



Spec Guide

ZipWave | Wall Cove | 707



Wall cove lighting system for wall wash and grazing applications.



ZipWave: indirect cove light.

Benefits & Features

Perfect Light Distribution

Optimized distribution, no tuning necessary. Designed for Armstrong® AXIOM® Indirect Light Coves and site-built coves.

Superior Light Quality with High Efficiency

Output up to 1666 lm/ft (5465 lm/m) (HO), 132 lm/W (SO). 90 CRI & tunable white (2200K-6500K) available.

Easy Installation, Minimal Electrical Circuits

Simply drops into cove with no tools required. Plug & play integral power and control circuits provided. Up to 533' can be powered with one 277v feed.

Better Beam Performance

EdgeSoft™ lens for soft distribution down wall surface without reflected diode image.



Quick Connect Cables.



Fixture installed in AXIOM Classic-Edge cove

Build Your Specification

707-Z9

SL

0

System & Rail Type	System Type	System Length	Rail Length	Mounting	Arm/Cord Length
707-Z9 ZipWave	SL Standard Linear	Specify overall system length in ft/in or M/mm.	<div>2424" (610mm)</div> <div>3636" (914mm)</div> <div>4848" (1219mm)</div> <div>6060" (1524mm)</div> <div>7272" (1829mm)</div> <div>9696" (2438mm)</div> <div>ZZOther rail length or layout (please specify)</div>	<div>EWEngineered Wall Cove</div> <div>AWArmstrong® Wall Cove</div> <div>ZZOther (please specify)</div>	<div>0None</div>
See Rail Length Chart for more details.					
⚠ Custom lengths may result in light gaps on the fixture. See Rail Length Chart for more details.					

IP

Z

Power Location	Power Type	Voltage	Emergency Power	LED Type
IP Integral Power	<div>Integral Power</div> <div><div>AE0-10V, 1.0% Dimming</div><div>AT0-10V, 0.1% Dimming</div><div>ADDALI, 0.1% Dimming</div><div>AXDMX, 100-0% Dimming</div><div>AHHi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE¹</div><div>AH2ELV 1% 2-wire (Forward and Reverse Phase)²</div></div> <div>ZZOther (please specify)</div>	<div>1120v</div> <div>2120v-277v</div> <div>XNot Yet Specified</div>	<div>0No Emergency Power</div> <div>ZZEmergency Power (specify requirements)</div>	<div>ZZipper Board</div>
See Power Guide for driver features & limitations.				

C1

AL

Lumen Output	Color Temperature	Optics	Sensors	Finish
<div>LOLow Output</div> <div>SOStandard Output</div> <div>HOHigh Output¹</div> <div>ZZOther (please specify)</div>	<div>90+ CRI</div> <div>272700K</div> <div>303000K</div> <div>353500K</div> <div>404000K</div> <div>ZZTunable White Available</div>	<div>C1Clear with EdgeSoft™</div>	<div>0None</div> <div>ZZSensor (specify requirements)</div>	<div>ALClear Anodized</div>
See IES Files page for details.				
See Power Guide for driver features & limitations.		ZZTunable White Available See Guide for details		

Options

0None

CPPChicago Plenum Power



Jumper Cables Sold Separately

Vode offers a 2' (Part Number: PWH-707-Z9-24-MF-WJ) or 6' (Part Number: PWH-707-Z9-72-MF-WJ) jumper for corner installations. Please indicate on your order the type and quantity required.

NOTES & LIMITATIONS

¹ Mounting type available with Chicago Plenum.

² Lengths of 24" and shorter are not supported due to driver limitations. Daisy chaining multiple fixtures to achieve minimum load is permitted but may introduce installation complexity—consult factory for layout guidance.

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.

Standard 5 Year Limited Warranty. See details [here](#). Contact factory for options on Limited Warranties up to 20 years.



Applications

General Interior and Open Office



Airbnb 650 Townsend, San Francisco, CA



BioMed Center New England, Providence, RI

Sustainability & Certifications

DECLARE

International Living Future Institute (ILFI)


 Red List
Approved

All Vode Lighting linear light fixtures proudly carry the Red List Approved designation.


 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:

Steel; Anodized Aluminum (6063-T5 Alloy); Small Electrical Component (RoHS); Copper; **Fluorinated Ethylene Propylene (masterbatch)**; 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

Living Building Challenge Criteria: Compliant

I-13 Red List:

☐ LBC Red List Free % Disclosed: 100% at 100ppm
☒ LBC Red List Approved VOC Content: Not Applicable
☐ Declared

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

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 INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Click here to learn more: [International Living Future Institute](https://living-future.org/declare)

TM65NA

CIBSE & ASHRAE on Embodied Carbon

Vode recognizes TM65NA as the highest standard for understanding the embodied carbon of our fixtures.

