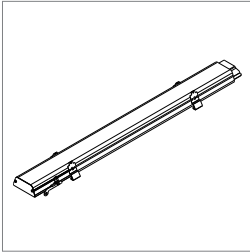
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

VodeNODE



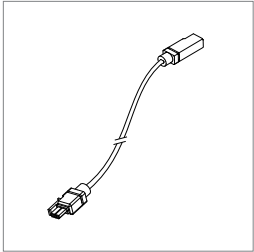
White powder coated, aluminum power enclosure with up to 600W maximum load. Fits most Vode standard linear drivers. Drivers are supplied prewired for ease of installation. See [Tech Sheet](#) for details.

Integral Power



One integral power housing is supplied to match the length of the fixture. The linear driver inside the power chassis can allow for single units or continuous runs. Available for Armstrong On Center only. See [Tech Sheet](#) for details.

Wire Harness

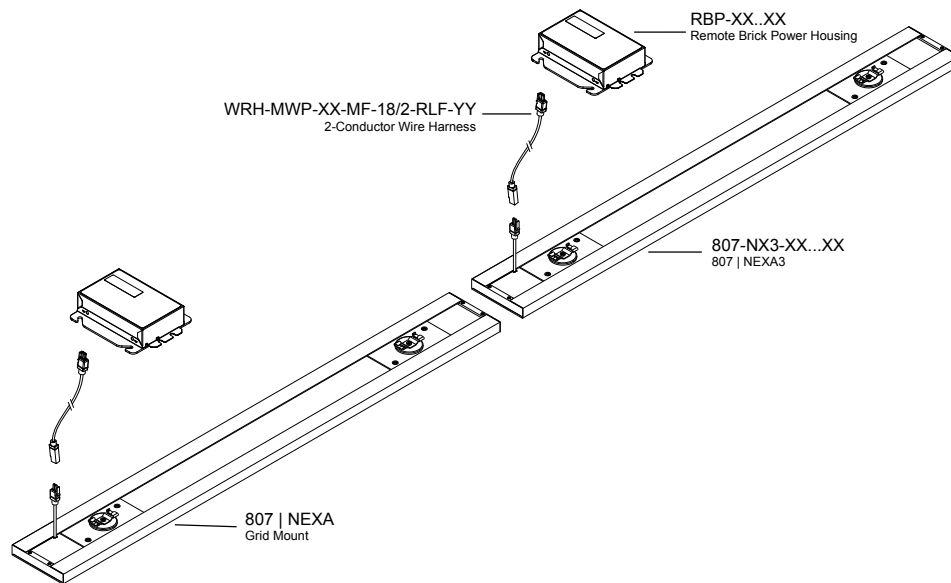


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m). See [Tech Sheet](#) for details.

Power and Controls

Flexible 1 to 1 power

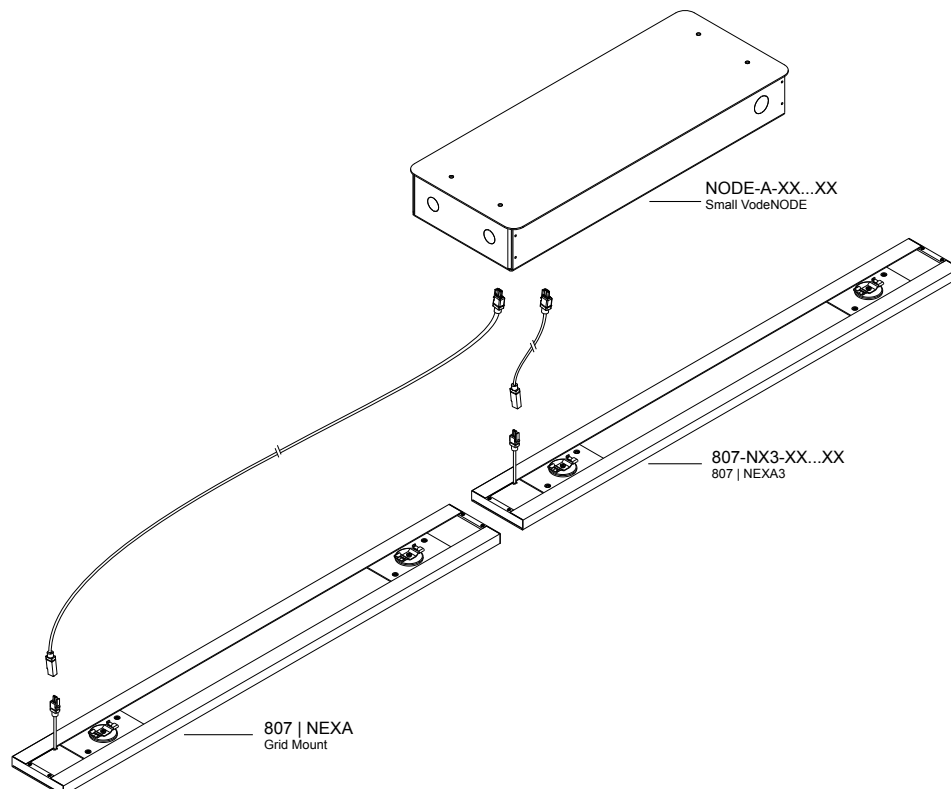
For Flexible 1 to 1 Power, Vode supplies one single output driver per rail, allowing each rail to be controlled independently. Direct rails are supplied with two single output drivers, allowing the direct lighting to be controlled independently. Consult [Power Guide](#) to determine which type you will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

