

ROE Display Solutions



Coral

Fine Pitch COB LED Panel for Unparalleled Visuals

INDOOR FIXED INSTALL

Introducing Coral, a high-performance LED panel platform for permanent installations. Featuring Chip on Board (COB) technology, Coral delivers high contrast, a wide color gamut, and outstanding color accuracy for a superior high-definition viewing experience. Its energy-efficient common cathode design reduces costs and extends service life, making it a sustainable choice.

HDR

HDR supported LED technology



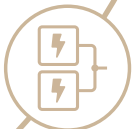
COB technology



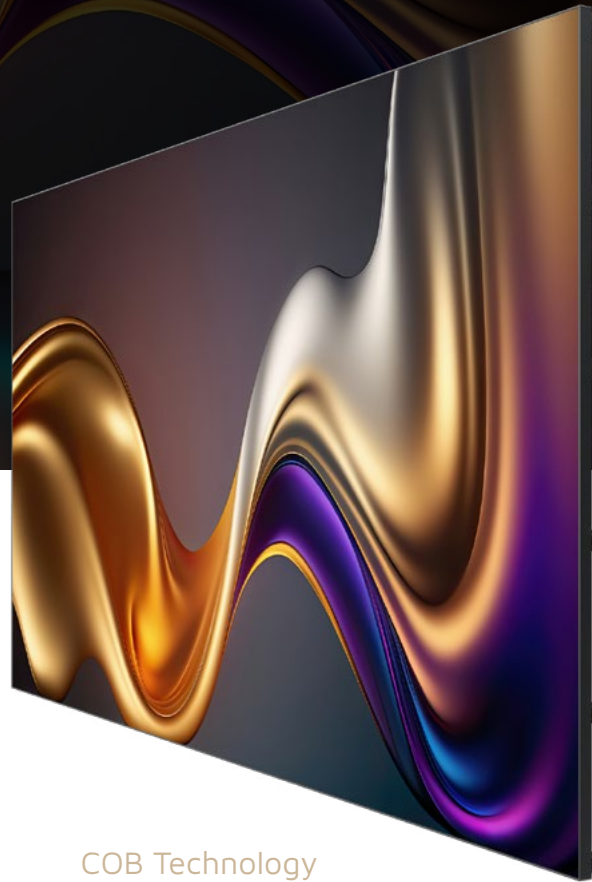
Sustainable choice, low energy consumption



Waterproof LED panel surface



Power redundancy



COB Technology

Flip Chip COB Technology

Coral features COB technology, providing an LED panel with an anti-static, water-resistant surface. Its protective layer safeguards the LED pixels, ensuring even the smallest pixel pitches maintain a minimal failure rate. Designed for stability and reliability, the Coral LED panel delivers consistent performance with minimal maintenance requirements. The dual-mixed bin chips and the black-core PCB enhance color consistency and improve black levels.

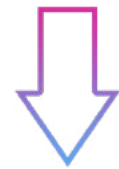
Coral – An Impeccable Visual Experience

Coral delivers outstanding visual performance, making it ideal for high-demand environments such as hospitality and corporate applications, where every detail matters. Designed with precision, it features a remarkable 1000-nit brightness and an ultra-high 7680Hz refresh rate. Its 16:9 aspect ratio ensures seamless integration with native 4K and 8K resolutions, guaranteeing stunning, high-quality visuals.

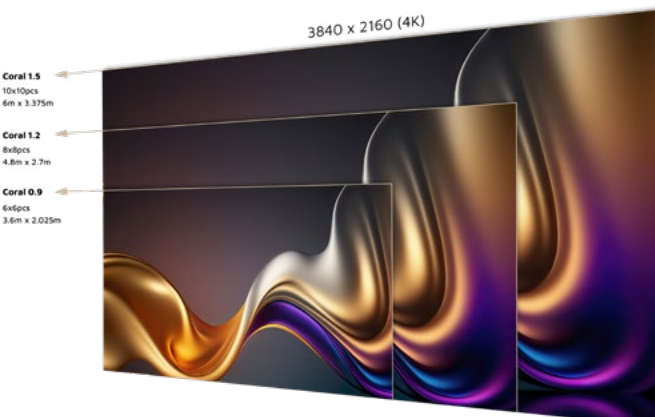


Energy Efficient for Long-Term Savings

Coral's innovative Flip-Chip common cathode LED design and carefully selected components reduce energy consumption by 50% while minimizing heat generation. By extending the panel's lifecycle, Coral supports a sustainable approach while lowering the total cost of ownership.



**50%
Reduction**



Superior Flatness with 6 Axes Adjustment System

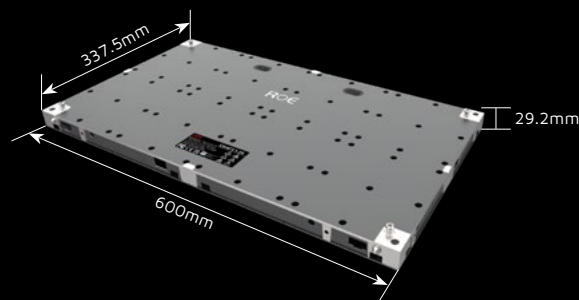
Coral is offered in pixel pitches of 0.9mm, 1.2mm, and 1.5mm, providing exceptional image quality with remarkable detail. With precise dimensions of 600mm x 337.5mm, it ensures seamless integration and features 6 axes of adjustment. A meticulously engineered high-precision mounting frame enhances the installation process, ensuring a stunning visual experience.

Specifications

Coral	Coral S 0.9	Coral S 1.2	Coral S 1.5
Pixel Pitch	0.93mm	1.25mm	1.56mm
LED Configuration	Flip-chip COB	Flip-chip COB	Flip-chip COB
Max Brightness Calibrated	1000nits	1000nits	1000nits
Panel Dimension (W x H)	600mm x 337.5mm x 29.2mm 23.6" x 13.3" x 1.15"	600mm x 337.5mm x 29.2mm 23.6" x 13.3" x 1.15"	600mm x 337.5mm x 29.2mm 23.6" x 13.3" x 1.15"
Panel Resolution (H x V)	640 x 360	480 x 270	384 x 216
Panel Weight	5.4kg; 11.9lbs	5.4kg; 11.9lbs	5.4kg; 11.9lbs
Panel Power Consumption Max / Average	60W / 30W	60W / 30W	60W / 30W
Panel BTU Max / Average	205 / 95	205 / 95	205 / 95
Transparency	Solid	Solid	Solid
Serviceability	Front	Front	Front
Viewing Angle Horizontal	170°	170°	170°
Viewing Angle Vertical	160°	160°	160°
Refresh Rate	7680Hz	7680Hz	7680Hz
Gray Scale	16bit	16bit	16bit
Frame Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Processing Platform	Megapixel / NovaStar	Megapixel / NovaStar	Megapixel / NovaStar
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 (Front/Reverse)	IP40	IP40	IP40
Certifications	CE / ETL / FCC / UKCA / ROHS / WEEE	CE / ETL / FCC / UKCA / ROHS / WEEE	CE / ETL / FCC / UKCA / ROHS / WEEE

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

Dimensions



www.roevisual.com

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