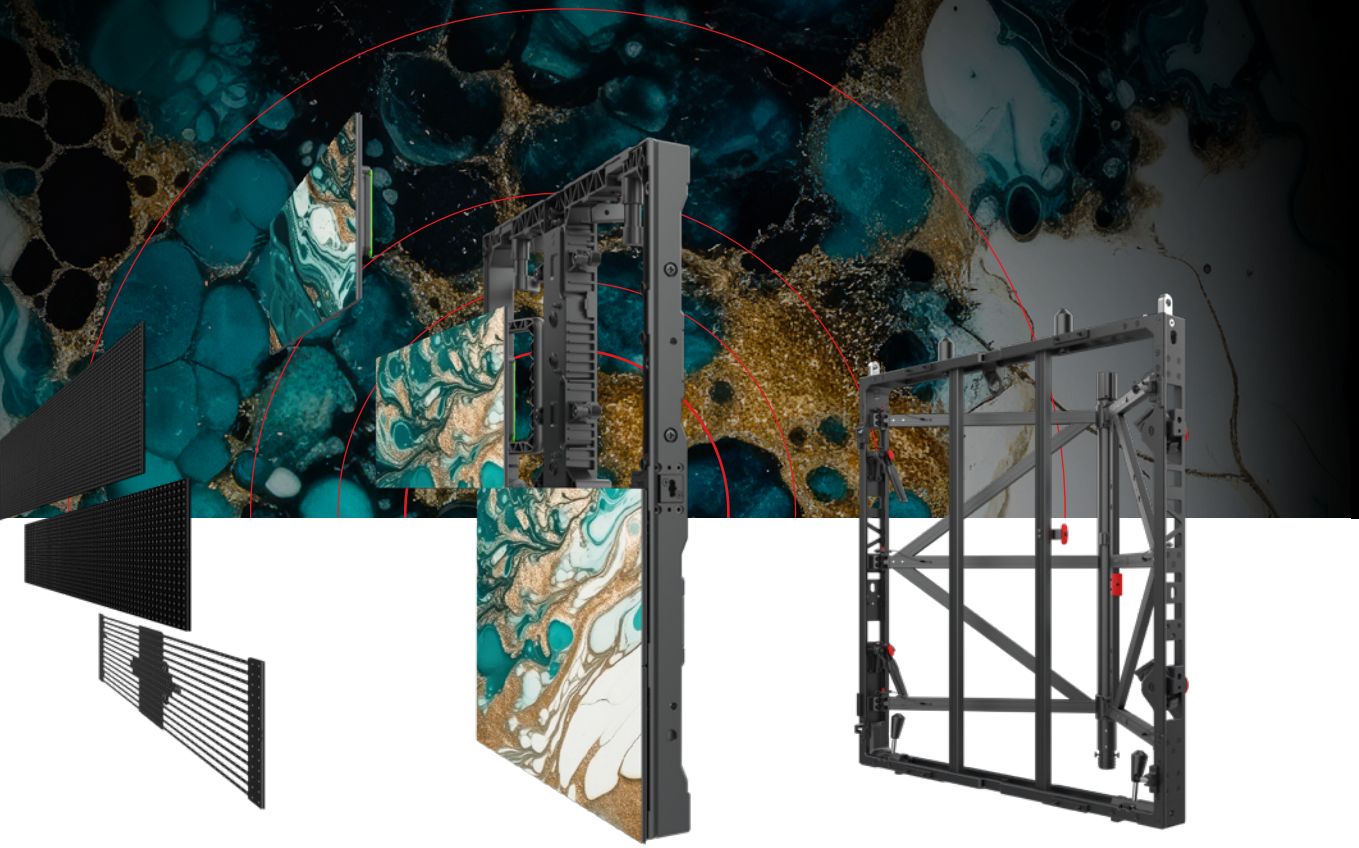


One System.
Every Scenario.

Emerald is the all-in-one solution for demanding rental markets, from large-scale outdoor productions to high-end indoor displays. Its scalable design, toolless assembly, and smart accessories make it the go-to choice for production companies seeking maximum adaptability with minimal effort, without compromising quality.

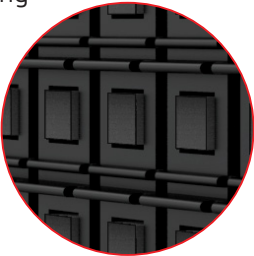


One Frame.
Seamless Adaptability.