Developed with ASHRAE, it adapts CIBSE's TM65 for North America, ensuring accurate regional assessments. It must be used alongside TM65 and follows TM65LA's framework.

System: 707 | ZipWave | Wall Cove
Embodied Carbon (kg CO₂e): 44.38*

***Note:** Embodied Carbon, expressed in kilograms of CO₂e is calculated using a 48" fixture and includes the LED driver.



Click here to learn more [CIBSE, ASHRAE](#).

BAA X BABA

Buy American Act / Build America & Buy America Act Compliance

Vode is dedicated to supporting domestic manufacturing and ensuring compliance with BAA and BABA requirements.

Given the complexity of our products, we recommend reaching out to **vodecares@vode.com** for confirmation regarding compliance for your specific project.



Click here to learn more: [US Department of Commerce](#)

Applications

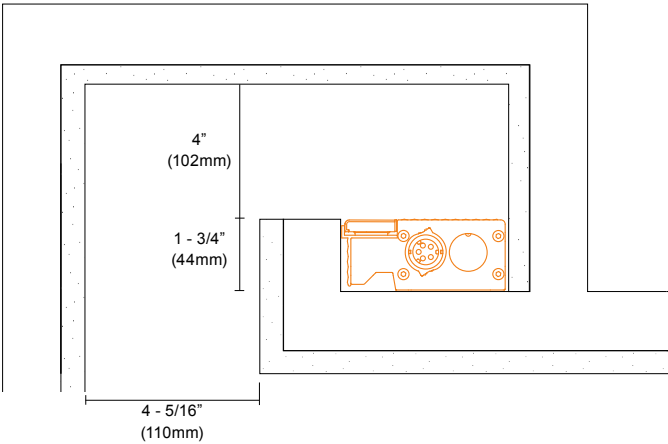
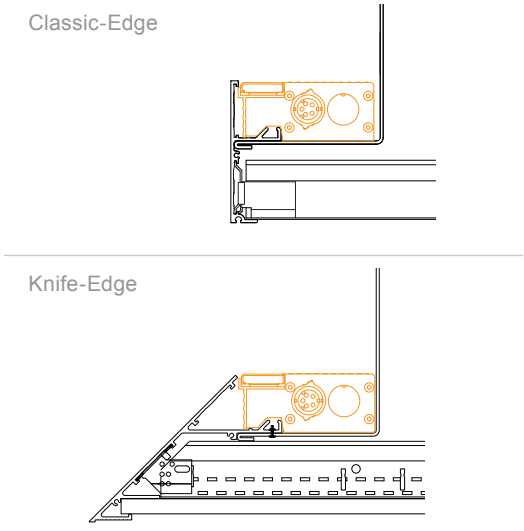
Vode supplies ZipWave cove product only. Armstrong cove products supplied by Armstrong.

Armstrong® AXIOM® Indirect Light Cove, Ceiling-to-Wall

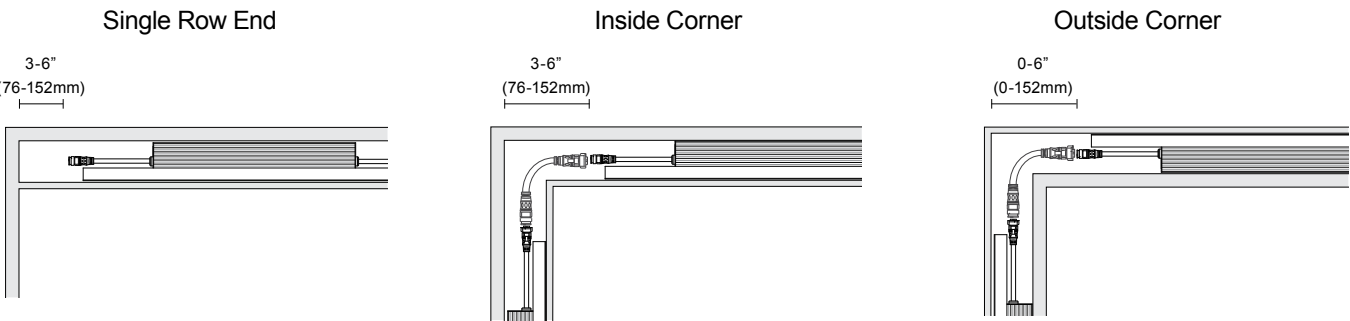
ZipWave perfectly integrates into Armstrong AXIOM Indirect Light Coves and Field Coves to provide seamless light quality in office, hospitality, civic and retail applications.

