



COB LED Series

Flip Chip Common Cathode COB Dual Backup Energy Saving
IP54 Protection (Front) ■ ■



COB LED SERIES

Flip Chip Common Cathode | COB Dual Backup Energy Saving | IP54 Protection (Front)

Key Features

- Flip Chip Common Cathode COB architecture
- Dual backup, energy saving, IP54 front protection
- Consistent black surface, wide viewing angle, and high contrast ratio
- Front access and hot-swappable LED panels
- All original pages appended after the branded summary to preserve complete series content

Redesigned technical summary in Hikvision-style table layout. All original pages are appended after this branded section to preserve the exact original model numbers, specifications, diagrams, and descriptions.

Technical Specifications

Category	Parameter	Value
Model	Pixel Pitch Options	0.95mm / 1.25mm / 1.5mm
Display	Brightness	600 nits
	Resolution	640 x 360 / 480 x 270 / 348 x 216
	Viewing Angle	170° / 170°
	Refresh Rate	3840Hz
	Frame Rate	60Hz
	Color Temperature	3000K-9300K
Mechanical	Unit Size	600mm x 337.5mm x 75mm
	Unit Weight	4kg / 8.8lbs
	Maintenance	Front access / hot-swappable LED tiles
Power	Input Voltage	AC100~240V 50/60Hz
	Average Power Consumption	120W/■ (0.95mm), 115W/■ (1.25mm / 1.5mm)
	Max Power Consumption	370W/■ (0.95mm), 345W/■ (1.25mm / 1.5mm)
Reliability	Operating Temperature	-10°C~40°C / 10%RH-90%RH
	IP Rating	IP54 (Front) / IP31 (Rear)
	Lifespan	100,000 hrs
	Warranty	24 months

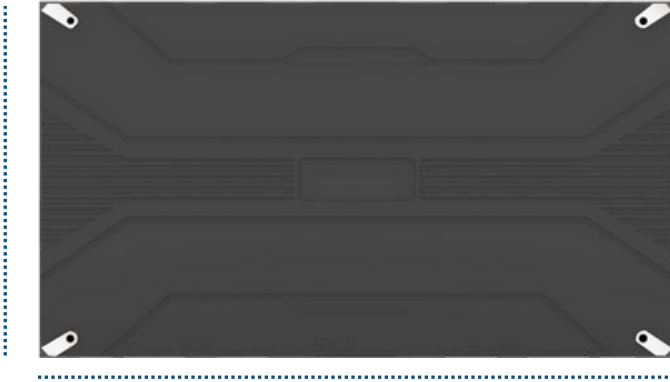


COB LED SERIES

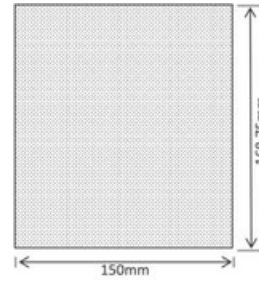
Flip Chip Common Cathode | COB Dual Backup Energy Saving | IP54 Protection (Front)

Sizes

Height: 337.5mm / 13.29"



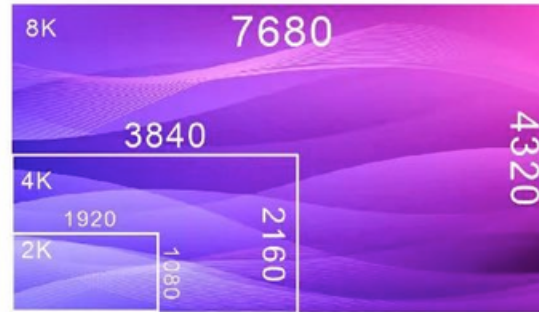
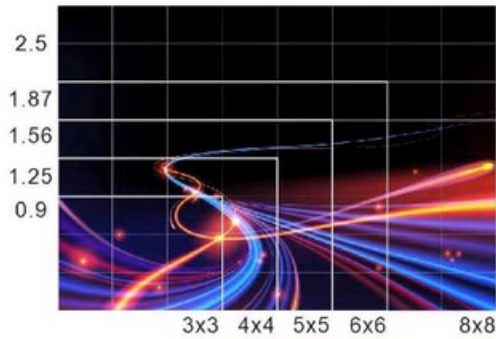
Width: 600mm / 23.6"



Width: 150mm / 5.9"



Height: 168.75mm / 6.64"