Notes: Each rail will still require individual wire harnesses, as shown below. VodeNODE is not required for optimized power.



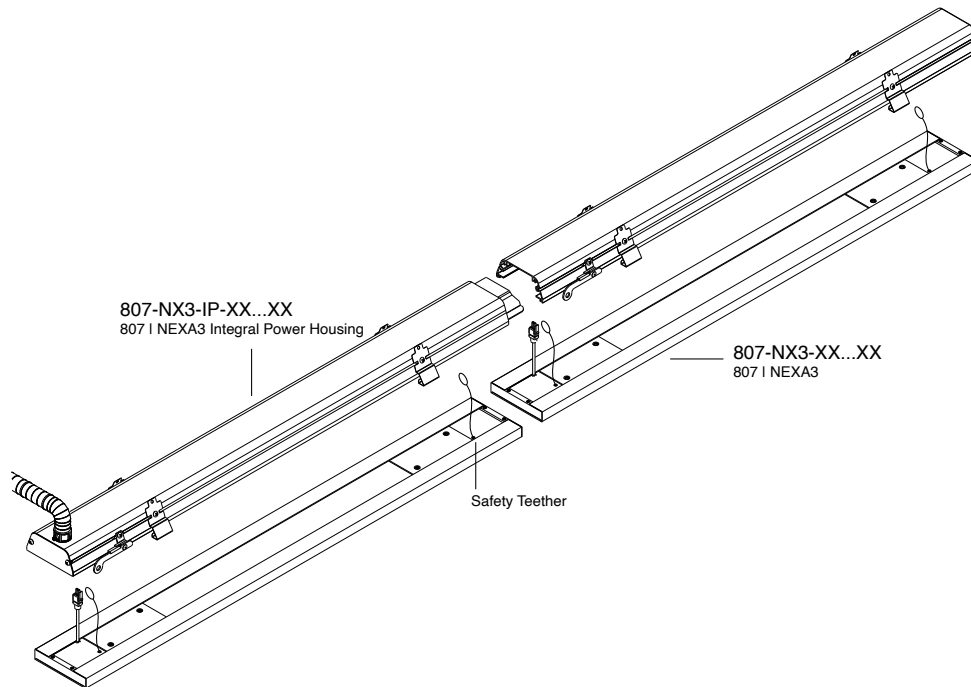
Notes: Drawings not to scale, for reference only.