Engineered or Site-built Wall Cove

ZipWave can easily be placed into a wide variety of engineered commercial lighting coves and site-built coves. Up to 533 feet (162m) of Low Output fixtures can be powered by a single 277v power feed.



Corner Layout



Jumper Cables Sold Separately:
Vode offers a 2' (Part Number: PWH-707-Z9-24-MF-WJ) or 6' (Part Number: PWH-707-Z9-72-MF-WJ) jumper for corner installations. Please indicate on your order the type and quantity required.

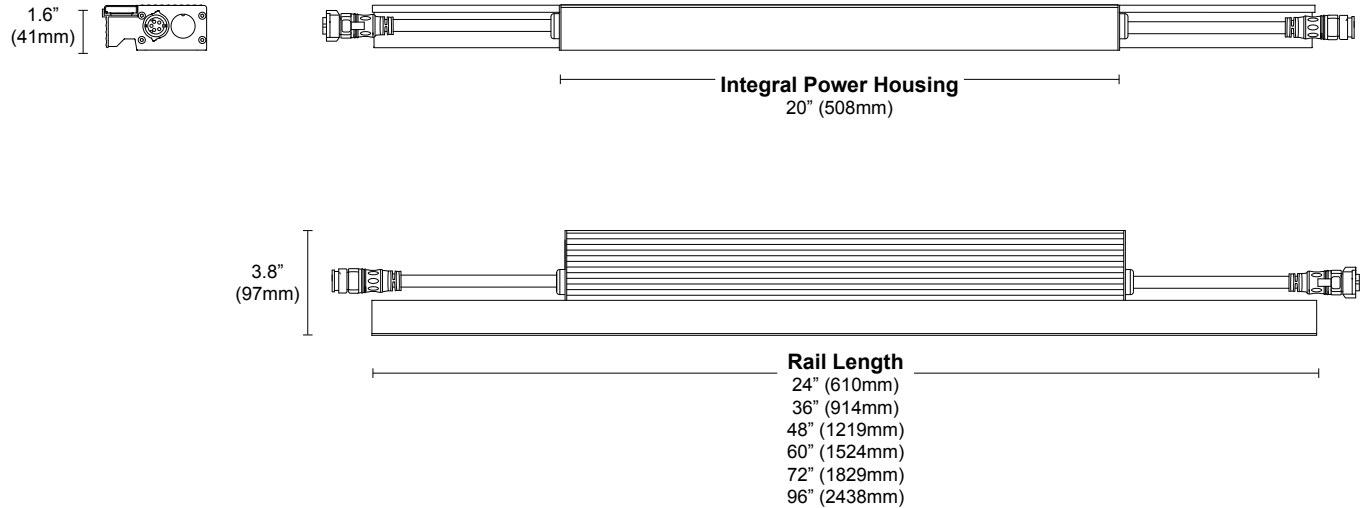
Structure

Rail Lengths	24" (610mm) - 96" (2438mm). 3Modified lengths available. See Rail Length Chart for more details.
Rail Dimensions	1.6" (41mm) x 3.8" (97mm) x length.
Construction	Extruded and machined 6063 aluminum.
Mounting	Integral power housing compatible with Armstrong AXIOM Indirect Light Coves, and Field Coves, engineered and site-built coves.
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.
Weight	1.1 lbs per ft (0.50kg per 305mm). Weight will vary slightly due to driver selection.