Superior pixel pitch

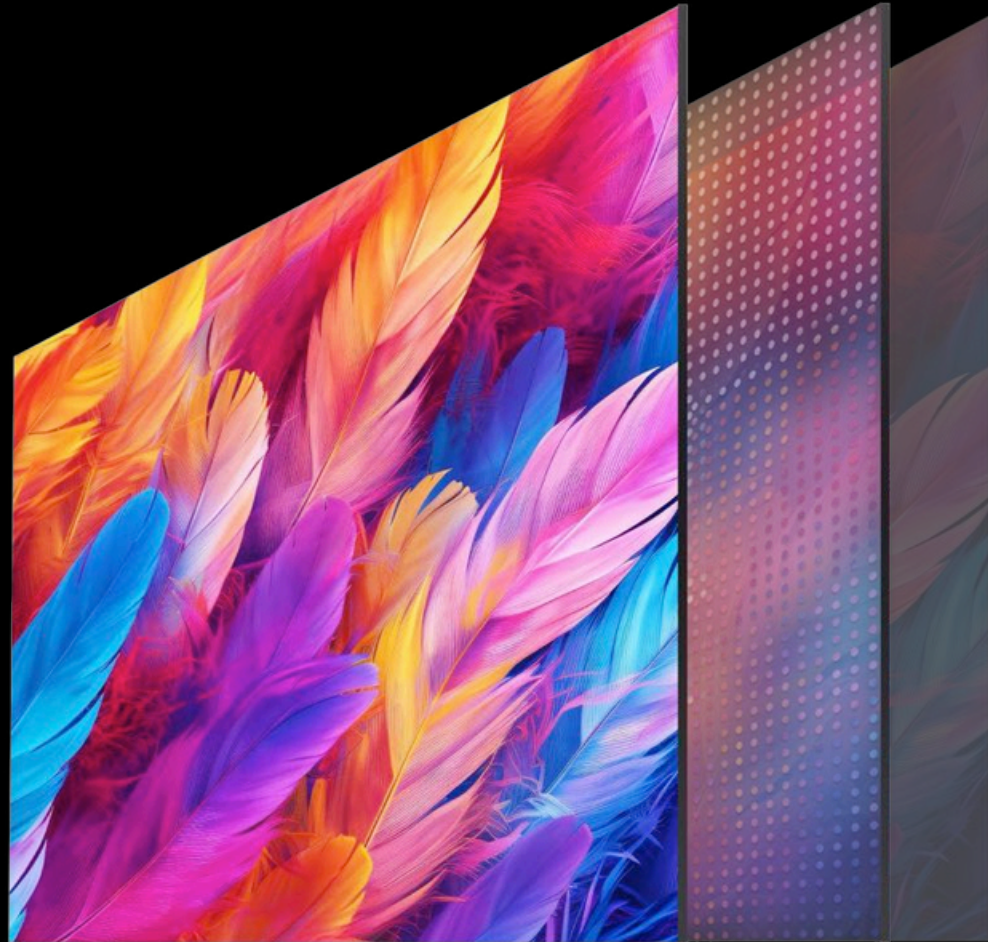
COB Technology brings a smaller pixel pitch and higher pixel density will reduce the viewing distance.

This means that viewers will be able to stand close to a display and still view it comfortably without noticing the individual pixels.

Pixel pitch:

0.9mm / 1.2mm / 1.5mm





Unparalleled Image Quality

COB Technology with higher chip density while creating a flat uniform LED surface, higher color gamut and replicate true-to-life imagery.

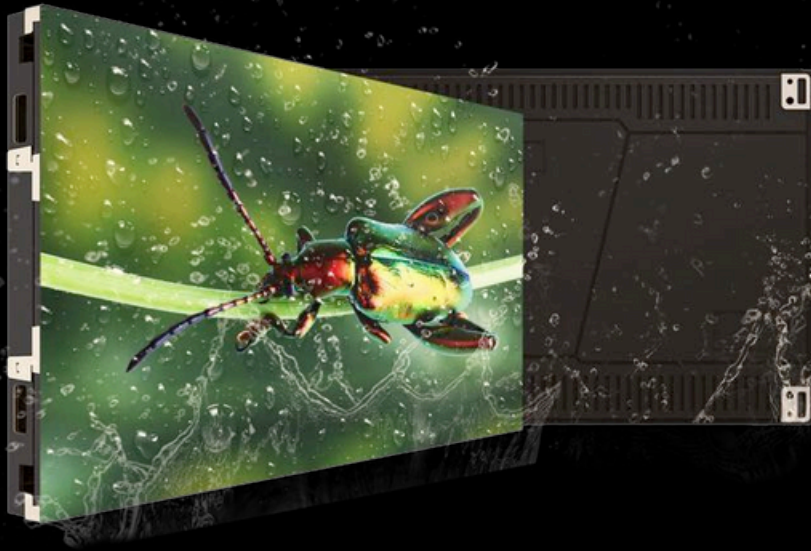
Consistent black surface

180-degree wide viewing angle

Super high contrast ratio

DCI-P3 color gamut

Improved Reliability



COB technology improved reliability including water-proof, dust-proof and anti-collision capabilities. The previously mentioned reduction in soldering sites minimizes the possible points of failure.

