

PIXON



New Generation Fine-Pitch LED Display

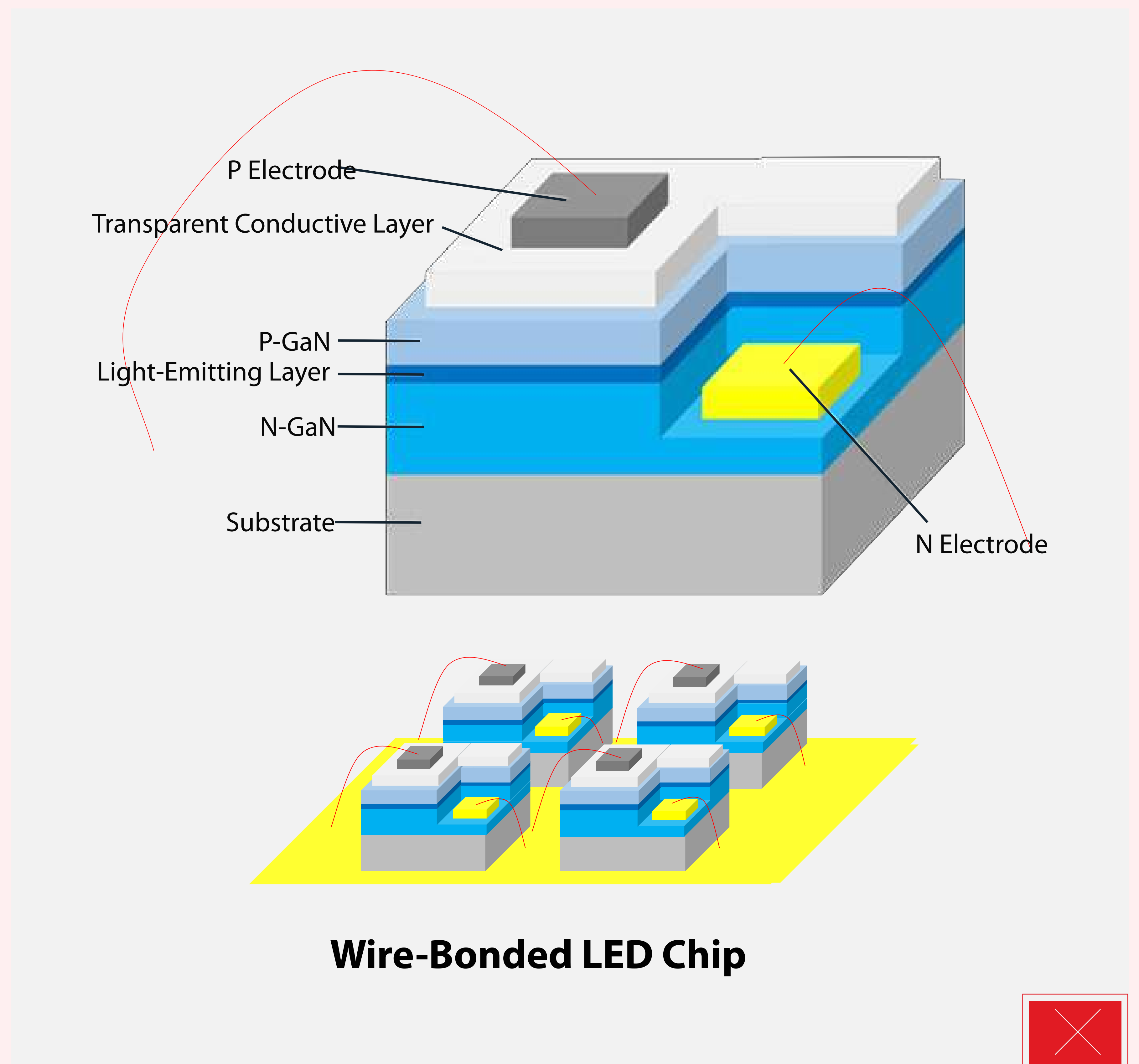
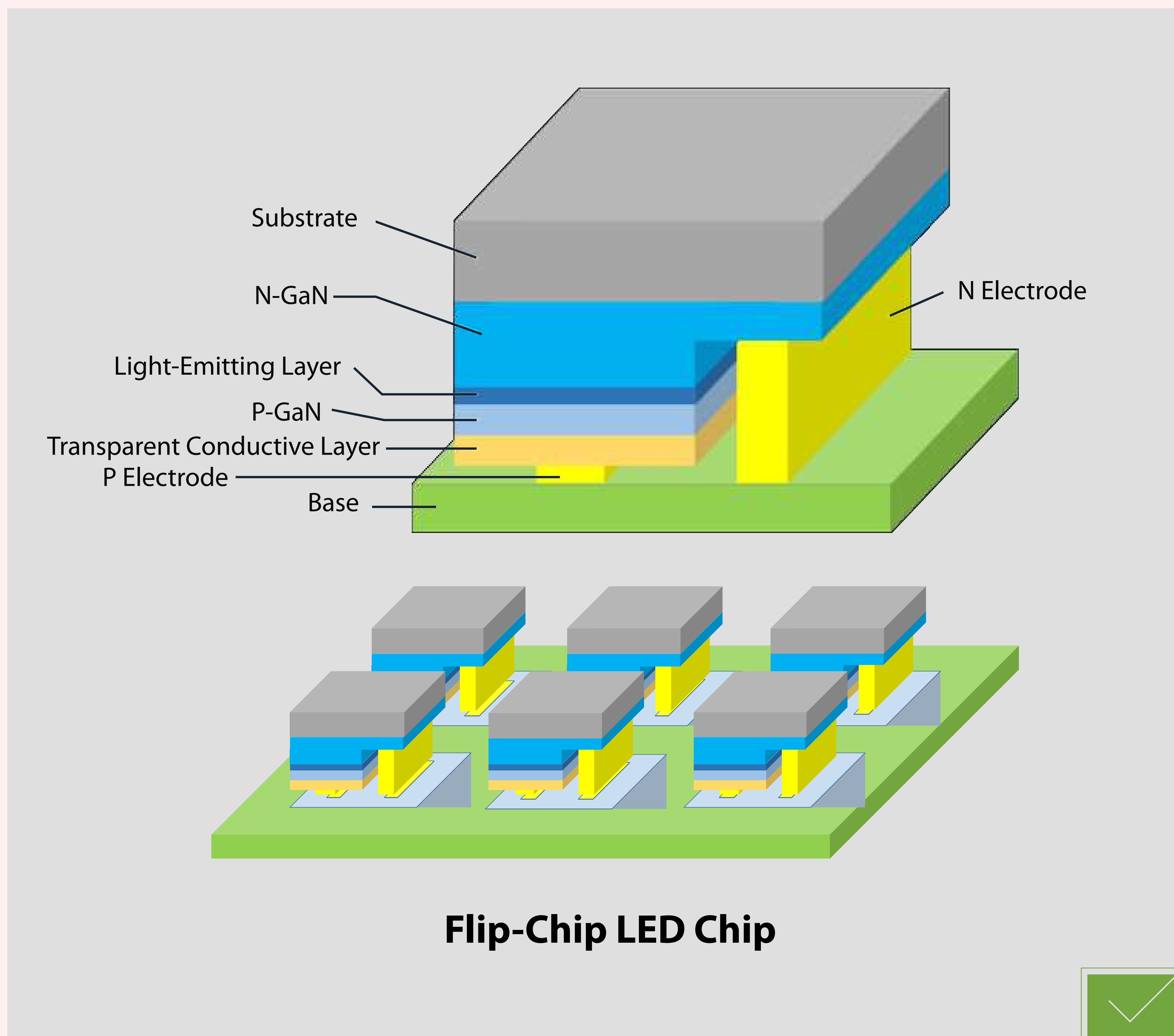


