Ab**s**en

KLCOB Series
Micro LED

Professional COB LED Display

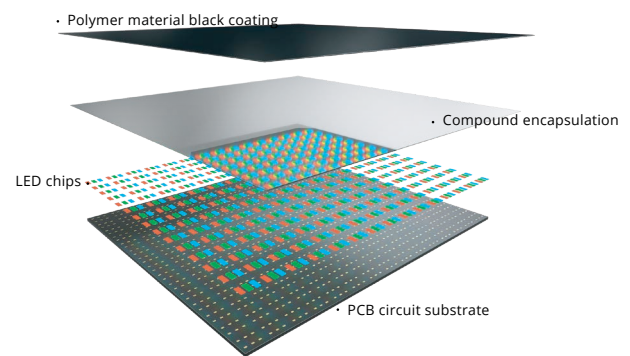| **Black**	**Brilliant**	**Cool**	**Strong**
Extraordinary deep blacks	Capture every brilliance	Stay cool, enjoy more	Against external impact

◀ Extraordinary Deep Blacks

- Full flip chip technology provides high brightness and efficient heat dissipation
- The surface is covered with a black coating of polymer material, which brings amazing black consistency

· Polymer material black coating

· Compound encapsulation

LED chips

· PCB circuit substrate

* Full Flip Chip COB Technology

◀ Capture Every Brilliance

- High dynamic range,15000:1 stunning contrast, 600nits brightness , 3840Hz refresh rate, DCI-P3 cinema-level color gamut, 2FPS low latency
- Surface light source technology effectively reduces moiré
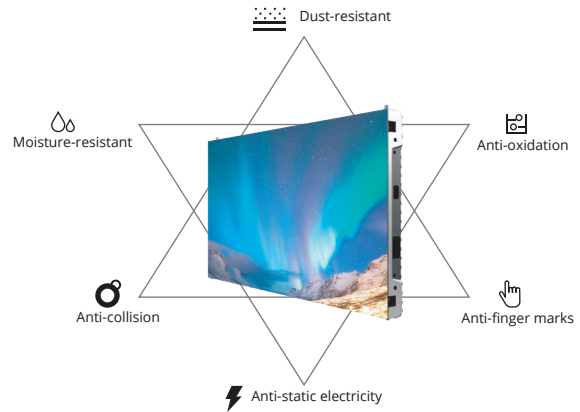- The full flip-chip technology can reduce pixel graininess, make eyes more comfortable

◀ Stay Cool, Enjoy More

Thanks to the full flip-chip COB technology and Absen's HBB common cathode technology, the KLCOB can always stay cool.
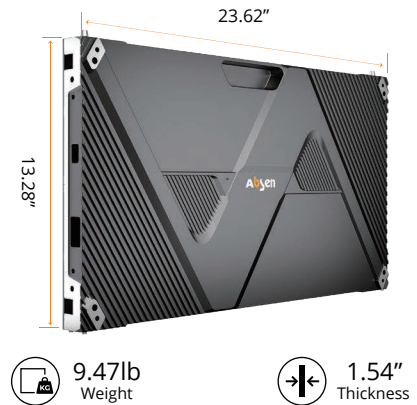
◀ Strong Against External Impact

The full flip-chip COB technology effectively protects the display from external impact, providing 360° all-round protection.

Dust-resistant

Moisture-resistant

Anti-oxidation

Anti-collision

Anti-finger marks

Anti-static electricity

◀ User Friendly

- Lightweight design. The panel weighs only 9.47lb, thickness is 1.54"
- Easy to clean. A wet towel can be used for normal cleaning
- Excellent flatness and front maintenance
- High reliability, dual backup power, and signal, two power source inputs

23.62"

13.28"

9.47lb
Weight

1.54"
Thickness

◀ Product Specification

Model	KLCOB0.9 V2	KLCOB1.2 V2	KLCOB1.5 V2
LED Type	Flip-chip RGB	Flip chip RGB	Flip chip RGB
Pixel Pitch (mm)	0.93	1.25	1.56
Panel Dimensions (WxHxD)	23.62×13.28×1.54"		
Pixel Per Panel	640×360	480 × 270	384×216
Panel Weight	9.47lb	9.47lb	9.47lb
Panel Material	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum
Brightness (nit)	600	600	600
Refresh Rate (Hz)	3840	3840	3840
Gray scale (bit)	19 (Internal processing)	20 (Internal processing)	19 (Internal processing)
Contrast Ratio	15000:1	15000:1	15000:1
Viewing Angle (H/V) (°)	160/160	160/160	160/160
Power Consumption (Max./Avg.)(W/m^2)	331/110	301/100	336/112
Operating Temperature (℃)	– 10~ + 40	– 10~ + 40	– 10~ + 40
Operating Humidity (RH)	10％~80％	10％~80％	10％~80％
IP Rating (Front/Rear)	IP40/IP21	IP40/IP21	IP40/IP21
Certification	CE, ETL, FCC		