Power and Controls

Integral Power

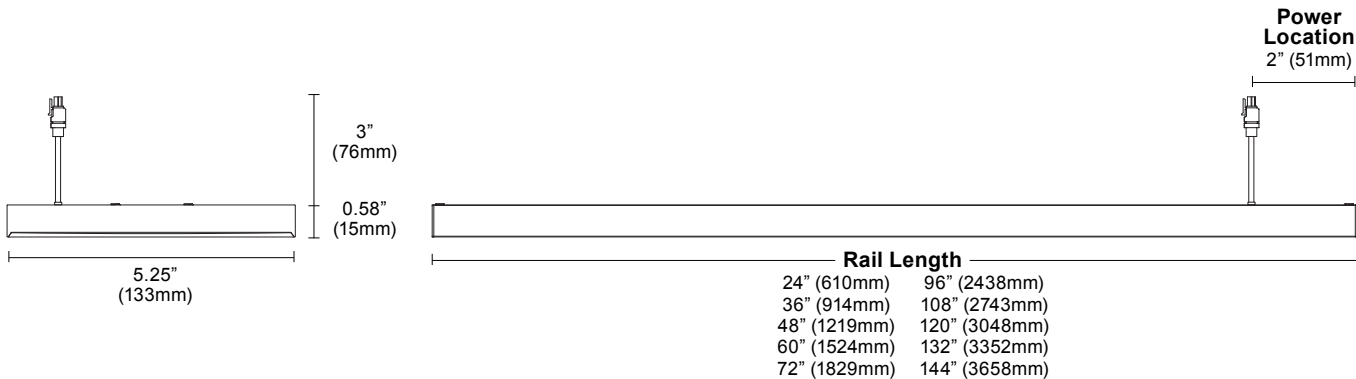
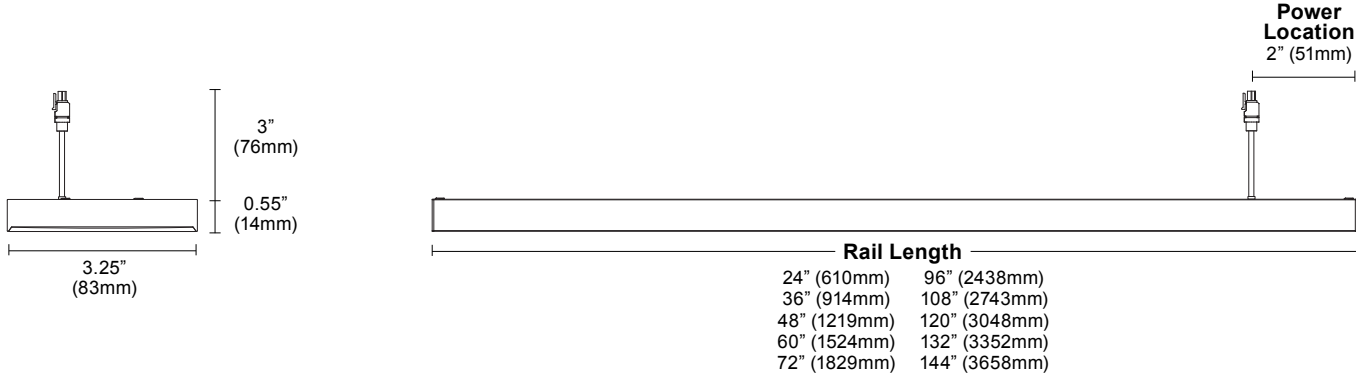
Vode supplies one integral power housing per rail. Single rail systems are provided with one driver per housing. For multiple rail systems a power harness is pre-installed in the housing to connect power and dimming controls through all the rails.

Notes: Integral Power only available with Nexa3 in recessed ceiling mounting applications. Refer to [page 9](#) for layout information.