With Emerald, versatility comes built in. The base frame is engineered to support all module types — EM3.9-V, EM5.9, and EM8.9 — allowing you to switch between pixel pitches simply by replacing modules in the frame. Add the wind-resistant frame, and your indoor configuration transforms effortlessly into a rugged outdoor LED screen. Whether you’re facing a stadium crowd or a corporate event, Emerald adapts — so you don’t have to.

Built-in Protection.
Enhanced Visuals.

The EM3.9-V and EM5.9 modules come equipped with integrated shaders above each LED and a protective edge below. This dual design not only shields the LEDs from impact during handling and use, but also improves contrast by reducing ambient light reflections. Whether you’re working in bright environments or fast-paced rental settings, Emerald delivers performance you can rely on — pixel by pixel.

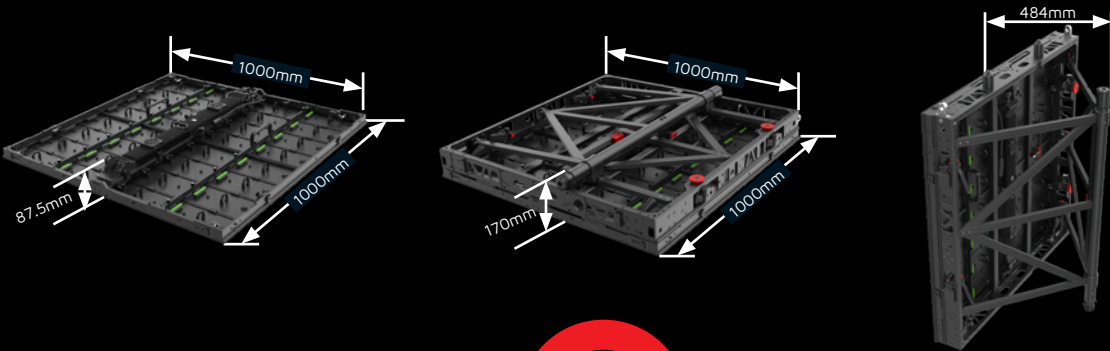


Specifications

Emerald	EM3.9-V	EM5.9	EM8.9
Pixel Pitch	3.9mm	5.9mm	8.9mm
Max Brightness	5000nits	5000nits	4500nits
Panel Dimension	500 x 1000 x 87.5 mm 19.69" x 39.4" x 3.44"	1000 x 1000 x 87.5 mm 39.4" x 39.4" x 3.44"	1000 x 1000 x 87.5 mm 39.4" x 39.4" x 3.44"
Panel Dimension with support frame close	500 x 1000 x 190 mm 19.69" x 39.4" x 7.48"	1000 x 1000 x 170 mm 39.4" x 39.4" x 6.69"	1000 x 1000 x 170 mm 39.4" x 39.4" x 6.69"
Panel Dimension with support frame open	500 x 1000 x 484 mm 19.69" x 39.4" x 19.06"	1000 x 1000 x 484 mm 39.4" x 39.4" x 19.06"	1000 x 1000 x 484 mm 39.4" x 39.4" x 19.06"
Panel Resolution (H x V)	128 x 256	168 x 168	112 x 112
Panel Weight	9.9Kg; 21.83lbs (estimated)	15.5Kg; 34.17lbs (estimated)	12.9Kg; 28.44lbs (estimated)
Panel Weight (with frame and ladder)	26.6Kg; 58.64lbs (estimated)	38Kg; 83.78lbs (estimated)	35.4Kg; 78.26lbs (estimated)
Power Consumption Max / Avg	375W / 187.5W	710W / 355W (estimated)	480W / 240W
BTU Max / Average	1280 / 590	2425 / 1115	1640 / 755
Serviceability	Front / Rear	Front / Rear	Front / Rear
Panel Curving	Concave 10°-Convex 10°	Concave 10°-Convex 10°	Concave 10°-Convex 10°
Frame Curving	Concave 10°, 0°, Convex 10°	Concave 10°, 0°, Convex 10°	Concave 10°, 0°, Convex 10°
Max. Hanging (panels)	16 (24 with frame and ladders)	16 (24 with frame and ladders)	16 (24 with frame and ladders)
Max. Stacking (panels)	6	6	6
LED Configuration	SMD 1415 Black	SMD 1921 Black	SMD 1415 White
Viewing Angle Horizontal	160°	160°	160°
Viewing Angle Vertical	120°	130°	160°
Scan Ratio	1/8	1/7	1/4
Refresh Rate	7680Hz	7680Hz	7680Hz
Gray Scale	16bit	16bit	16bit
Frame Material	Magnesium alloy	Magnesium alloy	Magnesium alloy
Processing Platform	Brompton / Megapixel / Evision	Brompton / Megapixel / Evision	Brompton / Megapixel / Evision
Operational Temp / Humidity	-20°-45°C, 10-90%RH -4°-113°F, 10-90%RH	-20°-45°C, 10-90%RH -4°-113°F, 10-90%RH	-20°-45°C, 10-90%RH -4°-113°F, 10-90%RH
Storage Temp / Humidity	-40°-60°C, 10-90%RH -40°-140°F, 10-90%RH	-40°-60°C, 10-90%RH -40°-140°F, 10-90%RH	-40°-60°C, 10-90%RH -40°-140°F, 10-90%RH
IP Rating	IP65	IP65	IP65
Certifications	CE, FCC, ETL, UKCA, WEEE, ROHS	CE, FCC, ETL, UKCA, WEEE, ROHS	CE, FCC, ETL, UKCA, WEEE, ROHS

