

**ROE** Display  
Solutions



## **Coral COB**

Fine Pitch COB LED Panel for Unparalleled Visuals

INDOOR FIXED INSTALL

Introducing Coral, an exceptional LED panel platform designed for permanent installations. With remarkable visual performance, Coral's Chip on Board technology delivers high contrast, wide color gamut, and exceptional color accuracy, providing an unparalleled high-definition viewing experience. Its energy-efficient common cathode design saves costs and extends the panel's service life, making it a sustainable choice.

**HDR**

HDR supported LED technology



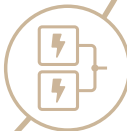
COB technology



Sustainable choice, low energy consumption



Waterproof LED panel surface



Power redundancy



COB Technology

## Flip Chip COB Technology

The Coral series uses COB technology, creating a LED panel with an anti-static and water resistant surface. Due to the COB technology, the LED pixels are protected by a protective surface, even the smallest pixel pitches will have a minimal failure rate. The Coral LED panel has a stable and reliable performance, and minimal maintenance requirements.

## Coral – An Impeccable Visual Experience

Coral provides a superb visual performance, making it a perfect choice for demanding circumstances, like hospitality or corporate applications, where every detail matters. Coral boasts excellent product specifications, with a remarkable brightness of 1000nits and a refresh rate of 7680Hz. Its 8:9 aspect ratio makes it a perfect fit for native 4K or 8K resolutions, guaranteeing impeccable visuals.



## Low Energy Consumption - Reduce Costs of Ownership

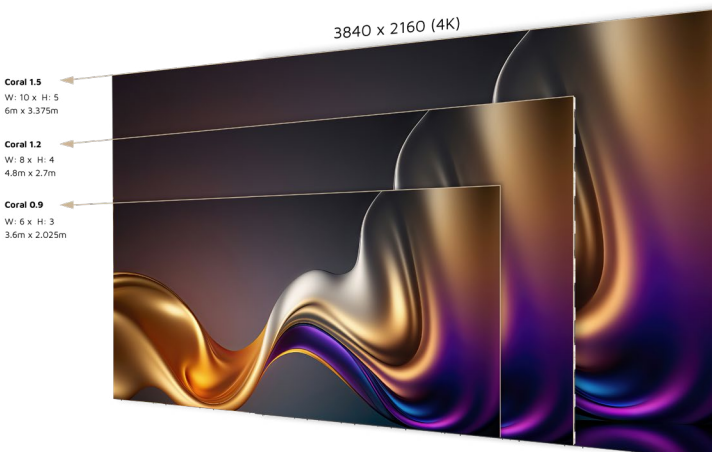
With its innovative Flip-chip common cathode LED design and carefully selected components, Coral reduces energy consumption by 50% and generates less heat.

Its customized Power Supply Unit (PSU) has a standby / power-off feature, enhancing the panels' energy efficiency by automatically shutting down when not in use.

By extending the panels' life cycle, you can adhere to a sustainable approach and reduce your cost of ownership.



**50%  
Reduction**



## High Efficiency on Installation

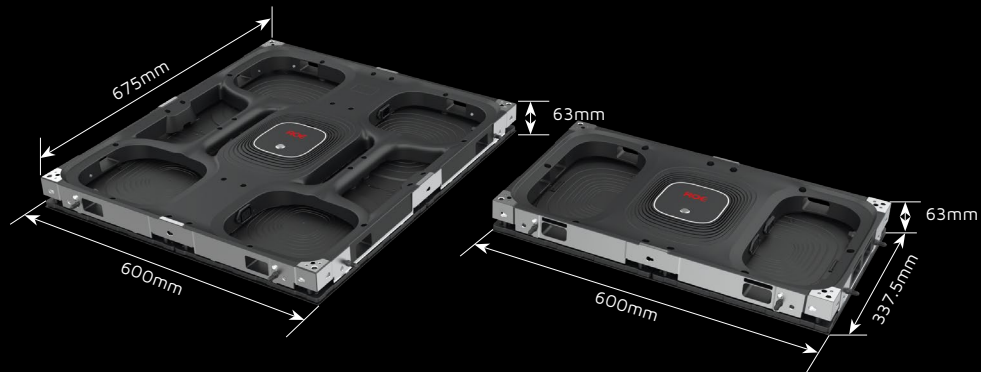
The Coral LED panel is deliverable in pixel pitches of 0.9mm, 1.2mm and 1.5mm, offering stunning image quality and incredible detail. Measuring 600mm x 675mm, the modular Coral LED panels fit any size or shape required. The Coral LED panels provide easy and efficient mounting, saving precious installation time.

# Specifications

Coral	Coral COB 0.9	Coral COB 0.9 Half	Coral COB 1.2	Coral COB 1.2 Half	Coral COB 1.5	Coral COB 1.5 Half
Pixel Pitch	0.9375mm	0.9375mm	1.25mm	1.25mm	1.5625mm	1.5625mm
LED Configuration	COB	COB	COB	COB	COB	COB
Brightness (Nit or CD/m <sup>2</sup> )	1000nits	1000nits	1000nits	1000nits	1000nits	1000nits
Panel Dimension	600mm x 675mm x 63mm 23.62" x 26.57" x 2.48"	600mm x 337.5mm x 63mm 23.62" x 13.29" x 2.48"	600mm x 675mm x 63mm 23.62" x 26.57" x 2.48"	600mm x 337.5mm x 63mm 23.62" x 13.29" x 2.48"	600mm x 675mm x 63mm 23.62" x 26.57" x 2.48"	600mm x 337.5mm x 63mm 23.62" x 13.29" x 2.48"
Module Size (W x H)	300mm x 337.5mm	300mm x 337.5mm	300mm x 337.5mm	300mm x 337.5mm	300mm x 337.5mm	300mm x 337.5mm
Panel Resolution (H x V)	640 x 720	640 x 360	480 x 540	480 x 270	384 x 432	384 x 216
Weight Per Panel	14kg / 30.86lbs	8.1kg / 17.86lbs	14kg / 30.86lbs	8.1kg / 17.86lbs	14kg / 30.86lbs	8.1kg / 17.86lbs
Power Consumption Max / Average	160W / 80W	80W / 40W	160W / 80W	80W / 40W	160W / 80W	80W / 40W
BTU Max / Average	545 / 250	275 / 125	545 / 250	275 / 125	545 / 250	275 / 125
Transparency	Solid	Solid	Solid	Solid	Solid	Solid
Serviceability	Front	Front	Front	Front	Front	Front
Viewing Angle Horizontal	160°	160°	160°	160°	160°	160°
Viewing Angle Vertical	140°	140°	140°	140°	140°	140°
Scan Ratio	1/36	1/36	1/27	1/27	1/27	1/27
Refresh Rate	3840Hz	3840Hz	7680Hz	7680Hz	7680Hz	7680Hz
Gray Scale	15bit	15bit	15bit	15bit	15bit	15bit
Frame Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Processing Platform	Brompton / Megapixel / Novastar	Brompton / Megapixel / Novastar	Brompton / Megapixel / Novastar	Brompton / Megapixel / Novastar	Brompton / Megapixel / Novastar	Brompton / Megapixel / Novastar
Installation	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting	Hanging / Stacking / Mounting
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	-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	-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	IP40	IP40	IP40

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

## Dimensions



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