



Spec Guide

RaceRail™ | Ceiling-Wall Arm | 107

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



RaceRail: direct or indirect, 370° rotation

Benefits & Features

Super Slim Design

Round profile, Ø1.12" (28mm), 370° rotation, angle gage and lock.

Superior Light Quality & Performance

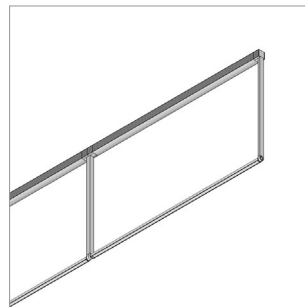
Standard Output is up to 97 lm/W, 599 lm/ft (1964 lm/m) and 85 CRI. Outputs up to 1091 lm/ft (3578 lm/m) are available (see spec sheet for more information).

Adaptive Power Module

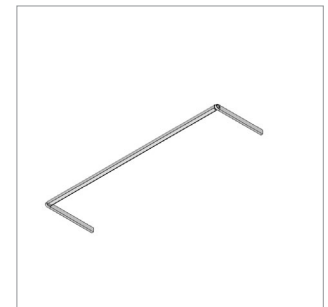
Integral or remote power, 0.1% dimming available for all configurations and protocols.

Adaptive Design

Specification-grade modular system for easy integration into building structure and furniture.



Shown: Integral Driver Housing

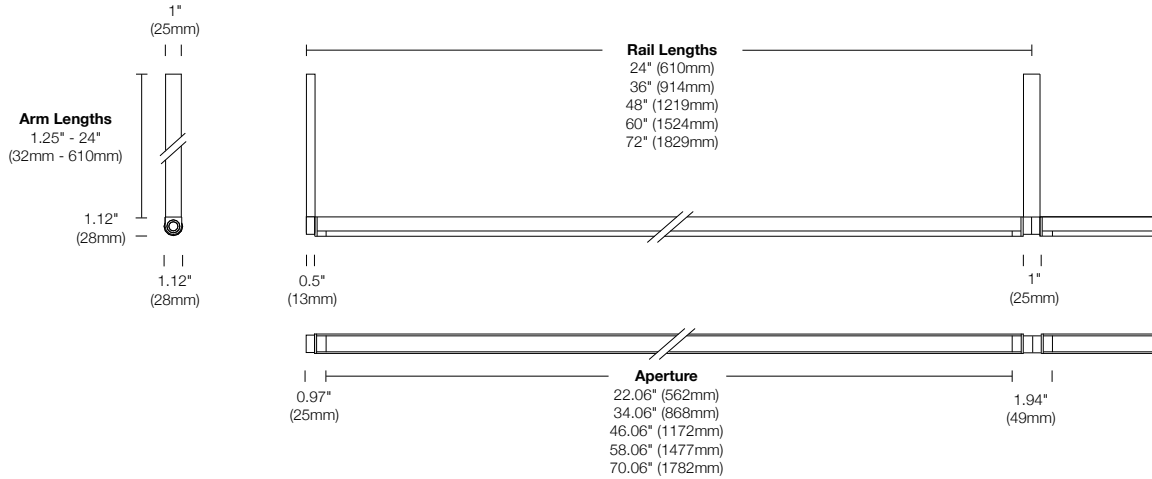


Shown: Zero Canopy

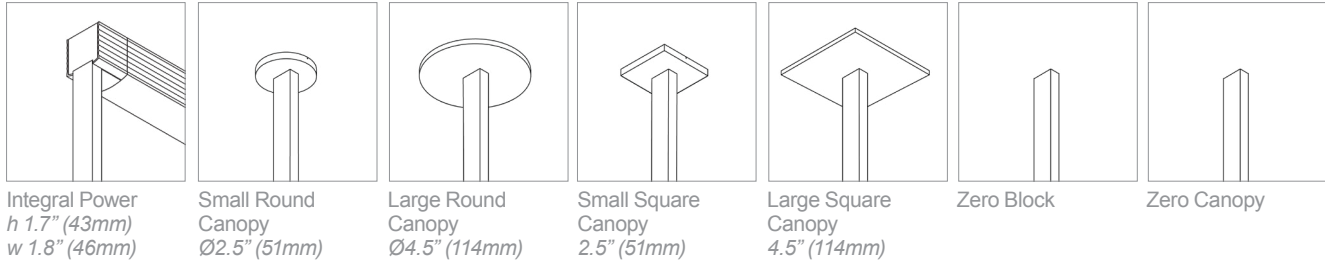
Multiple mounting hardware options designed to fit any application.

