



Spec Guide

RaceRail™ | Ceiling Cable | LED | 107

Direct or indirect lighting for general interior and open office applications.



RaceRail: direct or indirect, infinite rotation.

Benefits & Features

Super Slim, Adaptive Design

Round profile, Ø1.12" (28mm), infinite rotation, angle gage and lock.

Superior Light Quality & Performance

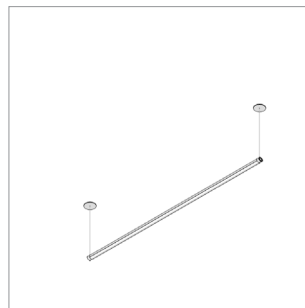
Standard Output up to 140 lm/W, 883 lm/ft (2898 lm/m) and 84 CRI. High Output up to 1625 lm/ft (5332 lm/m). 90 CRI available.

Adaptive Power Modules

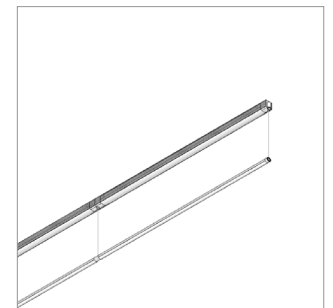
Integral or remote power, 0.1% dimming available for all configurations and protocols.

Simple Installation

Modular snap-fit assembly for quick installation and maintenance.



Shown: Small Round Canopy
Multiple mounting hardware options designed to fit any application.



Shown: Integral Power
Multiple mounting hardware options designed to fit any application.

Build Your Specification

107-RR	01			CC		»
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System & Rail Type	Single/Double Rail	System Length	Rail Length	Mounting	Cable Length	Power Location
107-RR RaceRail	01 Single Rail	Specify total system length in 1ft (305mm) increments.	24 24" (610mm) 36 36" (914mm) 48 48" (1219mm) 60 60" (1524mm) 72 72" (1829mm) ZZ Other rail length or layout (please specify)	CC Ceiling Cable	<i>Field adjustable.</i> 48 48" cable (1219mm) 96 96" cable (2438mm) ZZ Other (please specify)	Integral Power IP Integral Power Remote Power 2R Small Round Canopy 4R Large Round Canopy

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Power Type ¹	Voltage	Emergency Power	LED Type	Lumen Output
AE eldoLED 0-10v, 1.0% Dimming	1 120v	<i>Contact Vode or your Vode agent for emergency power options.</i>	Z Zipper Board	LO Low Output
AT eldoLED 0-10v, 0.1% Dimming	2 120v-277v			SO Standard Output
AD eldoLED DALI, 0.1% Dimming	4 120v-240v			HO High Output ^{5,6}
AX eldoLED DMX, 100-0% Dimming ²				ZZ Other (please specify) ⁷
AH Lutron Hi-lume 1% EcoSystem (LDE1) ³				
AH2 Lutron Hi-lume 1% 2-wire (LTE) ⁴				
AH3 Lutron Hi-lume 1% EcoSystem/3-wire (L3D)				
ZZ Other (please specify)				

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Color Temperature	Optics	Sensors	Finish	Options
80+ CRI	Zipper Board (Z)	0 None	AL Clear Anodized	0 None
27 2700K	0 Clear Lens	ZZ Other (please specify) ⁸	WH White Painted	
30 3000K	1 Diffuse Flat Lens		BL Black Anodized	
35 3500K	2 Diffuse Round Lens		ZZ Other (please specify)	
40 4000K	G1 G1 120° Batwing*			
ZZ Other (please specify)	G2 G2 120° Flywing*			
	ZZ Other (please specify)			
90+ CRI				
279 2700K				
309 3000K				
359 3500K				
409 4000K				
ZZ Other (please specify)				

NOTES & LIMITATIONS

¹Dimming curve is factory preset to linear. Logarithmic is available upon request.

²AX is not available with High Output (HO)

³AH is not available with 24" rail lengths.

⁴AH2 is only available in 120v

⁵HO is not available with 60", 72" rail lengths in AT, AD, AH2, AH3

⁶HO is not available with 48" rail lengths in AH2, AH3

⁷See [Driver Guide](#) for limitations. See the [IES Files](#) page for performance data.

⁸Occupancy and daylight sensors are available. Contact Vode or your Vode agent with your specific requirements.

^{*}Coming Soon. Contact Vode or your Vode agent for more information.