This translates overall to better thermal performance, facilitated maintenance, and, ultimately,

peace of mind. Additionally, mounting the LEDs directly on the board also

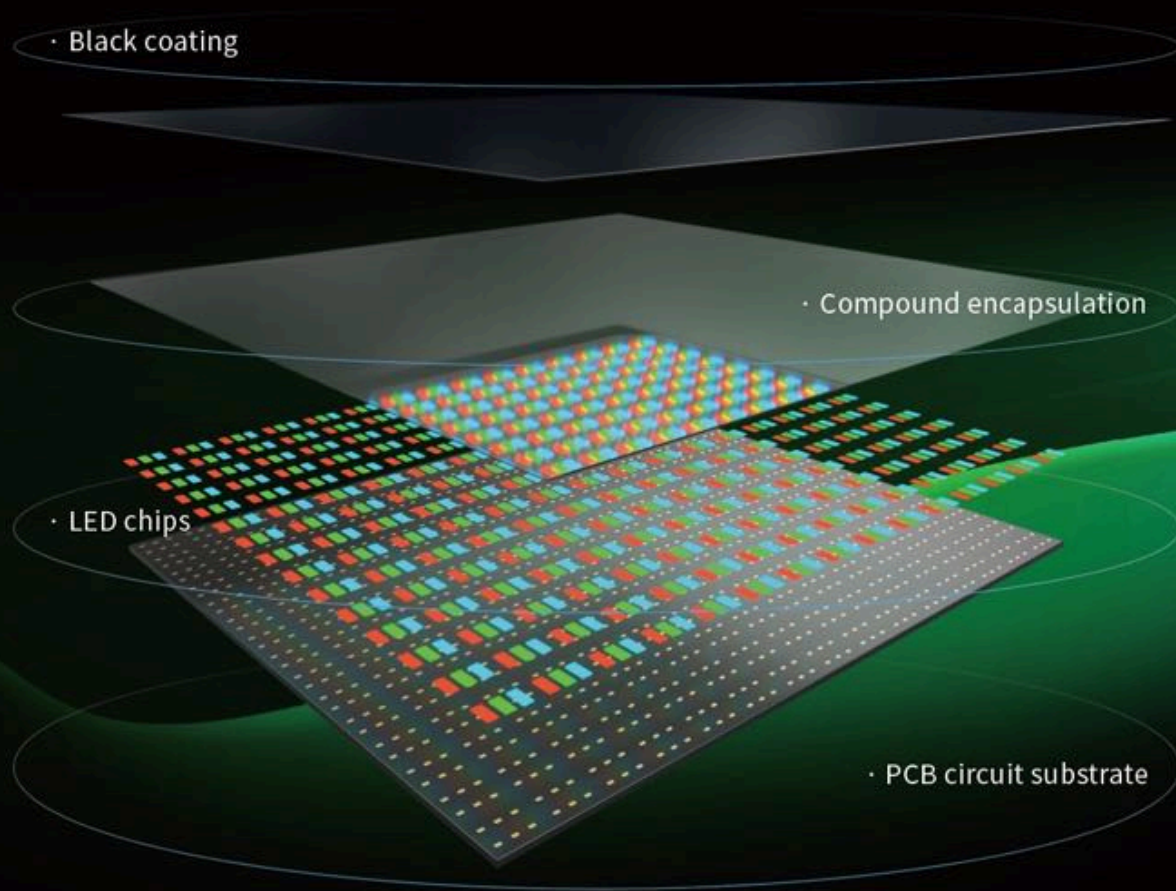
improves moisture-and dust resistance as the surface is protected by a

durable clear epoxy resin

Great Energy Efficiency

The flip chip COB packaging technology, combined with a common cathode circuit design, enhances display effects while

Saving 40% energy than conventional LED screens



All in one solution

3 screen sizes available

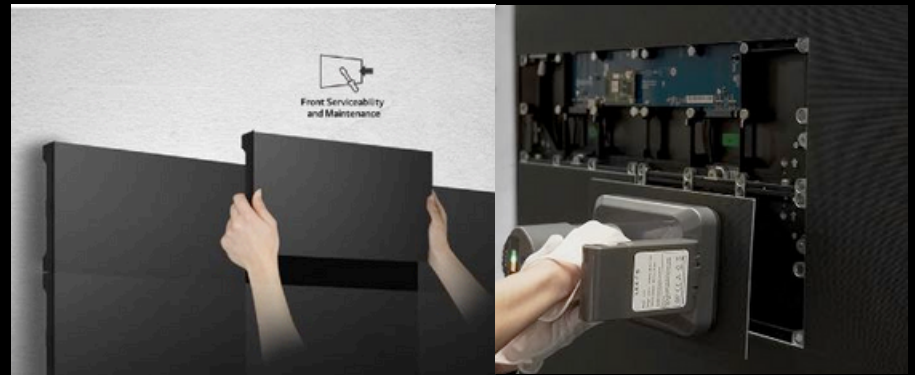
From the LED tiles, to the AV hardware and software, power supplies, and cables, everything works seamlessly together and included in the box.