Notes: The specifications are for reference, actual values may vary.

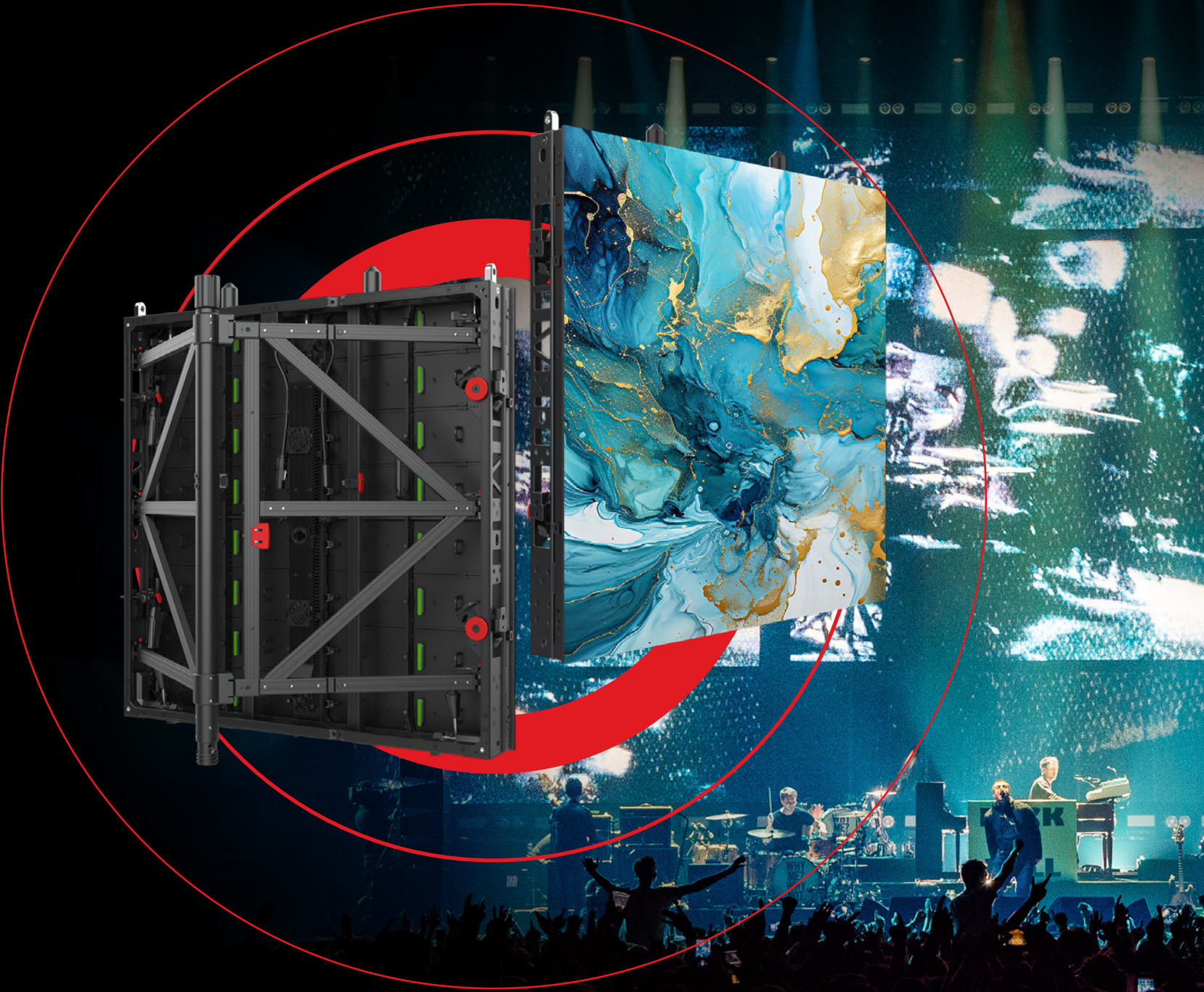
Dimensions



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ROE
CREATIVE DISPLAY



EMERALD

The Agile LED platform

IN- & OUTDOOR LED PANELS

“ **Designed for indoor and outdoor use, this agile LED solution adapts effortlessly to your rental needs—season after season** ”

Pure Impact. Uncompromised Visuals.