The perfect LED solution for:

Hospitality | Schools | Sports Stadiums |
Entertainment Venues | Retail | Manufacturing

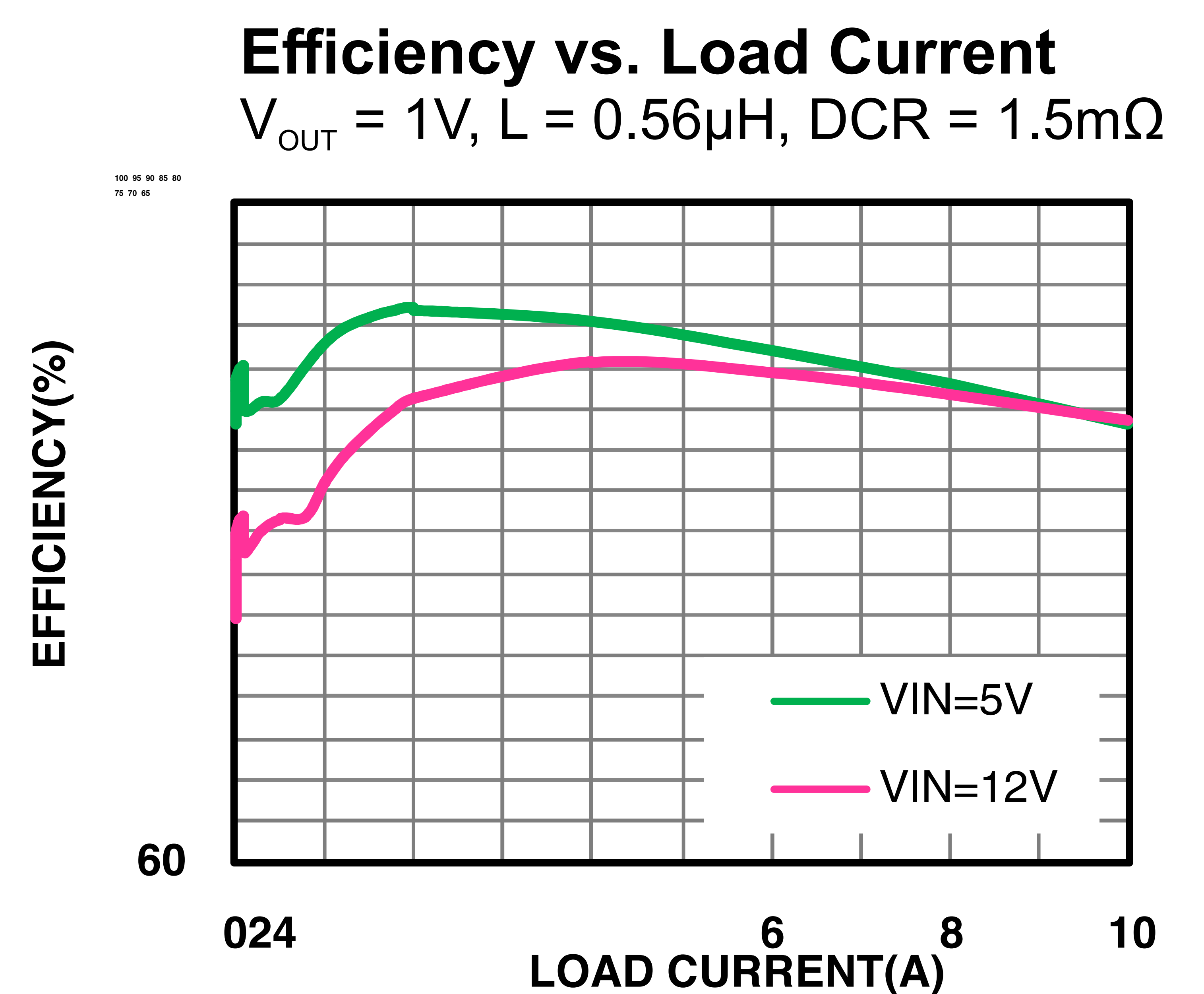
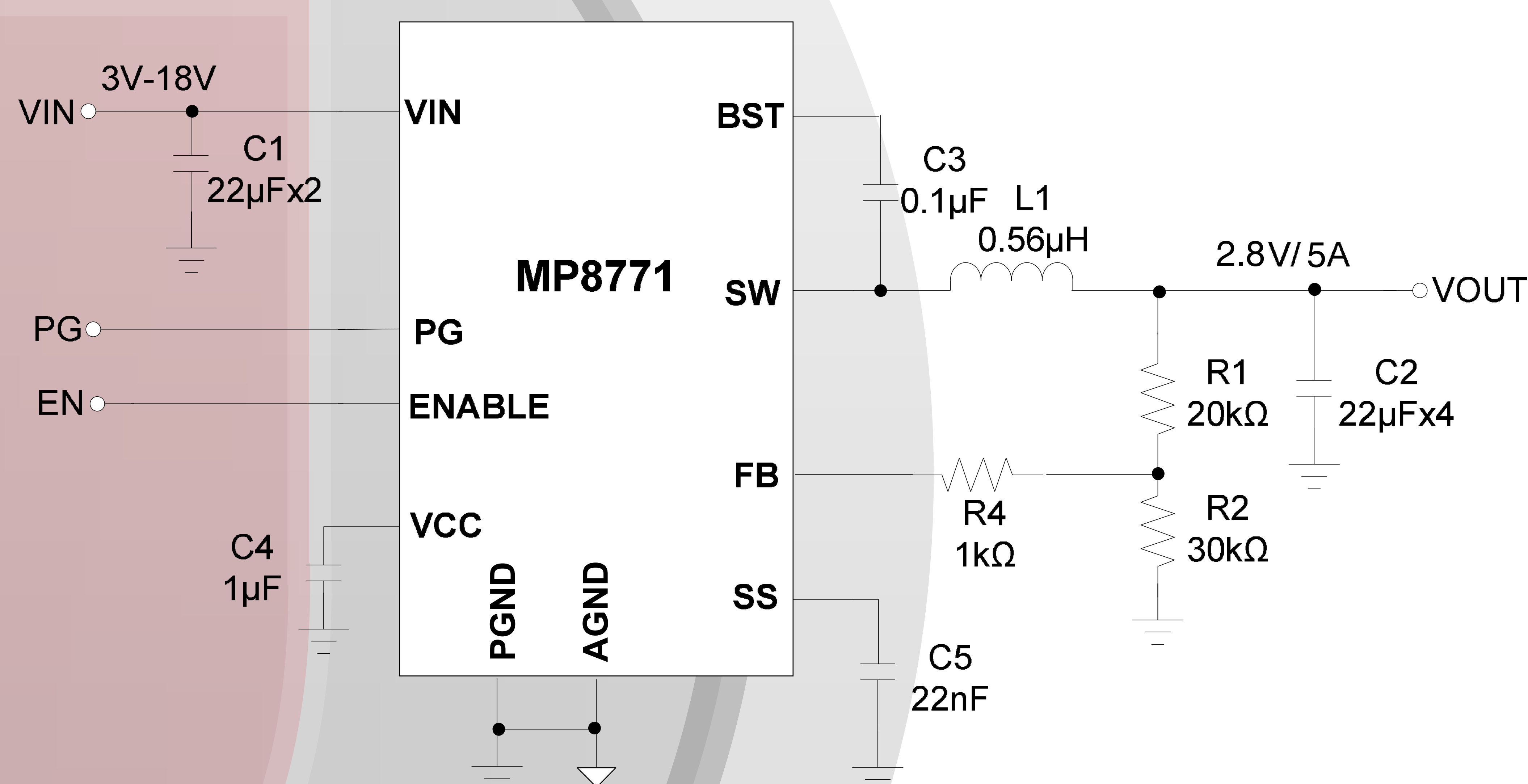
RGB Fully Flip-Chip COB