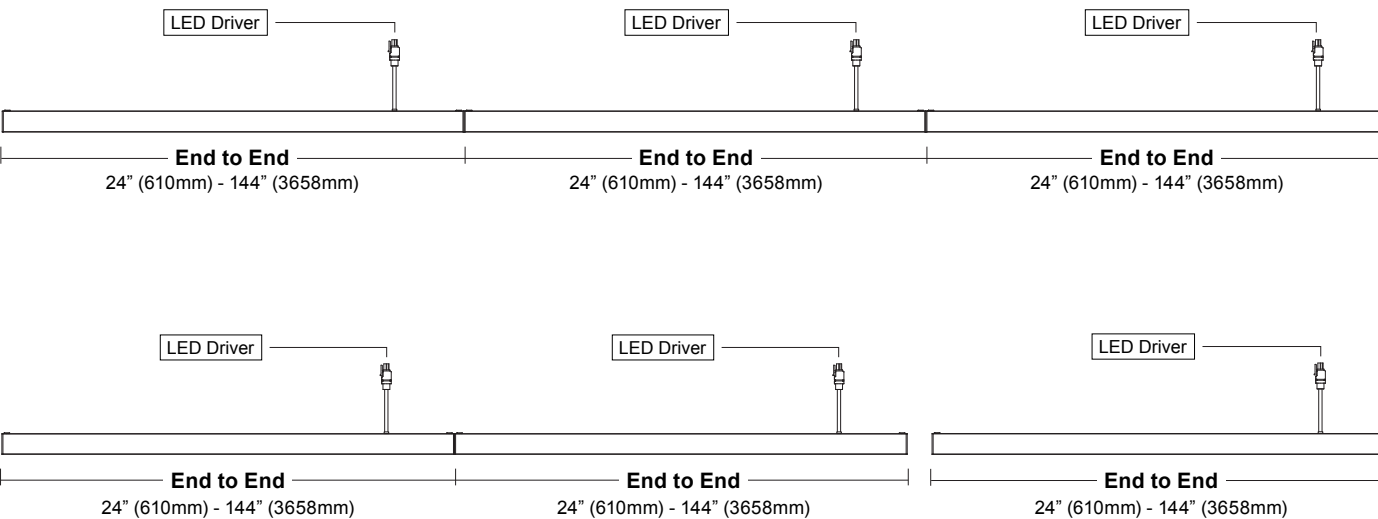
Dimensions

Remote Power



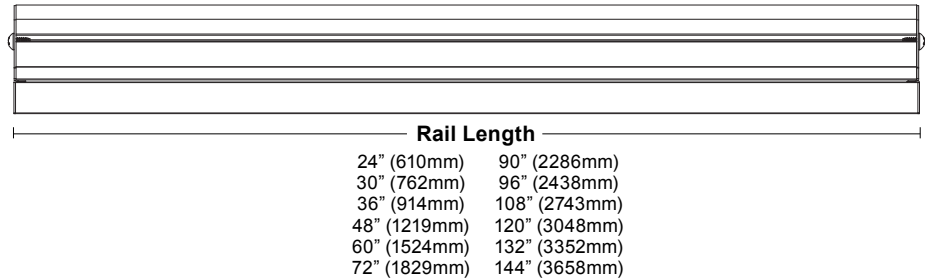
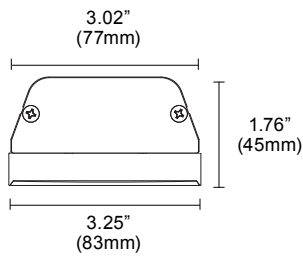
Layout

Remote Power



Dimensions

Integral Power



Layout

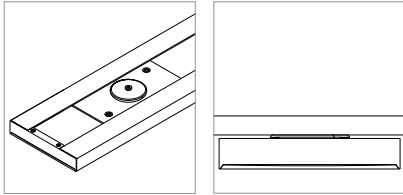
Integral Power

Note: Dimensions are not whole numbers at ends of fixture runs to account for T-Bar grid.

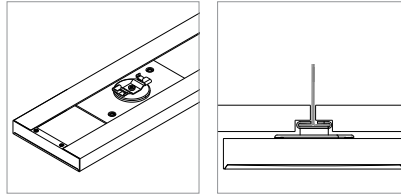
End	Middle	End
23.63" (600mm)	24" (610mm)	23.63" (600mm)
29.63" (753mm)	30" (762mm)	29.63" (753mm)
35.63" (905mm)	36" (914mm)	35.63" (905mm)
47.63" (1210mm)	48" (1219mm)	47.63" (1210mm)
59.63" (1515mm)	60" (1524mm)	59.63" (1515mm)
71.63" (1819mm)	72" (1829mm)	71.63" (1819mm)
89.63" (2277mm)	90" (2286mm)	89.63" (2277mm)
95.63" (2429mm)	96" (2438mm)	95.63" (2429mm)
107.63" (2733mm)	108" (2743mm)	107.63" (2733mm)
119.63" (3038mm)	120" (3048mm)	119.63" (3038mm)
131.63" (3343mm)	132" (3352mm)	131.63" (3343mm)
143.63" (3648mm)	144" (3657mm)	143.63" (3648mm)

End	End	Single
23.63" (600mm)	23.63" (600mm)	23.25" (591mm)
29.63" (753mm)	29.63" (753mm)	29.25" (743mm)
35.63" (905mm)	35.63" (905mm)	35.25" (896mm)
47.63" (1210mm)	47.63" (1210mm)	47.25" (1200mm)
59.63" (1515mm)	59.63" (1515mm)	59.25" (1505mm)
71.63" (1819mm)	71.63" (1819mm)	71.25" (1810mm)
89.63" (2277mm)	89.63" (2277mm)	89.25" (2267mm)
95.63" (2429mm)	95.63" (2429mm)	95.25" (2419mm)
107.63" (2733mm)	107.63" (2733mm)	107.25" (2724mm)
119.63" (3038mm)	119.63" (3038mm)	119.25" (3028mm)
131.63" (3343mm)	131.63" (3343mm)	131.25" (3333mm)
143.63" (3648mm)	143.63" (3648mm)	143.25" (3638mm)

