Spec Guide

WingRail® | Stack | 117

Direct lighting for library stack and display applications.

WingRail, direct or indirect, 370º rotation.

Benefits & Features

Minimal Profile, Robust Design
Asymmetric profile, 1.14” (29mm) x 2.12” (54mm).

Superior Light Quality & Performance
Output up to 1376 lm/ft (4516 lm/m) (HO), 121 lm/W (SO). 80 or 90 CRI & tunable white (2200K-5000K) available.

Adaptive Power
Integral Power, full range dimming power for all protocols.

Better Optics & Beam Control Options
Asymmetric distribution. White or black baffle, EdgeSoft™ lens or diffuse lens and narrow optics available. Directional control with 370º rotation, angle gauge and lock.

Double-sided

Single-sided

Copyright © Vode Lighting LLC | 21684 8th Street East, Suite 700, Sonoma, CA 95476 | 707.996.9898

Build Your Specification

117-WG				ST	18 ▸▸
System & Rail Type	Single/Double Rail	System Length	Rail Length	Mounting	Arm Length

System & Rail Type

117-WG WingRail

Single/Double Rail

K1 Single-sided
K2 Double-sided

System Length

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

Rail Length

24 24” (610mm)
36 36” (914mm)
48 48” (1219mm)
60 60” (1524mm)
72 72” (1829mm)
ZZ Other rail length or layout (please specify)

*See **Rail Length Chart** for more details*

Mounting

ST Stack

Arm Length

18 18” arm (457mm)
ZZ Other (please specify)

▸▸ IP			0	Z ▸▸
Power Location	Power Type*	Voltage	Emergency Power	LED Type

Power Location

Integral Power
IP Integral Power

Power Type*

AE eldoLED 0-10v, 1.0% Dimming
AT eldoLED 0-10v, 0.1% Dimming
AD eldoLED DALI, 0.1% Dimming
AX eldoLED DMX, 100-0% Dimming
AH Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE1
AH2 Hi-lume 1% 2-wire LTEA2W (120V forward phase only)

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™

▸▸				
Lumen Output	Color Temperature	Optics	Finish	Options

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

80+ CRI

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

90+ CRI

279 2700K
309 3000K
359 3500K
409 4000K

ZZ Tunable White Available
See Guide for details

Optics

Zipper Board (Z)

WB White Baffle with EdgeSoft™
BB Black Baffle with Edge Soft
C1 Clear with Edge Soft
D1 Diffuse

Finish

AL Clear Anodized
WH White Painted
BL Black Anodized
ZZ Other (please specify)

Options

0 None
ZZ Other (please specify)

*5 Year Limited Warranty. See full Vode warranty description **here** or at vode.com.*

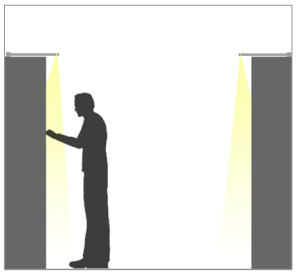
Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA.

Copyright © Vode Lighting LLC | 21684 8th Street East, Suite 700, Sonoma, CA 95476 | 707.996.9898

Applications

Library Stack and Display

Tualatin Public Library, Tualatin, OR



Andre Tchelistcheff Architects, New York, NY

Copyright © Vode Lighting LLC | 21684 8th Street East, Suite 700, Sonoma, CA 95476 | 707.996.9898

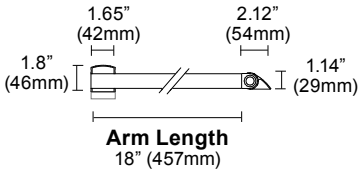
Structure

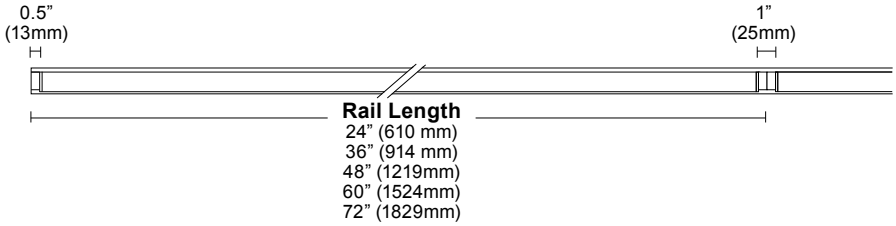
Rail Lengths	24” (610mm), 36” (914mm), 48” (1219mm), 60” (1524mm), 72” (1829mm).
Rail Dimensions	1.14” (29mm) x 2.12” (54mm).
Construction	Extruded and machined 6063 aluminum.
Mounting	Single or double-sided stack mount to integral power housing.
Arm Length	18” (457mm). Non-standard arm lengths available. Single-sided requires arm lengths 24” or less.
System Run Length	24” (610mm) minimum. Unlimited maximum.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-85%, non-condensing.