No wire bonding, less risks of soldering issues, brighter illumination; better heat dissipation, higher reliability and long-term stability.

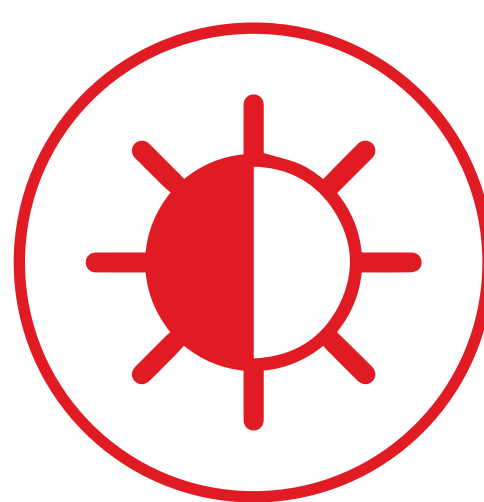


Common-Cathode + DC-DC Design

3.8V+2.8V common-cathode+DC-DC conversion driving reduces heat generation by 40%, eliminating the need for additional cooling.



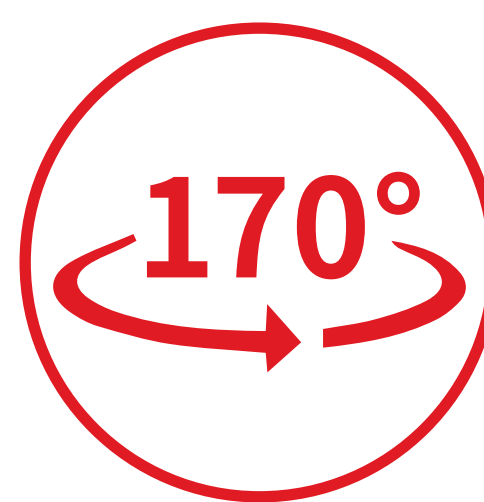
A Visual Experience Like No Other



20000:1
High Contrast



3840Hz
High Refresh Rate



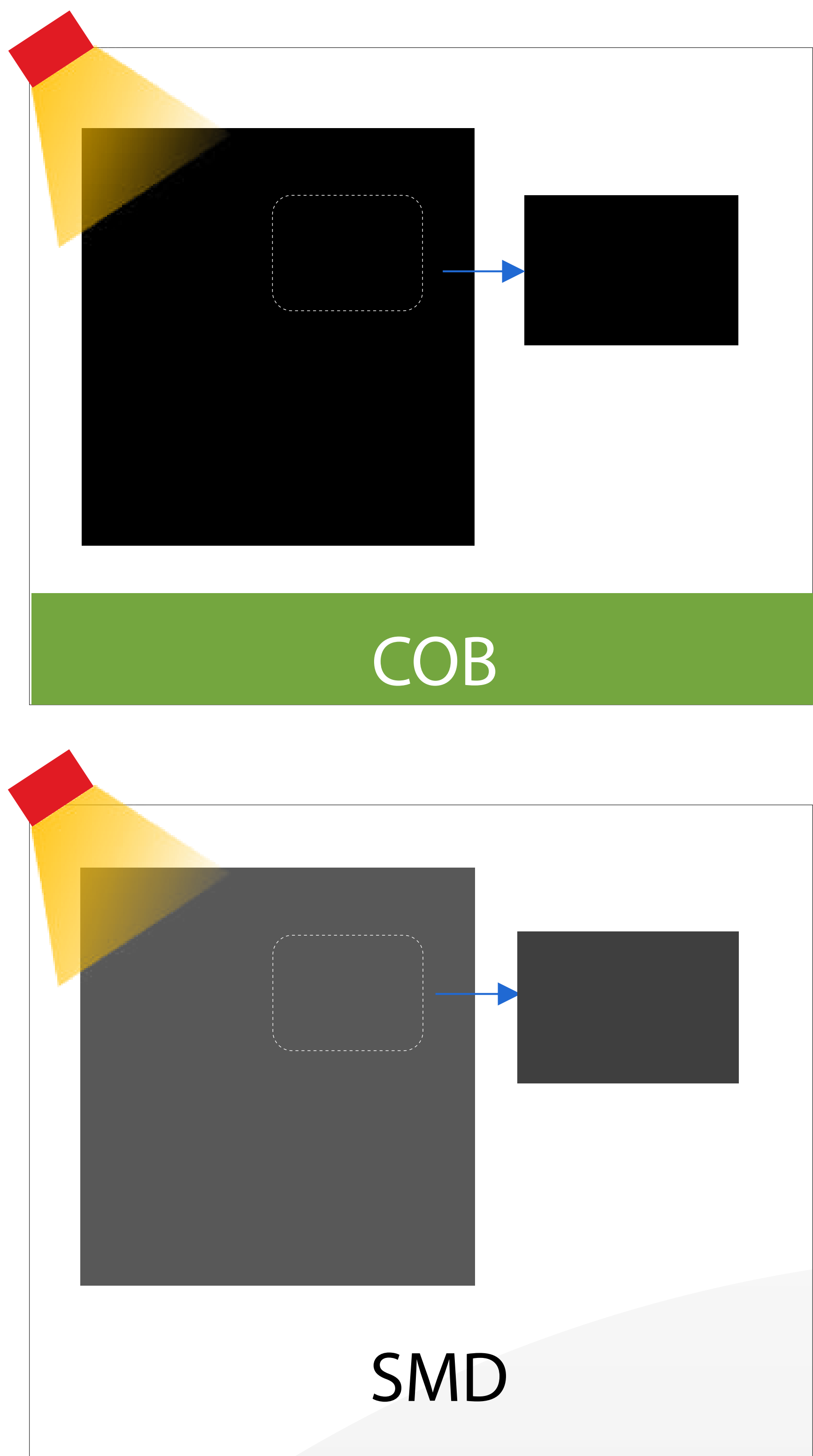
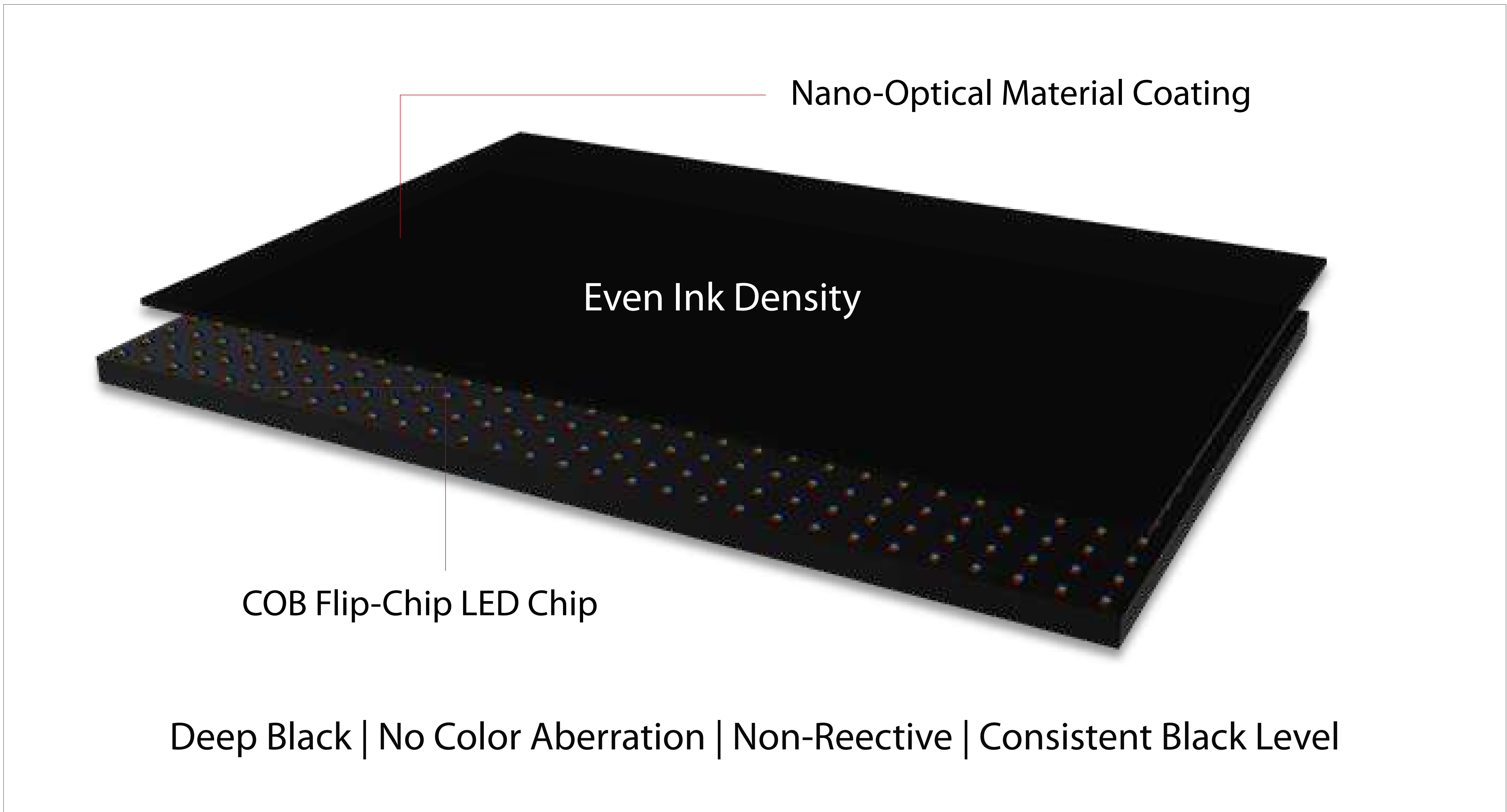
170° Viewing Angle
(horizontal & vertical)



