

# Refinio Media Wall by Peerless-AV®

## 108" ALL-IN-ONE dvLED DISPLAY SOLUTION

### LEDMW-108-2K MODELS



Refinio Media Wall by Peerless-AV® is a refined, all-in-one dvLED display solution designed for high-end executive boardrooms, conference rooms, and training facilities. Combining a FHD COB dvLED display, precision-engineered mounting system, and furniture-grade thermally fused laminate (TFL) cabinetry, Refinio delivers a complete, ready-to-install solution with minimal room preparation. Integrated base cabinetry houses critical AV components for clean, accessible integration – eliminating the need for a separate equipment room – while a wide selection of anti-fingerprint solid colours, and woodgrain finishes ensures lasting durability with a premium aesthetic.



- Also available 108" with VC housing (LEDMW-108-2KVC models) 136" (LEDMW-136 models) and 163" (LEDMW-163 models) dvLED configurations to support a variety of room sizes and viewing distances
- Features furniture-grade TFL cabinetry offered in a range of standard and custom finishes
- Includes press-to-release, soft-close cabinet doors for smooth, quiet access and a premium user experience
- Integrated LED base illumination elevates the overall design, creating a more polished, professional environment
- Utilizes natural convection cooling, and also includes thermostatically controlled, whisper-quiet fans to maintain proper operating temperatures
- Supports integration of third-party AV equipment, including video conferencing systems and power protection



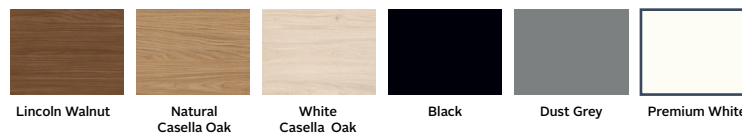
**ALL-IN-ONE SOLUTION**  
Includes a FHD COB dvLED display, precision-engineered mounting system, and furniture-grade TFL cabinetry, for fast and streamlined technology deployment

**INSTALLATION-FRIENDLY DESIGN**  
Designed for quick installation with minimal room preparation to reduce overall project time and cost

**CONVENIENT COMPONENT STORAGE**  
Base cabinets include an integrated 2RU rack, shelf, and component tray to maximize usable space and keep equipment organized and easily accessible

White Casella Oak Finish Shown

#### CABINETRY COLOUR OPTIONS



dvLED Display Specifications

FHD Model

SIZE	108" (2400 x 1350 mm)
PIXEL PITCH	1.2 pp
RESOLUTION	FHD
LED LAMP TYPE	COB
MAX BRIGHTNESS	600 nits
CONTRAST	12,000 : 1
COLOUR BIT	22 bit
REFRESH RATE	3840 Hz
VIEWING ANGLE	H 178° / V 178°
RECEIVING CARD	NS6323A
CONTROLLER	NovaStar MX20
OPERATING TEMPERATURE RANGE	-10° to 45°C (14°F to 113°F)
OPERATING HUMIDITY RANGE	10% to 80%
LIFESPAN	100,000 Hours
INPUT VOLTAGE	100-240V, 50/60Hz
POWER CONSUMPTION	369W Avg
	1102W Max
COLOUR GAMUT	DCI-P3 : 99.49%
	Rec. 709 : 100%
	Rec. 2020 : 86.13%
SPARE PARTS INCLUDED	Pixel Modules (x4), Receiver Cards (x2), Hub Boards (x2), Power Supplies (x2), Service Tool



dvLED Controller Specifications

NOVASTAR MX20 (FHD)

INPUTS	2x HDMI v1.3, 1x 3G-SDI
OUTPUTS	LED OUTPUTS: 6x 1 Gbps
	OPTICAL FIBER OUTPUTS: 2x 10 Gbps
	Genlock
BIT RATE	10 bit
CONTROL	TCP/IP, RS232: 2x RJ45
LOADING CAPACITY	MAX PIXELS PER OUTPUT: 650,000 Pixels
TOTAL PIXELS	3.9 Million Pixels
	MAXIMUM INPUT RESOLUTION: 1920 x 1080 @ 60Hz
	MAX OUTPUT WIDTH/HEIGHT: 3840 Pixels x 2560 Pixels
BUILT-IN SCALING	Custom, Pixel to Pixel, Snap to Canvas, Fill Screen
SUPPORTED LAYERS	~3 Layers
POWER INPUT	100-240V, 50/60Hz
MAX POWER CONSUMPTION	50W
OPERATING TEMPERATURE RANGE	-20°C to 45°C (-4°F to 113°F)
RACK DIMENSIONS	1RU
DIMENSIONS	482.6 x 49.9 x 384mm (19" x 1.96" x 15.12")
WEIGHT	4.5kg (9.92lb)
CERTIFICATIONS	CE, RoHS, FCC, IC, UL, CB
ACCESSORIES INCLUDED (1 EACH)	Power Cord, Ethernet Cable, HDMI Cable, Certificate of Approval

Product Specifications

	DIMENSIONS (W x H x D)	PRODUCT WEIGHT	FINISH	CABINET COLOURS
LEDMW-108-2KB	2443 x 2546 x 180mm (96.18" x 100.25" x 7.08")	202kg (445lb)	Thermally Fused Laminate (TFL)	Black
LEDMW-108-2KW				Premium White
LEDMW-108-2KG				Dust Grey
LEDMW-108-2KL				White Casella Oak
LEDMW-108-2KM				Natural Casella Oak
LEDMW-108-2KD				Lincoln Walnut