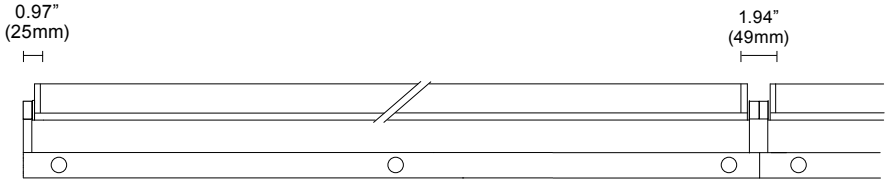
Materials

LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Baffle	6063 Aluminum, RoHS compliant painted finish.
Power Cable	Ø4mm, 18/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910 *(PVC free in 2020)*
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant *(PVC free in 2020)*
Integral Power Housing	Extruded and machined 6063 aluminum.

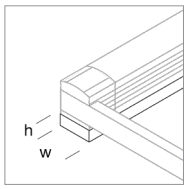
Dimensions







Mounting Options

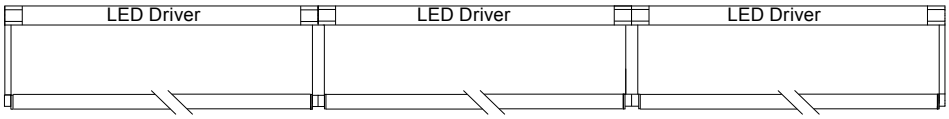


Vode Strut
(provided with systems
with multiple rail sections)
h 0.8” (20mm)
w 1.61” (41mm)

Copyright © Vode Lighting LLC | 21684 8th Street East, Suite 700, Sonoma, CA 95476 | 707.996.9898

Layout

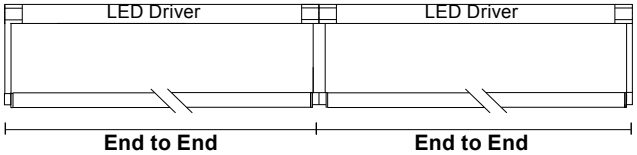
Single Sided (K1)



End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)

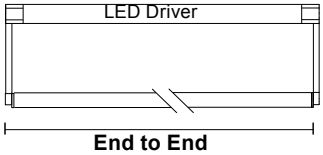
End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)

End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)



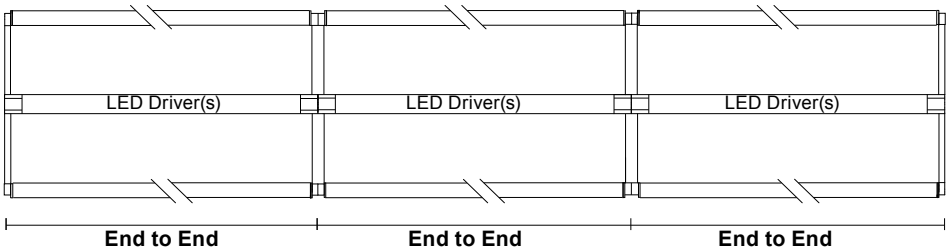
End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)

End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)



End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)

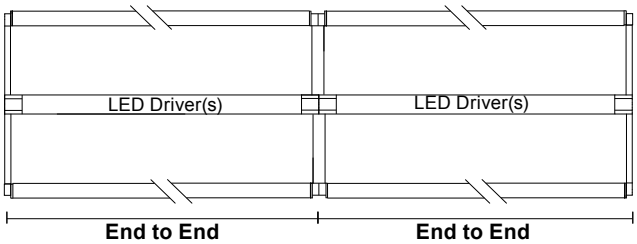
Double Sided (K2)



End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)

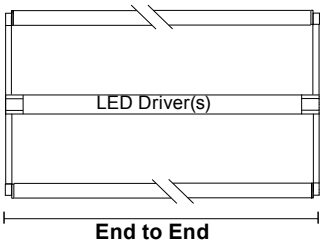
End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)

End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)



End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)

End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)



End to End
24” (610mm)
36” (914mm)
48” (1219mm)
60” (1524mm)
72” (1829mm)

Power and Controls

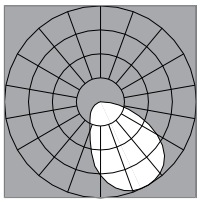
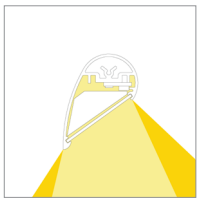
Power Type	Class 2 (<60v output) constant current driver.
Dimming Controls	Dimming (0.1%, 1%), 0-10v, DALI, DMX, Lutron Hi-lume 1% are available. *See **Power Guide** for details.*
Input Voltage	120v - 277v, 50/60hz.
Power Location	Integral power. *See **Power Guide** for details.*

Copyright © Vode Lighting LLC | 21684 8th Street East, Suite 700, Sonoma, CA 95476 | 707.996.9898

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.