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

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



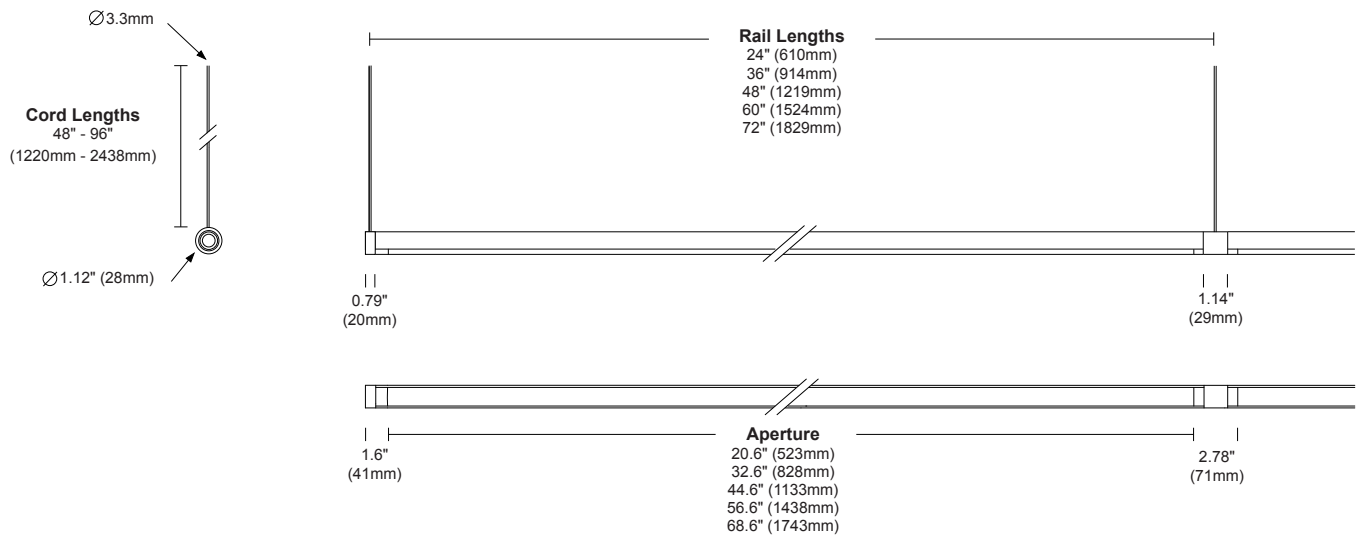
Structure

Rail Lengths	24" (610mm), 36" (914mm), 48" (1219mm), 60" (1524mm), 72" (1829mm).
Rail Dimensions	Ø1.12" (28mm).
Construction / Finish	Extruded and machined 6063 aluminum. Clear anodized, black anodized, white painted and non-standard finishes available.
Mounting	Ceiling mount to jbox or driver housing.
Cable Length	48" (1220mm) and 96" (2440mm) available. Field adjustable. Non-standard cable lengths available.
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.
System Weight	0.65lbs (0.29kg) per foot (305mm). ¹

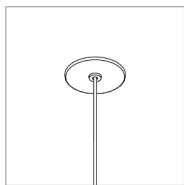
Materials

LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Clear Lens, Diffuse Len	High-impact extruded acrylic glass (PMMA).
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, PVC overmold, RoHS compliant.
Remote Power Housing	1/16" (0.8mm) formed steel, zinc chromate plating.

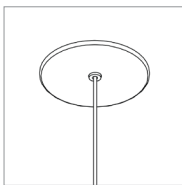
Dimensions



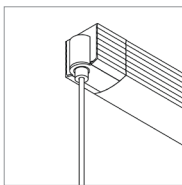
Mounting Options



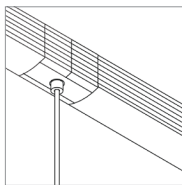
Small Round
Canopy
Ø2.5" (51mm)



Large Round
Canopy
Ø4.5" (114mm)



Integral Power (end)
h 1.7" (43mm)
w 1.8" (46mm)

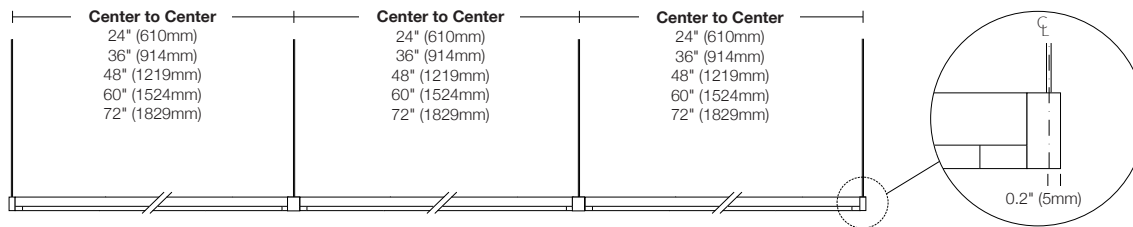


Integral Power (joint)

NOTES & LIMITATIONS

¹Weight based on system consisting of 4' (1219mm) rail and mounting hardware. Power supply and housing not included.

Layout



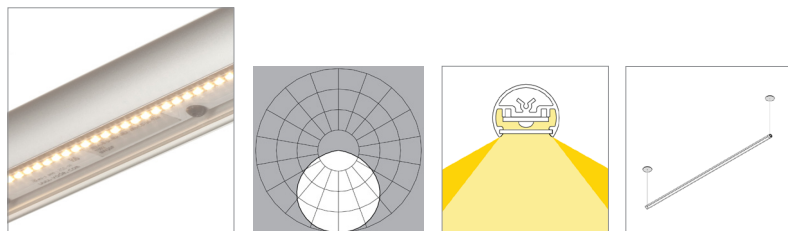
Power / Controls

Power Type	Class 2 (<60v output) constant current driver.
Dimming Controls	Dimming ¹ (0.1%, 1%) and 0-10v, DALI, DMX, Lutron Hi-lume 1% are available. See Driver Guide for details.
Input Voltage	120v - 277v, 50/60hz.
Power Location	Integral or remote power. Maximum remote distance up to 72' (22m) depending on driver selection. See Driver Guide for details.