DCI P3 Gamut
True-to-Life Colors

Nano-Optical Material Coating

High Contrast 20000:1



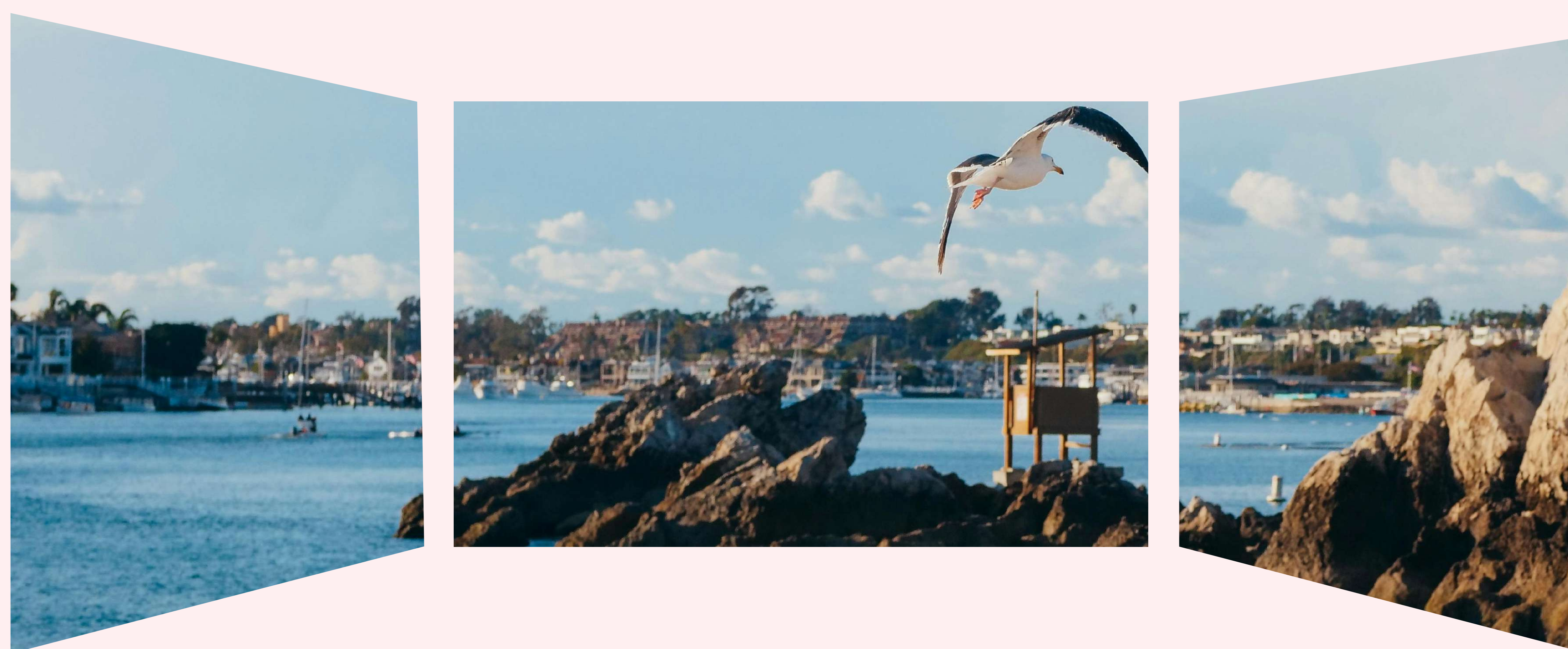
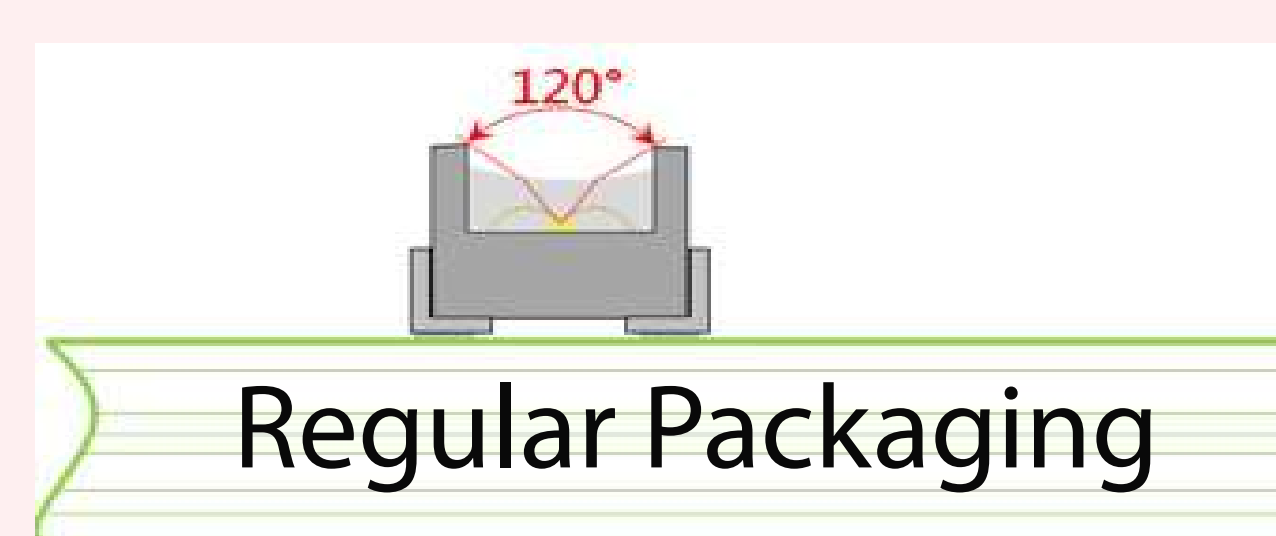