Prepare to mesmerize your audience with the dazzling brilliance of the Emerald LED panel series, boasting high brightness and contrast features that immerse viewers in vivid visual spectacles. With up to 5000 nits of brightness, Emerald is your answer to outdoor events.

No Limits. Full Flexibility.

The Emerald LED panel is designed to meet the shifting demands of live events, touring, and fixed installations across all seasons. With multiple panel sizes and a modular, wind-resistant frame that can be added when needed, Emerald lets you build bold, boundary-free setups indoors or out. Wherever your creativity takes you, Emerald is ready to perform.

Less Effort. Smarter Setup.

Live events are all about efficiency, and your gear should be able to keep up. Built with a lightweight magnesium alloy frame, Emerald weighs just 15.5 kg per square meter—20% lighter than most indoor LED panels. This smart design simplifies logistics, speeds up installation, and reduces labor costs, helping crews move fast without compromising stability or durability.

Interchangeable Modules. Reliable Uptime.

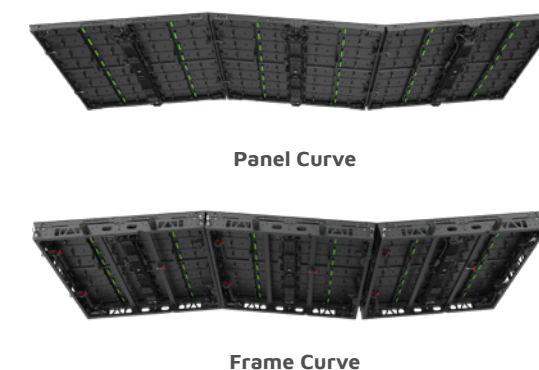
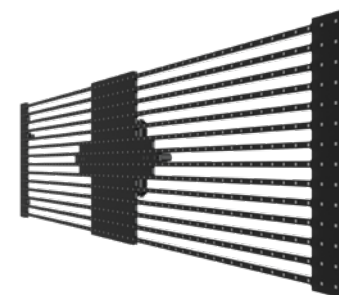
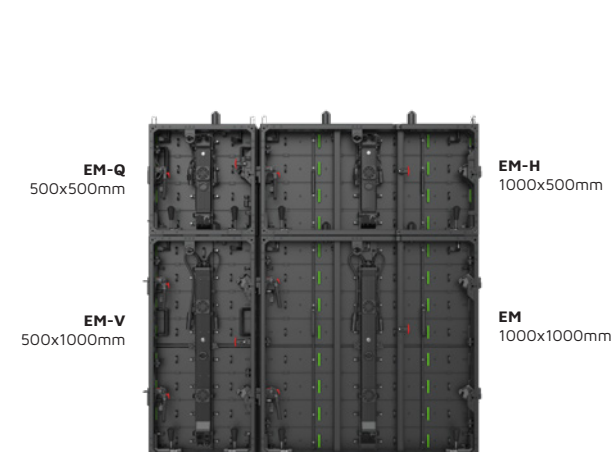
When time matters, maintenance should be quick and hassle-free. Emerald’s interchangeable magnetic LED modules and integrated quick-release screws make repairs and replacements seamless, minimizing downtime and maximizing operational reliability. The result? A system you can count on, with less disruption and more peace of mind.

Lightweight Design. Limitless Creativity.

The EM8.9 adds a creative edge to the Emerald platform with 30% transparency, making it ideal for innovative stage designs and eye-catching visual effects at concerts and live events. Its see-through structure opens up new possibilities for lighting integration and layered depth, while its reduced weight makes it easier to handle and transport.

Designed to Curve. Built to Impress.

Whether your design calls for a concave sweep or a clean, linear setup, Emerald’s ability to curve with precision from 10 to -10 degrees adds powerful visual dimension to any stage or screen. This versatility opens new creative possibilities while keeping the setup efficient and structurally sound.



Foldable Wind-load Bracing System

High Contrast & High Brightness LED

Light panel and Touring Frame

Curving Capability

Fast and Easy Service Access

Clever Storage with Dedicated Dolleys