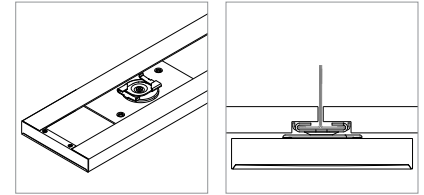
Mounting Options



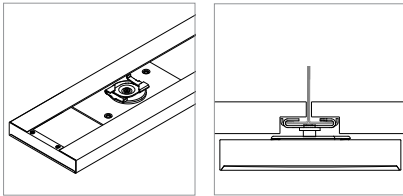
Surface Magnet Mount (**SM**)



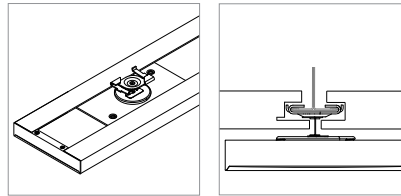
9/16\" T-Bar Clip, Low Profile (**T1**)



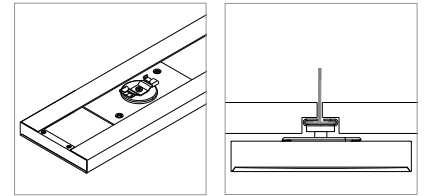
15/16\" T-Bar Clip, Low Profile (**T2**)



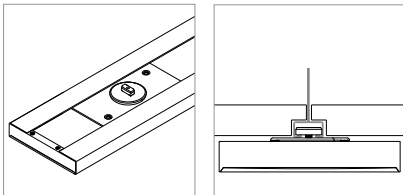
15/16\" T-Bar Clip, Medium Profile (**T3**)



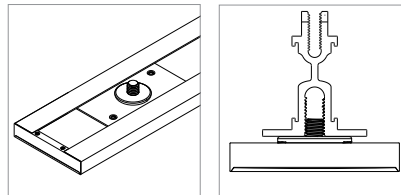
15/16\" T-Bar Clip, Concealed (**T4**)



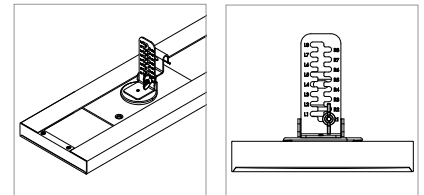
9/16\" T-Bar Clip, Medium Profile (**T5**)



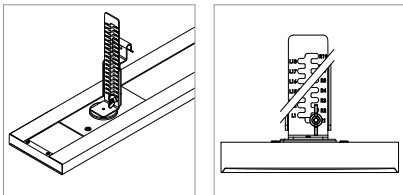
Slotted T-Bar Clip (**T6**)



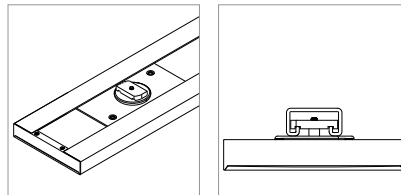
Armstrong Dynamax (**DM**)



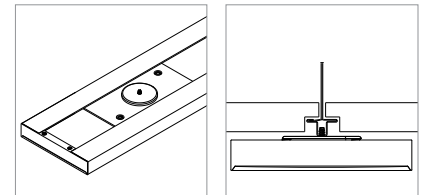
Adjustable T-Bar Clip, Small (**G1-G6**)



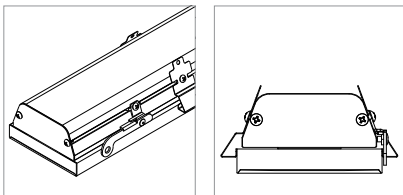
Adjustable T-Bar Clip, Large (**G1-G6**)



Strut Channel Clip (**SC**)



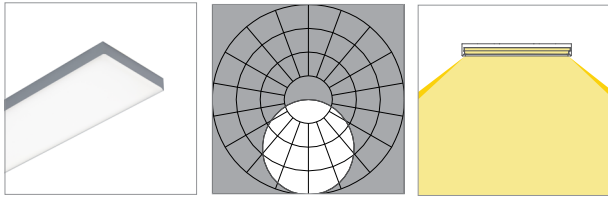
Dimensional T-Bar Clip (**T7**)



Suspended Ceiling, Recessed (**RSC**)
Recessed Armstrong Suspended Ceilings (**RAC**)