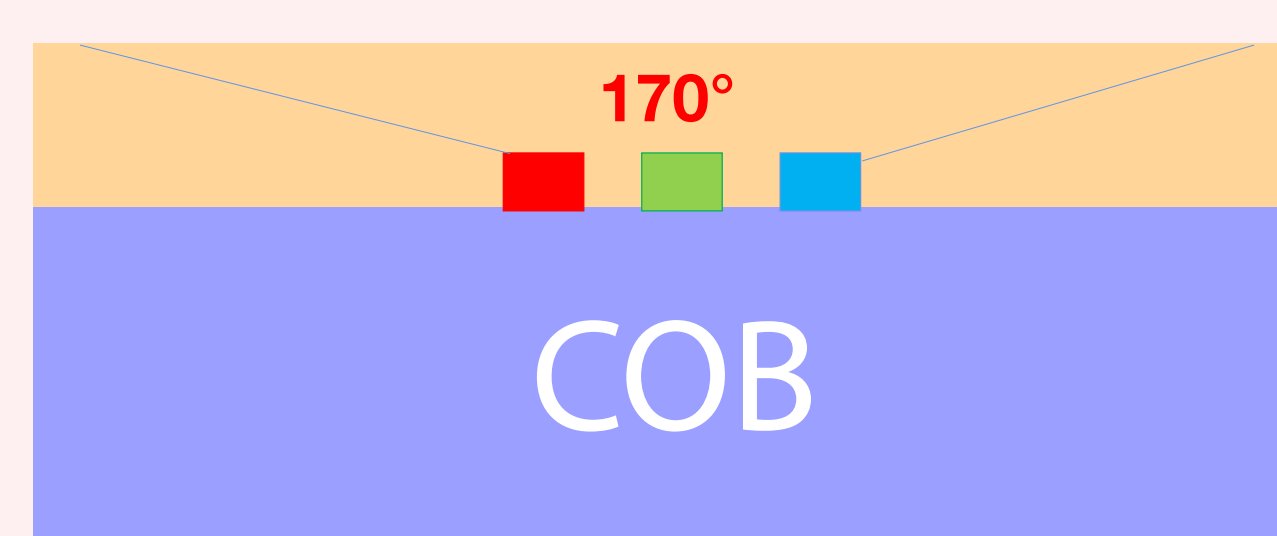
Every Frame, Butter-Smooth

Powered by smart modules, Pixon has a 3840Hz high refresh rate to ensure fluid and flicker-free motion for video playback.

