CREATELED®

VBD-V

Flip-chip COB

Fine Pixel Pitch
Ultra-High Reliability
Higher Brightness performance
Unprecedented Wide Viewing Angle
Efficient Heat Dissipation and Energy-saving





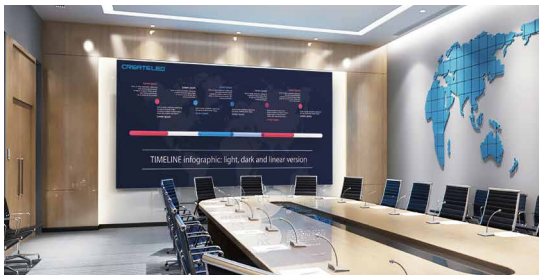
Ultra-High Reliability

- Chip-on-board packaging with Ebony technology providing dual protection of the panel.
- Anti-collision, dust proof and water proof of the module.
- Non holder design increases the life time.



Stunning Effects

- Unprecedented wide viewing angle bring exceling visual experience.
- High brightness and advanced design enable HDR function, adding excellent color performance.



Energy-saving with Efficient Heat Dissipation

- Non holder design provides energy saving solution compare to traditional SMD products.
- Wider heat dissipation area leading great performance of heat dissipation.
- Power supply unit redundancy （Optional）.



Unlimited Vision and Possibilities

- Fine pixel pitch 0.83, 1.25, 1.66; the 4 :4.5 aspect ratio panel allow native 2k/4k pixel to pixel resolution.



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VBD-V / Specifications

	VBD-V 0.83	VBD-V 1.25
Physical Pitch	0.83mm	1.25 mm
Pixel Configuration	Flip-chip RGB LED（COB）	Flip-chip RGB LED（COB）
Pixel Density	1,440,005 pixels/m^2 259,200 pixels/panel	640,000 pixels/m^2 153,600 pixels/panel
LED Module Dimensions（mm）	200 × 150	200 × 150
Panel Dimensions (W × H × D) (mm)	400 × 450 × 49	400 × 450 × 49
No. of Modules Per Panel (W × H)	2 × 3	2 × 3
Physical Resolution of Module (W × H)	240 × 180	160 × 120
Physical Resolution of Panel (W × H)	480 × 540	320 × 360
Weight Per Panel	6.2±0.5 kg/panel	6.2±0.5 kg/panel
Colour Gamut	DCI-P3 ≥ 100% (Optional)	DCI-P3 ≥ 100% (Optional)
Processing	14 bit	16 bit
Colours	4.4 trillion	281 trillion
Contrast Ratio	20,000 : 1	20,000 : 1
Average Power Consumption	120 w/m^2	120 w/m^2
Max Power Consumption	400 w/m^2	400 w/m^2
Operating Temp/Humidity	-10 - 40 ℃ / 10% - 90%	-10 - 40 ℃ / 10% - 90%
Storage Temp/Humidity	-20 - 60 ℃ / 10% - 90%	-20 - 60 ℃ / 10% - 90%
Brightness	600 nits	600 nits
Refresh Rate	3,840 Hz	3,840 Hz
Horizontal Viewing Angle	170°	170°
Vertical Viewing Angle	170°	170°
Expected LED Lifetime (Max)	100,000 Hrs	100,000 Hrs
Servicing	Front	Front
IP Rating	IP30	IP30
Certification	CE, EAC, ETL, FCC, KC, UL-CB, CCC, EMC Class A	CE, EAC, ETL, FCC, KC, UL-CB, CCC, EMC Class A

*Notes: The Specifications are for reference; actual values may vary.
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Application Fields

- Control Room
- Showroom
- Corporate
- TV Broadcasting
- Shopping mall
- Stadium
- Classroom
- Station

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