CRC-093v1-0.9

INDOOR COB LED PANEL FOR COMPOSITE SCREENS FOR FIXED INSTALLATIONS 0.93MM PITCH 600X337,5MM

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The **Crystal COB Series** is a premium display solution designed for fixed indoor installations requiring exceptional visual clarity and reliability. With an **ultra-fine 0.93mm pixel pitch**, it delivers stunning detail and sharpness, making it ideal for high-end corporate environments, control rooms, broadcast studios, and retail spaces.

Equipped with **Flip-Chip COB (Chip-on-Board) technology**, the panel has enhanced performance, durability, and efficiency compared to traditional SMD LEDs. Installation is hassle-free, featuring **seamless splicing technology**, front service access, and uniform mounting, streamlining setup and maintenance.

Its **175° horizontal and vertical viewing angle** guarantees superior visibility from any position, providing a truly immersive viewing experience. The panel is sealed with epoxy resin, making it water and dust-resistant, ensuring longevity and stable performance in various indoor environments.

Thanks to **Black-Seal technology**, the panel offers high contrast levels, delivering deep blacks and vibrant colors for exceptional image quality. **Pixel-to-pixel** calibration ensures precise color accuracy and consistency across the entire display, while a **high refresh rate of 7680Hz** guarantees smooth, flicker-free visuals, perfect for high-end content playback and live video applications.

The Crystal COB Series is the ultimate choice for professionals seeking cutting-edge display technology with refined visuals, high reliability, and effortless integration into modern indoor spaces.

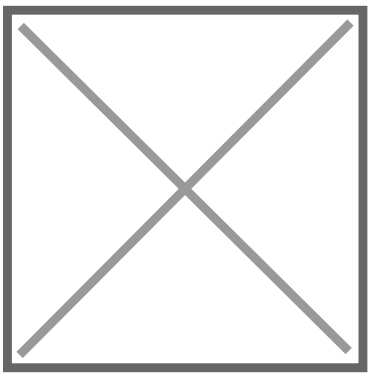
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HIGHLIGHTS

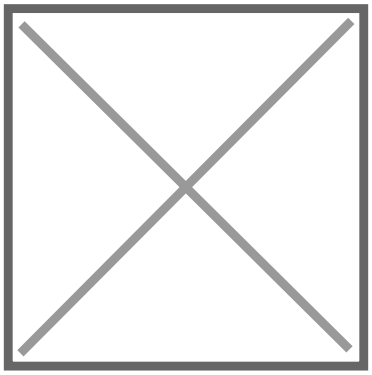


FLIP-CHIP COB TECHNOLOGY

Flip-Chip COB (Chip-On-Board) technology is an advanced LED assembly method that improves **performance, lifetime and efficiency** compared to conventional Surface-Mount Device (SMD) LEDs. LED chips are mounted directly onto the circuit board without wire bonding, allowing for better heat dissipation, improved energy efficiency, and a more compact design. The LEDs are sealed with epoxy resin, making the module **water and dust-resistant**, ideal for high-end applications. This technology ensures **superior image quality, reliability, and longevity**, making it the preferred choice for premium LED displays.

CLEAN, HASSLE-FREE INSTALLATION

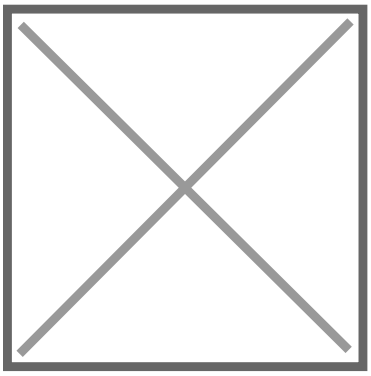
Designed for **easy and efficient installation**, this LED panel features a **16:9 ratio cabinet**, allowing for effortless alignment and optimized display configurations. The front service access enables quick maintenance and module replacement without the need for complex disassembly, reducing downtime and improving efficiency. Additionally, the **precision-engineered cabinet and module design** guarantee a uniform, gap-free installation, delivering a perfectly smooth and uninterrupted display.



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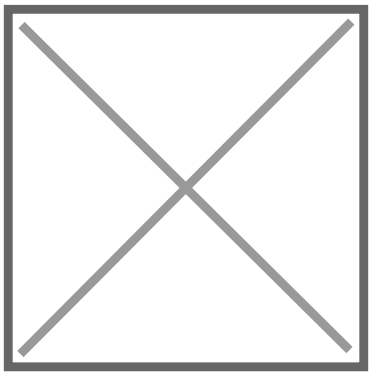


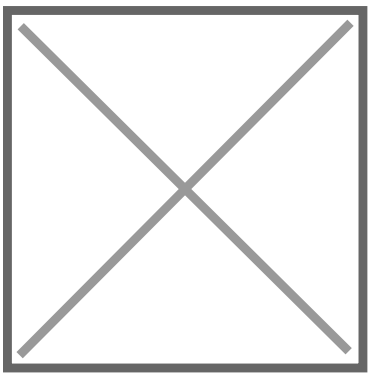
ULTRA-WIDE VIEWING ANGLE

With an **ultra-wide viewing angle of 175° x 175°**, this LED panel ensures exceptional visibility from virtually any perspective. Whether viewed from the side, above, or below, the display maintains consistent brightness, sharp detail, and accurate colors, eliminating distortion and color shifts.

BLACK SEAL TECHNOLOGY FOR SUPERIOR CONTRAST AND COLOR ACCURACY

Black Seal Technology is an advanced LED display enhancement that improves contrast, color accuracy, and durability. It involves a specialized black coating applied to the LED module surface, which helps absorb ambient light and reduce reflections, resulting in **deeper blacks and enhanced image clarity**.





HIGH REFRESH RATE FOR REDUCED FLICKERING

The **high refresh rate of 3840Hz** ensures ultra-smooth visuals with minimal flicker, making it ideal for broadcast, live events, and video production. This high refresh rate enhances the clarity and fluidity of fast-moving content, preventing motion blur and ensuring sharp, precise details even in high-speed action. It also significantly **reduces eye strain**, offering a more comfortable viewing experience, particularly in professional high-end applications where visual performance is critical.

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PRODUCT DETAILS

KEY FEATURES

- LED Module pitch 0.93mm for indoor use
- LED Type: Flip-Chip COB
- Hassle-free installation with seamless splicing technology
- 175° x 175° Super viewing angle for an immersive experience
- Water and dust-resistant COB modules
- Black Seal technology for intense contrast and pristine detail
- Pixel-to-Pixel calibration for uniform brightness and colors across multiple displays
- HSP (High Stability Processing) for enhanced stability, clarity, and consistency of visual output
- High refresh rate of 3840Hz

SPECIFICATIONS

Pixel Pitch 0.93mm	
Led Type	Flip-Chip COB
Module Dimensions (W x H x D)	150 x 168.5 x 2mm
Module Resolution	160 x 180 pixel
Cabinet Dimensions (W x H x D)	600 x 337.5 x 27mm
Cabinet Resolution	640 x 360 pixel
Cabinet Weight	4.5 kg
N. of modules per panel	8

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Brightness	800 Nits (average) / 1000 Nits (max)
Maintenance	Front
Refresh Rate	? 7680Hz
Output bit depth	16 bit (standard) / up to 18 bit
Viewing Angle (H/V)	175°x175°
Operating Voltage	110/240V 50/60Hz
Operating Temperature	-20° to 45°C
Power Consumption	150W/sqm (average), 450W/sqm (max)
Lifespan	100.000 hrs

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