

# 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



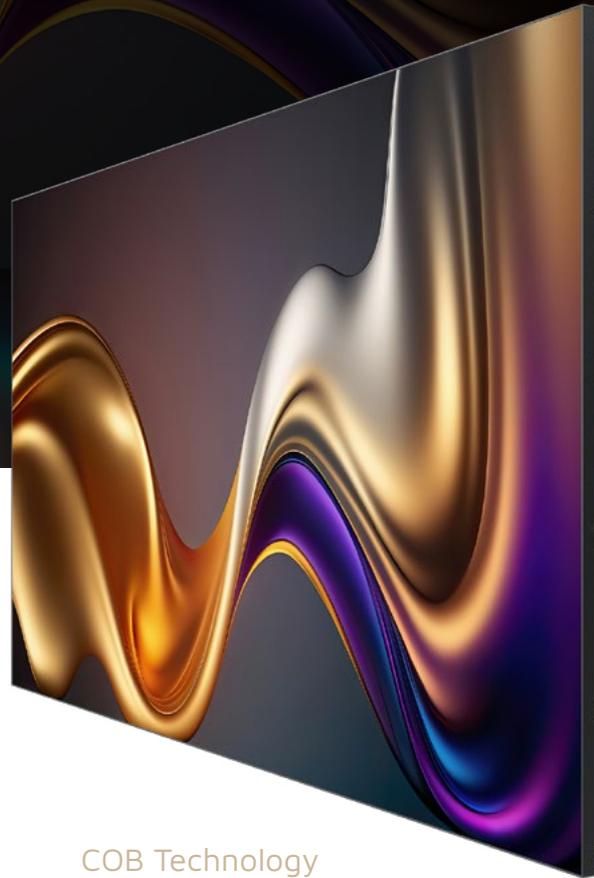
Sustainable choice, low energy consumption



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

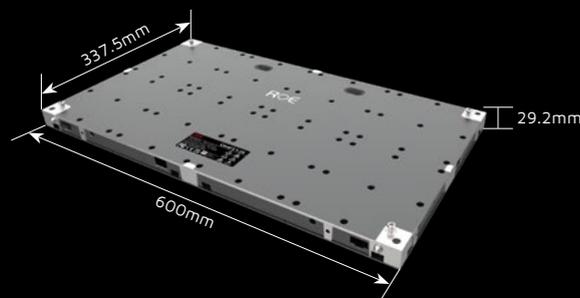
Coral is offered in pixel pitches of 0.9mm, 1.2mm, and 1.5mm, providing exceptional image quality with remarkable detail. With precise dimensions of 600mm x 337.5mm, it ensures seamless integration and features 6 axes of adjustment. A meticulously engineered high-precision mounting frame enhances the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



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