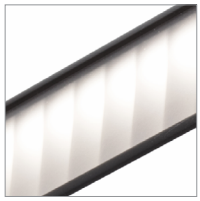
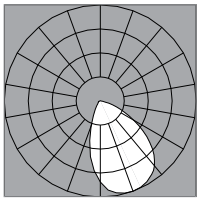
White Baffle with EdgeSoft™ (WB)

L80 >60,000 hours

	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	75	77	78	80	64	66	68	69
Lumens per foot (305mm)	277	285	291	297	239	246	251	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	92	95	97	99	80	82	84	85
Lumens per foot (305mm)	553	571	583	594	477	492	502	512
Watts per foot (305mm)	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
High Output (HO)								
Efficacy - Lumens per Watt	86	89	90	92	74	77	78	80
Lumens per foot (305mm)	1052	1085	1107	1129	907	935	954	973
Watts per foot (305mm)	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4

Black Baffle with EdgeSoft™ (BB)

L80 >60,000 hours

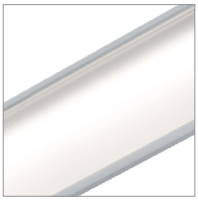
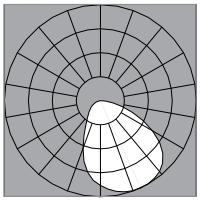
	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
Low Output (LO)	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	46	48	48	49	40	41	42	43
Lumens per foot (305mm)	170	176	179	183	147	151	155	158
Watts per foot (305mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Standard Output (SO)								
Efficacy - Lumens per Watt	57	59	60	61	49	51	52	53
Lumens per foot (305mm)	341	351	359	366	294	303	309	315
Watts per foot (305mm)	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
High Output (HO)								
Efficacy - Lumens per Watt	53	55	56	57	46	47	48	49
Lumens per foot (305mm)	647	668	681	695	558	576	587	599
Watts per foot (305mm)	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4

Copyright © Vode Lighting LLC | 21684 8th Street East, Suite 700, Sonoma, CA 95476 | 707.996.9898

Performance | Zipper LED Continued

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.

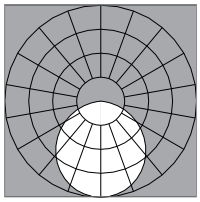
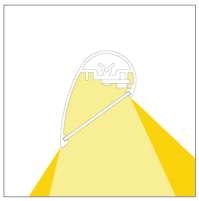
Clear with EdgeSoft™ (C1)

L80 >60,000 hours

	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	91	94	96	97	78	81	82	84
Lumens per foot (305mm)	337	348	355	362	291	300	306	312
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	112	116	118	121	97	100	102	104
Lumens per foot (305mm)	675	696	710	724	582	600	612	624
Watts per foot (305mm)	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
High Output (HO)								
Efficacy - Lumens per Watt	105	108	110	112	90	93	95	97
Lumens per foot (305mm)	1282	1322	1349	1376	1105	1140	1163	1187
Watts per foot (305mm)	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4

Diffuse (D1)

L80 is >60,000 hours

	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	65	67	69	70	56	58	59	61
Lumens per foot (305mm)	243	250	255	261	209	216	220	225
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	82	84	86	88	71	73	74	76
Lumens per foot (305mm)	489	505	515	525	442	435	444	453
Watts per foot (305mm)	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
High Output (HO)								
Efficacy - Lumens per Watt	76	79	80	82	66	68	69	71
Lumens per foot (305mm)	934	964	984	1003	806	831	848	865
Watts per foot (305mm)	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4

© 2018 Vode Lighting LLC. All rights reserved.
The Vode logo and Vode, WingRail, EdgeSoft and Zipper Board names are either registered trademarks or trademarks of Vode Lighting LLC in the United States and/or other countries. All other brand or product names are trademarks or registered trademarks of their respective owners. Due to ongoing innovation, specifications may change without notice.

Copyright © Vode Lighting LLC | 21684 8th Street East, Suite 700, Sonoma, CA 95476 | 707.996.9898