Performance | Zipper Board Optics

Nexa 3.25", Critical Edge, Clear Anodized



L80 >60,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Very Low Output (VLO)								
Efficacy - Lumens per Watt	107	110	113	113	90	93	95	96
Lumens per foot (305mm)	221	228	233	233	186	191	195	197
Watts per foot (305mm)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

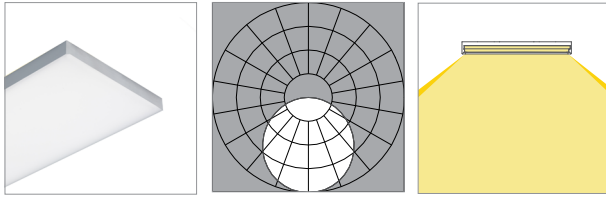
	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	120	124	126	126	101	104	106	107
Lumens per foot (305mm)	395	407	415	415	331	342	349	352
Watts per foot (305mm)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Standard Output (SO)								
Efficacy - Lumens per Watt	120	124	126	126	101	104	106	107
Lumens per foot (305mm)	789	814	831	831	663	684	698	705
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
High Output (HO)								
Efficacy - Lumens per Watt	153	158	161	161	128	132	135	136
Lumens per foot (305mm)	1500	1547	1578	1578	1259	1299	1326	1339
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

Performance | Zipper Board Optics

Nexa 5.25", Critical Edge, Clear Anodized



L80 >60,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Very Low Output (VLO)								
Efficacy - Lumens per Watt	114	118	120	120	96	99	101	102
Lumens per foot (305mm)	236	244	249	249	198	205	209	211
Watts per foot (305mm)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

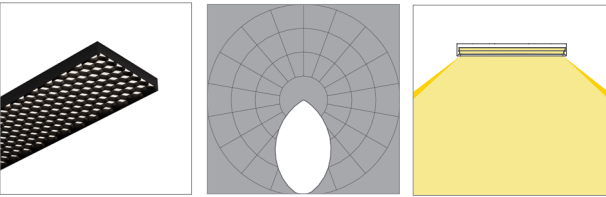
	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	128	132	135	135	108	111	113	115
Lumens per foot (305mm)	422	435	444	444	354	365	373	376
Watts per foot (305mm)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Standard Output (SO)								
Efficacy - Lumens per Watt	128	132	135	135	108	111	113	115
Lumens per foot (305mm)	843	870	888	888	708	731	746	753
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
High Output (HO)								
Efficacy - Lumens per Watt	163	168	172	172	137	141	144	146
Lumens per foot (305mm)	1602	1653	1686	1686	1346	1388	1416	1431
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

Performance | Zipper Board Optics

Nexa 3.25", Honeycomb Louver, Black Anodized



L80 >60,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
Very Low Output (VLO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	49	51	52	52	41	43	44	44
Lumens per foot (305mm)	101	104	106	106	85	88	89	90
Watts per foot (305mm)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

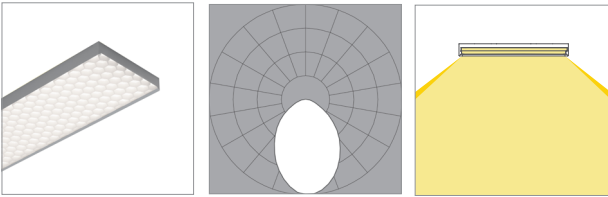
	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	55	57	58	58	46	48	49	49
Lumens per foot (305mm)	181	186	190	190	152	156	160	161
Watts per foot (305mm)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
Standard Output (SO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	55	57	58	58	46	48	49	49
Lumens per foot (305mm)	361	372	380	380	303	313	319	322
Watts per foot (305mm)	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
High Output (HO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	70	72	74	74	59	61	62	63
Lumens per foot (305mm)	686	708	722	722	576	594	607	613
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

Performance | Zipper Board Optics

Nexa 3.25", Honeycomb Louver, Clear Anodized



L80 >60,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
Very Low Output (VLO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	100	103	105	105	84	87	88	89
Lumens per foot (305mm)	206	213	217	217	173	179	182	184
Watts per foot (305mm)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	112	116	118	118	94	97	99	100
Lumens per foot (305mm)	369	380	388	388	310	319	326	329
Watts per foot (305mm)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
Standard Output (SO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	112	115	118	118	94	97	99	100
Lumens per foot (305mm)	737	760	776	776	619	639	652	658
Watts per foot (305mm)	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
High Output (HO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	143	147	150	150	120	124	126	127
Lumens per foot (305mm)	1401	1445	1474	1474	1176	1214	1238	1251
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9