



# CLARITY Series (COB)

WUHD (ULTRAWIDE) 21:9 - ALL-IN-ONE  
MAXIMISE YOUR COLLABORATION POTENTIAL



**SCREEN SIZE: 137", 164", 205"**  
**RESOLUTION: 5120 X 2160P**

**PIXEL TYPE: COB COMMON CATHODE**

## Product Overview

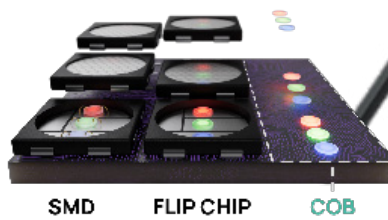
The CLARITY series enhances your viewing experience by supporting a 21:9 widescreen aspect ratio (5120x2160p), offering a larger canvas compared to the conventional 16:9 display.

This specialised screen design optimally presents ultrawide applications, including widescreen videoconferencing platforms or side-by-side windows, maximising collaboration and productivity.



## Energy Efficient Design

The CLARITY Series integrates cutting-edge COB (Chip On Board) and Common Cathode pixel technology, setting a new standard in display excellence. These advanced technologies not only significantly reduce energy consumption but also remarkably enhance colour performance, offering a superior visual experience.



SMD FLIP CHIP COB



### Reduced Energy Consumption:

COB and Common Cathode technology are more energy-efficient, leading to lower electricity costs and a reduced environmental footprint.



### Enhanced Colour Performance:

Enjoy richer, more vibrant colours thanks to the advanced pixel technology, which delivers exceptional colour accuracy and contrast.



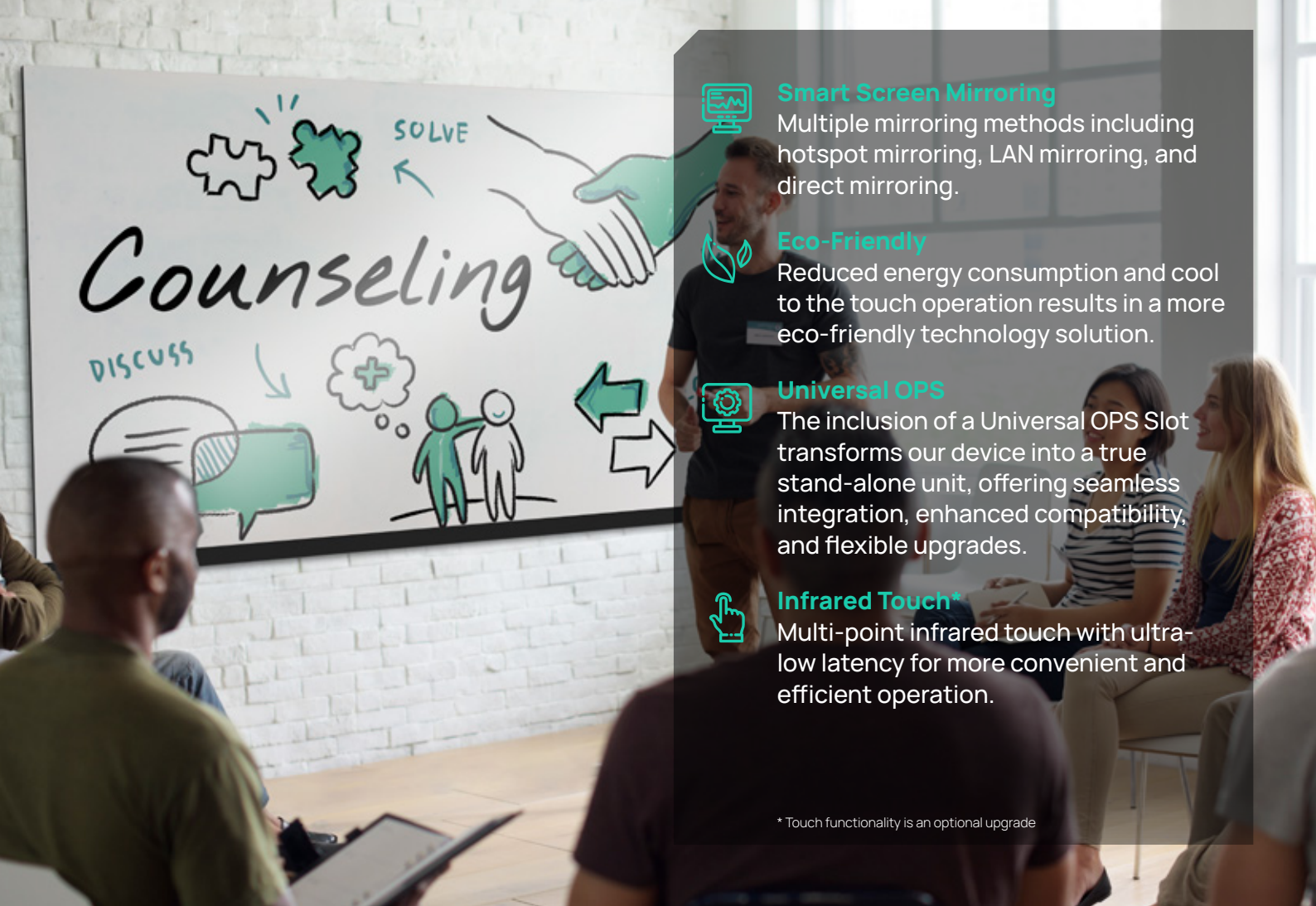
### Increased Durability:

COB technology enhances the robustness of the display, making it more resistant to damage and reducing pixel malfunction.



### Improved Heat Dissipation:

Common Cathode technology effectively reduces heat generation, ensuring the longevity of the display and maintaining consistent performance.



### Smart Screen Mirroring

Multiple mirroring methods including hotspot mirroring, LAN mirroring, and direct mirroring.



### Eco-Friendly

Reduced energy consumption and cool to the touch operation results in a more eco-friendly technology solution.



### Universal OPS

The inclusion of a Universal OPS Slot transforms our device into a true stand-alone unit, offering seamless integration, enhanced compatibility, and flexible upgrades.



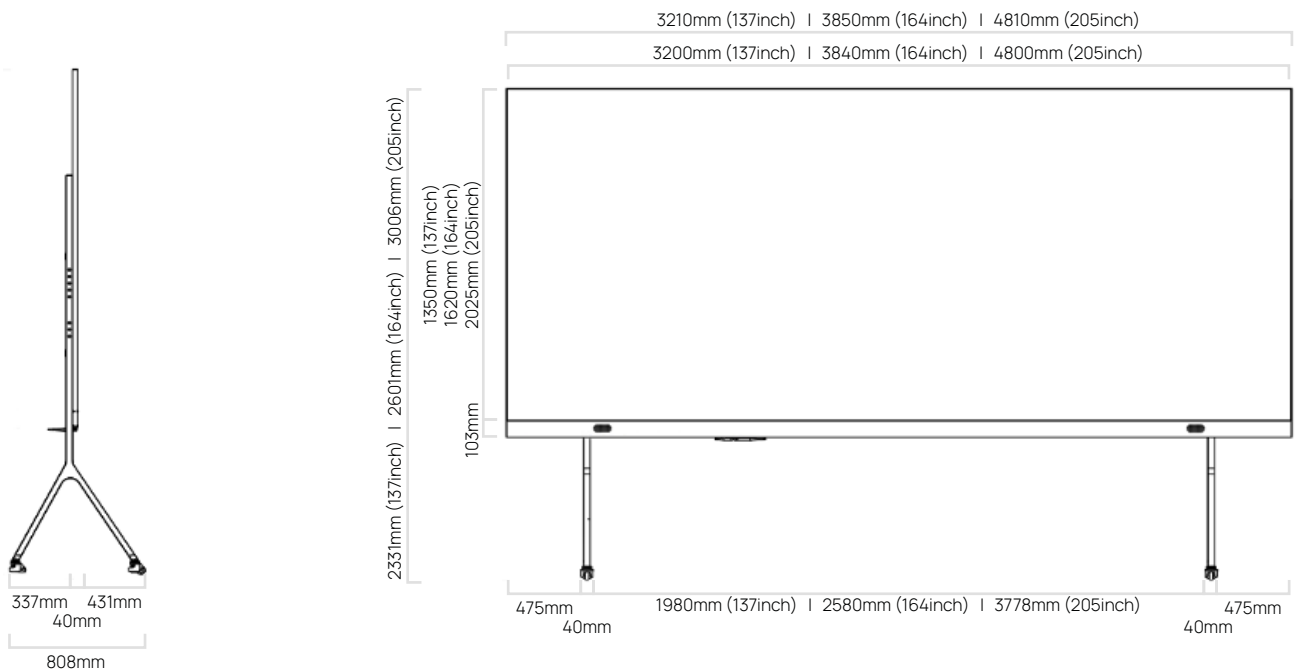
### Infrared Touch\*

Multi-point infrared touch with ultra-low latency for more convenient and efficient operation.

\* Touch functionality is an optional upgrade

## Mobile or Wall Mountable:

The Clarity offers versatility, engineered for both full mobility and secure wall mounting, ensuring it seamlessly adapts to various environments, from dynamic office spaces to sophisticated home settings, providing flexibility and convenience in any location.



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Version 1.2

 LEDstudio



Boardroom



Education



Reception/Lobby



Home Cinema

## SPECIFICATIONS - CLARITY COB Flip Chip (Common Cathode)

Core Specifications			
Pixel Pitch	0.6	0.75	0.9
Pixel Configuration	COB	COB	COB
Module Size (mm) (ft'in") (WxH)	N/A	N/A	N/A