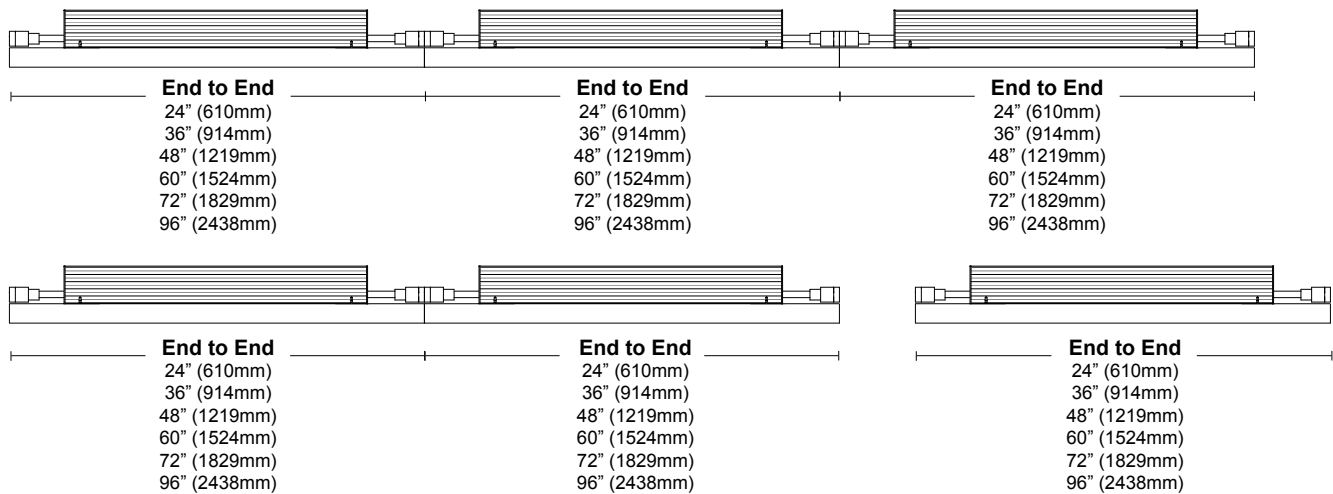
Materials

LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Cable	Ø8mm, 6 wire, UL21388, Mylar Black with UV resistant PVC jacket.

Dimensions



Layout



System Length per Power Feed

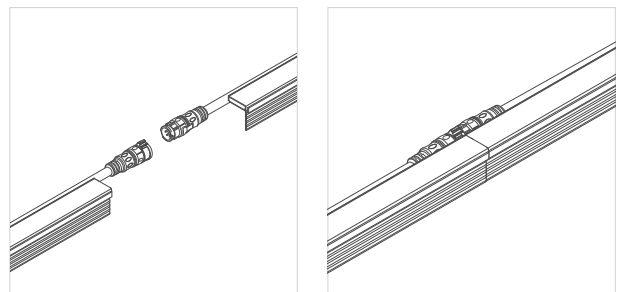
24" - 72" Rail Lengths

Input Voltage	Output		
	LO	SO	HO
120	267' (81m)	134' (40m)	67' (20m)
277	615' (187m)	308' (93m)	154' (46m)

96" Rail Lengths (any system that contains at least one 96" rail)

Input Voltage	Output		
	LO	SO	HO
120	209' (63m)	107' (32m)	54' (16m)
277	481' (146m)	247' (75m)	124' (37m)

Quick Connect Cables



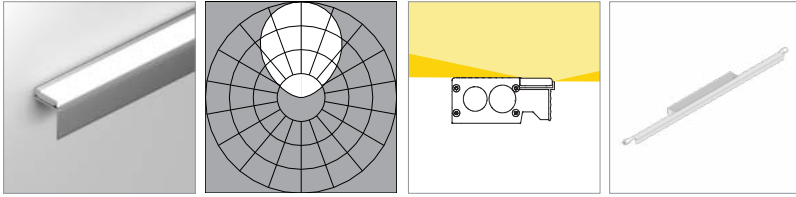
Power and Controls

Power Type	Class 2 (<60V output) constant current driver.
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	Integral power only. Power cable is 27" (686mm) with 7.875" (200mm) male-male jumper.

Performance | Zipper Board Optics

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

Clear with EdgeSoft (C1), fixture only



L80 >60,000 hours

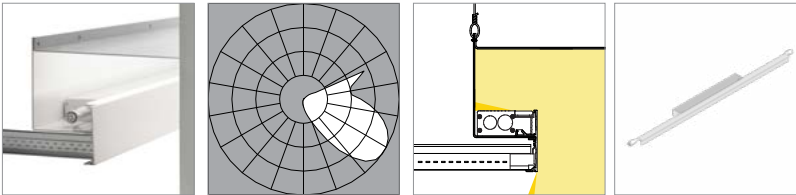
90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	109	112	114	119
Lumens per foot (305mm)	402	415	423	428
Watts per foot (305mm)	3.8	3.8	3.8	3.8

Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	122	126	129	134
Lumens per foot (305mm)	804	830	847	855
Watts per foot (305mm)	6.7	6.7	6.7	6.7

High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	112	116	118	123
Lumens per foot (305mm)	1499	1546	1577	1593
Watts per foot (305mm)	13.5	13.5	13.5	13.5

Clear with EdgeSoft (C1), in cove¹



L80 >60,000 hours

90 CRI (90min., 96 avg.)

Low Output (LO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	52	53	54	55
Lumens per foot (305mm)	191	197	201	203
Watts per foot (305mm)	3.8	3.8	3.8	3.8

Standard Output (SO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	58	60	61	62
Lumens per foot (305mm)	382	394	402	406
Watts per foot (305mm)	6.7	6.7	6.7	6.7

High Output (HO)	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	54	56	57	58
Lumens per foot (305mm)	725	748	763	771
Watts per foot (305mm)	13.5	13.5	13.5	13.5

NOTES & LIMITATIONS

¹Based on testing 4' rail section placed inside 4' cove section of an Armstrong AXIOM Indirect Light Cove, classic profile. Lumen measurement complies with IES-LM-79-08 testing procedures.

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