Structure

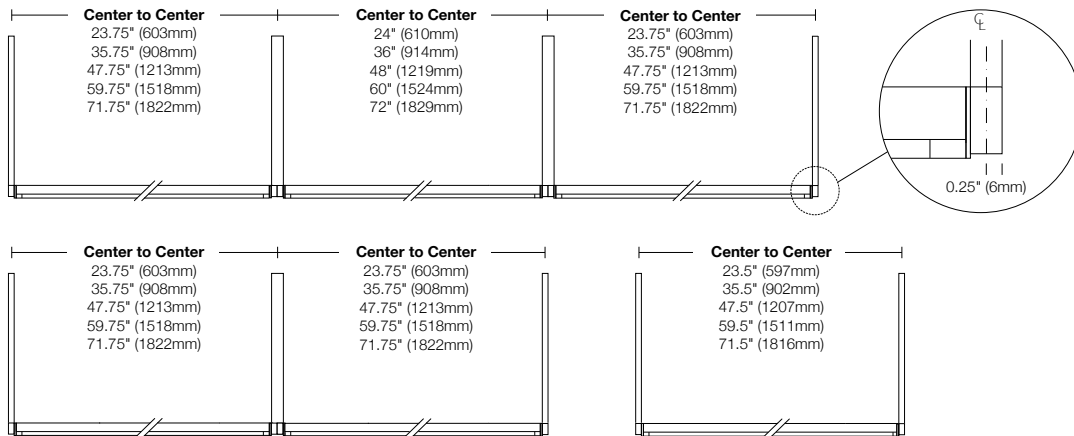
Rail Lengths	24" (610mm), 36" (914mm), 48" (1219mm), 60" (1524mm), 72" (1828mm).
Rail Dimensions	Ø1.12" (28mm).
Construction / Finish	Extruded and machined 6063 aluminum. Clear anodized, black anodized, white painted and non-standard finishes available.
Mounting	Ceiling or wall mount to jbox or driver housing.
Arm Length	1.25" (32mm) – 24" (610mm). Non-standard arm lengths available.
System Run Length	24" (610mm) minimum. Unlimited maximum length.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-85%, non-condensing.
System Weight	0.88lbs (0.40kg) per foot (305mm). ¹



Mounting Hardware



Layout



NOTES & LIMITATIONS

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

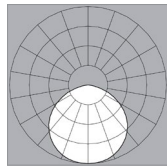
Power / Controls

Power Type	Class 2 (<60v output) constant current driver.
Dimming Controls	Dimming ¹ (0.1%, 1%) and 0-10v, DALI, Lutron EcoSystem™ are available for most configurations. 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.

Zipper Board™

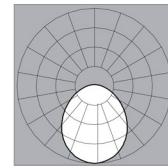
Zipper Board has 72 diodes per foot (305mm). Performance data for standard output listed below.²

Clear Lens



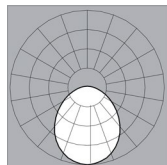
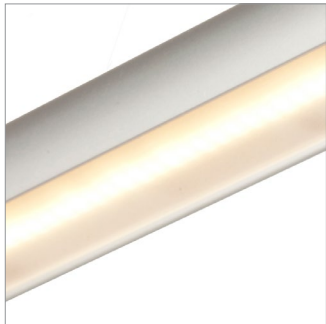
	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	86	89	94	97
Lumens per Foot (305mm) ³	531	553	576	599
Watts per Foot (305mm) ³	6.2	6.2	6.2	6.2
CRI (>80 min., 85 avg.)	-	-	85	-
Lumen Maintenance	60,000 hours L80 @25°C			