Easy installation & Maintenance

*Mechanical modular design
makes for simple installation
and maintenance.*

*LED panels are accessible from
the front of the display and
hot-swappable for fast and easy
maintenance – simply pop out
the tile and replace it with
a new LED tile.*



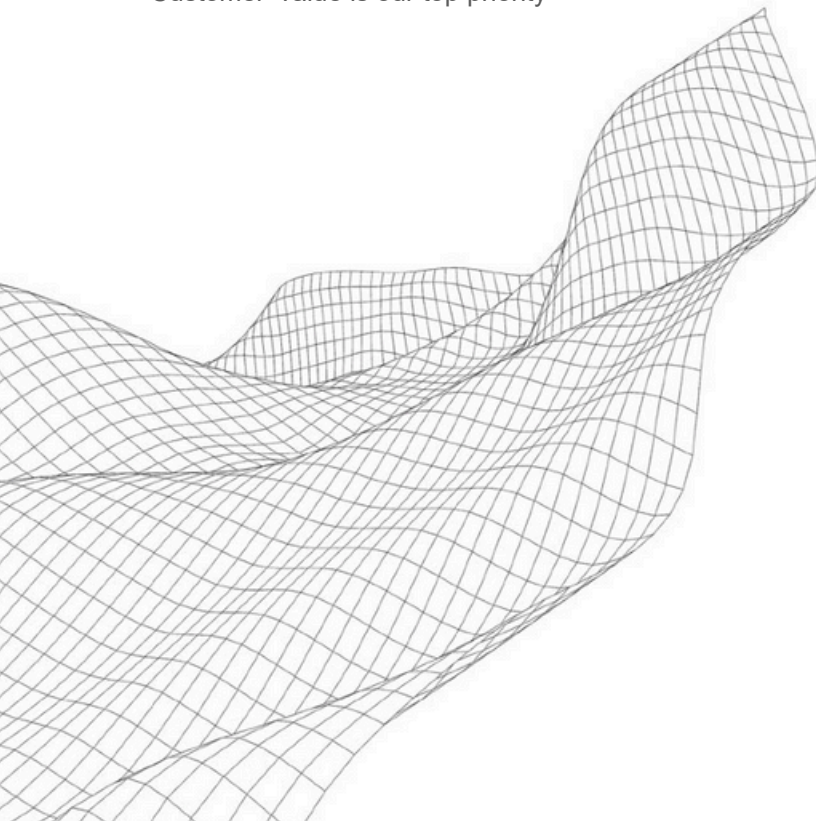
Specification

Pixel pitch	0.95mm.	1.25mm	1.5mm
LED Package	COB	COB	COB
Brightness	600 nits	600 nits	600 nits
Viewing angle	170° / 170°	170° / 170°	170° / 170°
Resolution	640 x 360	480 x 270	348 x 216
Refresh rate	3840Hz	3840Hz	3840Hz
Frame rate	60Hz	60Hz	60Hz
Color temperature	3000K-9300K	3000K-9300K	3000K-9300K
Unit size	600mm x 337.5mm x 75mm (W x H x D)	23.6" x 13.28" x 1.55" (W x H x D)	
Unit weight	4kg / 8.8lbs	4kg / 8.8lbs	4kg / 8.8lbs
Input voltage	AC100~240V50/60Hz	AC100~240V50/60Hz	AC100~240V50/60Hz
Power consumption (Avg)	120W/m ²	115W/m ²	115W/m ²
Power consumption (Max)	370W/m ²	345W/m ²	345W/m ²
Working temperature	-10°C~40°C / 10%RH-90%RH	-10°C~40°C / 10%RH-90%RH	-10°C~40°C / 10%RH-90%RH
IP rating	IP54/IP31	IP54/IP31	IP54/IP31
Life span	100,000 hrs	100,000 hrs	100,000 hrs
Warranty	24 months	24 months	24 months



PROSECURE Service

Customer' value is our top priority



Free inquiry with solutions

We will quote for any inquiry within 24 hours with quotations & specifications



Free drawing

Free drawing of structure, signal & power cable connection, customized solutions if needed



7/24 online technical support

Sales technical supports are ready anytime within warranty

Contacts



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