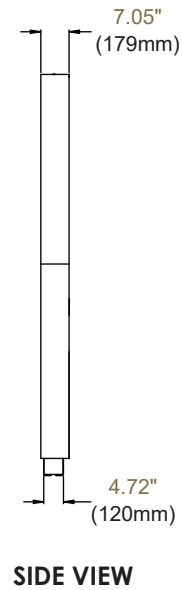
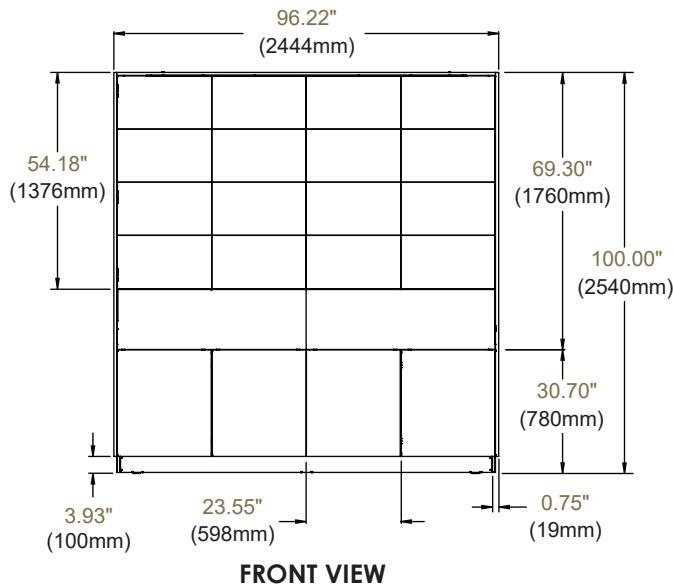
Package Specifications

	PACKAGE SIZE (W x H x D)	PACKAGE SHIP WEIGHT	PACKAGE UPC CODE	PACKAGE CONTENTS	UNITS IN PACKAGE
LEDMW-108-2KB	COMING SOON	COMING SOON	735029361640	FHD COB dvLED Display @ 1.2 pp	1
LEDMW-108-2KW			735029361657	NovaStar MX20 dvLED Mount	
LEDMW-108-2KG			735029361664	Furniture-Grade TFL Cabinetry Thermostatically Controlled Fans (4)	
LEDMW-108-2KL			735029361671	2RU Equipment Rack (1) Shelf (1)	
LEDMW-108-2KM			735029361688	Universal AV Component Tray (1)	
LEDMW-108-2KD			735029361695	LED Base Lights	

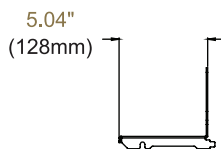
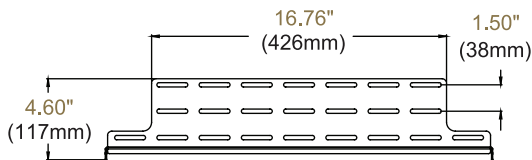
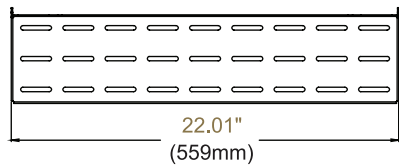
Accessories

- LEDMW-A2RU:** 2RU Equipment Rack
- LEDMW-ACCC:** Crestron® Collab Compute Mounting Bracket
- LEDMW-ACFX:** Crestron® Flex Mounting Bracket
- LEDMW-ACTY:** Universal AV Component Tray
- LEDMW-ADLK:** Door Lock
- LEDMW-AFAN:** Exhaust Fan
- LEDMW-ASHF:** Shelf
- ACC-UK4GIEC:** UK Power Strip
- ACC-EU3GIEC:** EU Power Strip

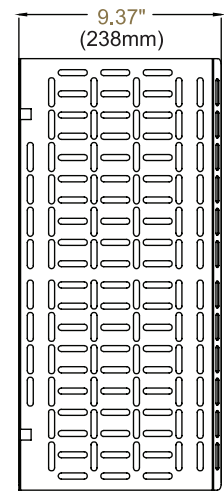
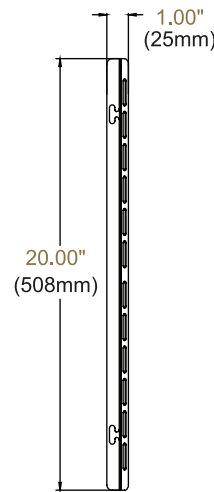
All dimensions = inch (mm)



**SHELF**



**COMPONENT TRAY**



**Architect Specifications**

The Refinio Media Wall by Peerless-AV® 108" All-In-One dvLED Display Solution shall be a Peerless-AV LEDMW-108-2K Models models and shall be located where indicated on the plans. Assembly and installation shall be done according to instructions provided by the manufacturer.

Visit [peerless-av.com](http://peerless-av.com) to see the complete line of AV solutions from Peerless-AV, including outdoor displays, kiosks, display mounts, projector mounts, carts/stands, and a full assortment of accessories.

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