Diffuse Round Lens



	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	76	80	83	86
Lumens per Foot (305mm) ³	473	493	513	534
Watts per Foot (305mm) ³	6.2	6.2	6.2	6.2
CRI (>80 min., 85 avg.)	-	-	85	-
Lumen Maintenance	60,000 hours L80 @25°C			

Diffuse Flat Lens



	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	71	74	78	80
Lumens per Foot (305mm) ³	444	463	482	502
Watts per Foot (305mm) ³	6.3	6.3	6.3	6.3
CRI (>80 min., 85 avg.)	-	-	84	-
Lumen Maintenance	60,000 hours L80 @25°C			

NOTES & LIMITATIONS

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

²With non-standard output, RaceRail distributes up to 1091 lm/ft (3578 lm/m) at slightly reduced efficacy. See the [IES Files](#) page for performance data at High Output.

³Based on testing 4' rail section. Lumen measurement complies with IES-LM-79-08 testing procedures.

Build Your Specification

107-RR	01					
System & Rail Type	Single/Double Rail	System Length	Rail Length	Mounting	Arm Length	Power Location
107-RR RaceRail	01 Single Rail	Specify system length in 1ft (305mm) increments.	Select Rail Length. If System Length is not divisible by Rail Length selected, Vode will complete the remainder with appropriate rail length(s). If a specific rail configuration is required, please select ZZ and identify the specific layout desired. 24 24" (610mm) 36 36" (914mm) 48 48" (1219mm) 60 60" (1524mm) 72 72" (1820mm) ZZ Other rail length or layout (please specify)	CA Ceiling Arm WA Wall Arm	1.25 1.25" Arm (32mm) 3 3" Arm (76mm) 6 6" Arm (152mm) 12 12" Arm (305mm) 18 18" Arm (457mm) ¹ 24 24" Arm (610mm) ¹ ZZ Other (please specify) ¹	Integral Power IP Integral Power Remote Power 00 Zero Canopy 0B Zero Block 2R Small Round Canopy 2S Small Square Canopy 4R Large Round Canopy 4S Large Square Canopy

		0	Z		
Power Type²	Voltage	Emergency Power	LED Type	Lumen Output	Color Temperature
AE 0-10v, 1% dimming AT eldoLED 0-10v, 0.1% dimming AD eldoLED DALI, 0.1% dimming AH Lutron EcoSystem, 1% dimming ZZ Other (please specify)	1 120v 4 240v 2 277v	Contact Vode or your Vode agent for emergency power options.	Z Zipper Board	SO Standard Output ZZ Other (please specify) ³	27 2700K 30 3000K 35 3500K 40 4000K ZZ Other (please specify)

			0
Optics	Sensors	Finish	Options
Zipper Board (Z) 0 Clear Lens 1 Diffuse Flat Lens 2 Diffuse Round Lens ZZ Other (please specify)	0 None ZZ Other (please specify) ⁴	AL Clear Anodized WH White Painted BL Black Anodized ZZ Other (please specify)	0 None

NOTES & LIMITATIONS

¹For arms 18" and longer, wall-mounted systems include a cable tie-back.

²Dimming curve is factory preset to linear. Logarithmic is available upon request.

³See [Driver Guide](#) for limitations. See the [IES Files](#) page for performance data at high output.

⁴Occupancy and daylight sensors are available. Contact Vode or your Vode agent with your specific requirements.

5 Year Limited Warranty. All material and component parts used in the manufacture of Vode products are warranted to be free from defects of material and/or workmanship for a period of 5 years from date of sale. Product must be installed according to Vode installation instructions and accepted trade practices. Power supplies and other auxiliary equipment is not covered under Vode warranty but may be covered by separate OEM warranty. See full Vode warranty description [here](#).

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



LED Board Construction – Aluminum MCPCB, PPT connectors, RoHS compliant. Clear Lens, Diffuse Lens – High-impact extruded acrylic glass (PMMA). Baffle – 6063 aluminum, RoHS compliant painted finish. Button Optics – High-impact cast acrylic glass (PMMA), polycarbonate (PC) holder. Power Cable – Ø4mm, 18/2 AWG, Plenum (CMP) rated semi-rigid PVC, flame tested UL-910. 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.

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