Performance

Zipper Board has 72 diodes per foot (305mm). Performance data for standard output listed below.²

Clear Lens



	80 CRI				90 CRI			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	102	106	110	115	102	106	110	115
Lumens per foot (305mm)	391	408	425	442	391	408	425	442
Watts per foot (305mm)	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
CRI (>80min., 84 avg.)	-	-	-	-	-	-	-	-
Standard Output (SO)								
Efficacy - Lumens per Watt	124	129	134	140	124	129	134	140
Lumens per foot (305mm)	781	815	849	883	781	815	849	883
Watts per foot (305mm)	6.4	6.4	6.4	6.4	16.4	16.4	16.4	16.4
CRI (>80min., 84 avg.)	-	-	84	-	-	-	84	-
High Output (HO)								
Efficacy - Lumens per Watt	109	114	118	123	109	114	118	123
Lumens per foot (305mm)	1438	1500	1563	1625	1438	1500	1563	1625
Watts per foot (305mm)	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
CRI (>80min., 84 avg.)	-	-	-	-	-	-	-	-

**90 CRI Coming
Fall 2017**

NOTES & LIMITATIONS

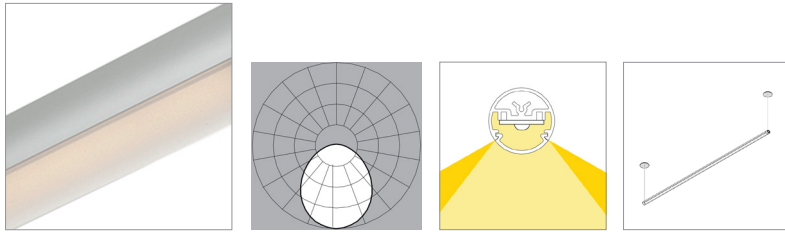
¹Dimming curve is factory preset to linear. Logarithmic is available upon request.

²Based on testing 4' rail section. Lumen measurement complies with IES-LM-79-08 testing procedures.

Performance

Zipper Board has 72 diodes per foot (305mm). Performance data for standard output listed below.¹

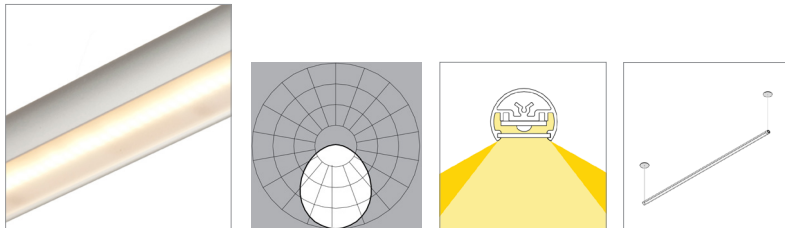
Diffuse Round Lens



	80 CRI				90 CRI			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	90	94	98	102	90	94	98	102
Lumens per foot (305mm)	347	362	377	392	347	362	377	392
Watts per foot (305mm)	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
CRI (>80min., 84 avg.)	-	-	-	-	-	-	-	-
Standard Output (SO)								
Efficacy - Lumens per Watt	109	114	119	124	109	114	119	124
Lumens per foot (305mm)	694	724	755	785	694	724	755	785
Watts per foot (305mm)	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
CRI (>80min., 84 avg.)	-	-	84	-	-	-	84	-
High Output (HO)								
Efficacy - Lumens per Watt	97	101	105	109	97	101	105	109
Lumens per foot (305mm)	1277	1333	1388	1444	1277	1333	1388	1444
Watts per foot (305mm)	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
CRI (>80min., 84 avg.)	-	-	-	-	-	-	-	-

90 CRI Coming
Fall 2017

Diffuse Flat Lens



	80 CRI				90 CRI			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	86	90	94	97	86	90	94	97
Lumens per foot (305mm)	331	345	359	374	331	345	359	374
Watts per foot (305mm)	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
CRI (>80min., 84 avg.)	-	-	-	-	-	-	-	-
Standard Output (SO)								
Efficacy - Lumens per Watt	105	109	114	118	105	109	114	118
Lumens per foot (305mm)	661	690	719	748	661	690	719	748
Watts per foot (305mm)	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
CRI (>80min., 84 avg.)	-	-	84	-	-	-	84	-
High Output (HO)								
Efficacy - Lumens per Watt	92	96	100	104	92	96	100	104
Lumens per foot (305mm)	1217	1270	1323	1376	1217	1270	1323	1376
Watts per foot (305mm)	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
CRI (>80min., 84 avg.)	-	-	-	-	-	-	-	-

90 CRI Coming
Fall 2017

NOTES & LIMITATIONS

¹Based on testing 4' rail section. Lumen measurement complies with IES-LM-79-08 testing procedures.

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