Module Resolution (pixels) (WxH)	N/A	N/A	N/A
Cabinet Size (mm) (ft'in") (WxHxD)	N/A	N/A	N/A
Cabinet Resolution (pixels) (WxH)	N/A	N/A	N/A
Display Size (mm) (ft'in") (WxHxD)	3200 x 1350 / 10' 5.98" x 4' 5.15"	3840 x 1620 / 12' 7.18" x 5' 3.78"	4800 x 2025 / 15' 8.98" x 6' 7.72"
Display Resolution (pixels) (WxH)	5120 x 2160	5120 x 2160	5120 x 2160
Display Diagonal (in)	137	165	205
Weight (kg/m <sup>2</sup> ) (lbs/ft <sup>2</sup> )	N/A	N/A	N/A
Cabinet Weight (kg/lbs)	N/A	N/A	N/A
Maintenance	Front	Front	Front
Brightness (nits)	1000	1000	1000
Contrast Ratio	25,000:1	25,000:1	25,000:1
Lifetime Hours ≥	Up to 100,000	Up to 100,000	Up to 100,000
Aspect Ratio	21:9	21:9	21:9
IP Rating	IP67	IP67	IP67
Technical Specifications			
Viewing Angle	100° / 50°	100° / 50°	50° / 50°
Grey Scale (bit)	16	16	16
Refresh Rate* (Hz)	3840	3840	3840
Working Voltage	AC100-240V 50-60Hz	AC100-240V 50-60Hz	AC100-240V 50-60Hz
Scan Rate*			
Operating Temperature (°C / °F)			
Colour Temperature (K)			
Operating Humidity (RH)			
Maximum Power Consumption (W/m <sup>2</sup> ) (W/ft <sup>2</sup> )			
Average Power Consumption (W/m <sup>2</sup> ) (W/ft <sup>2</sup> )			
Display Weight (Screen Only)			
Universal OPS			
Power (MAX) - Display			
Power (Average) - Display			

For full specifications, contact us at: [sales@theledstudio.com](mailto:sales@theledstudio.com) | +44 (0) 20 3832 9500



LED display technology  
for tomorrow's world. ↵

Please contact us if you have any questions,  
we're always happy to help

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