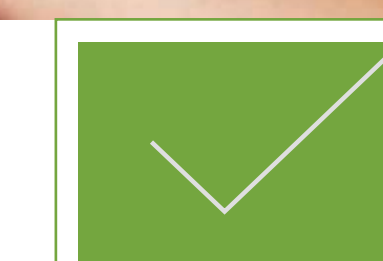
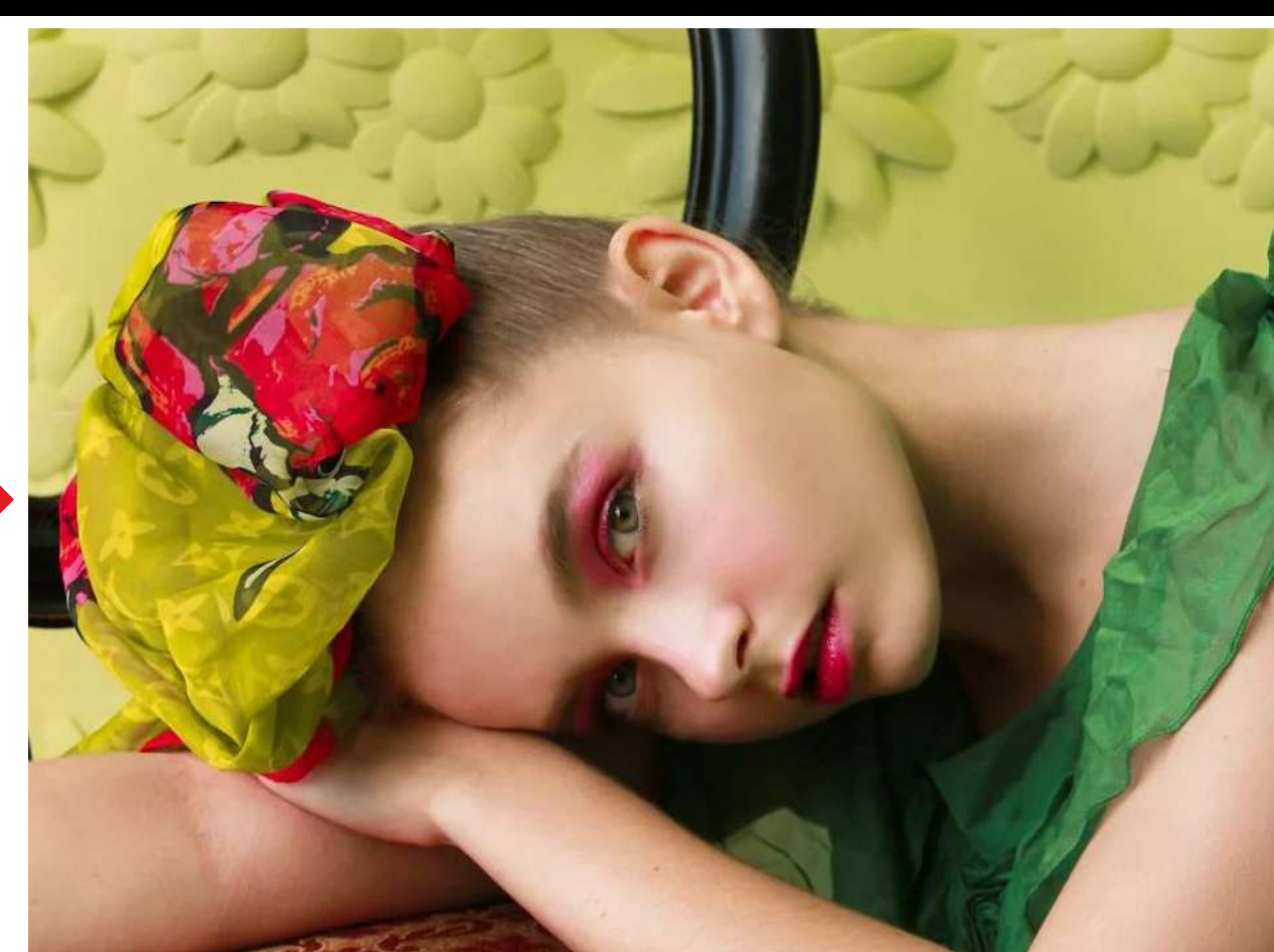
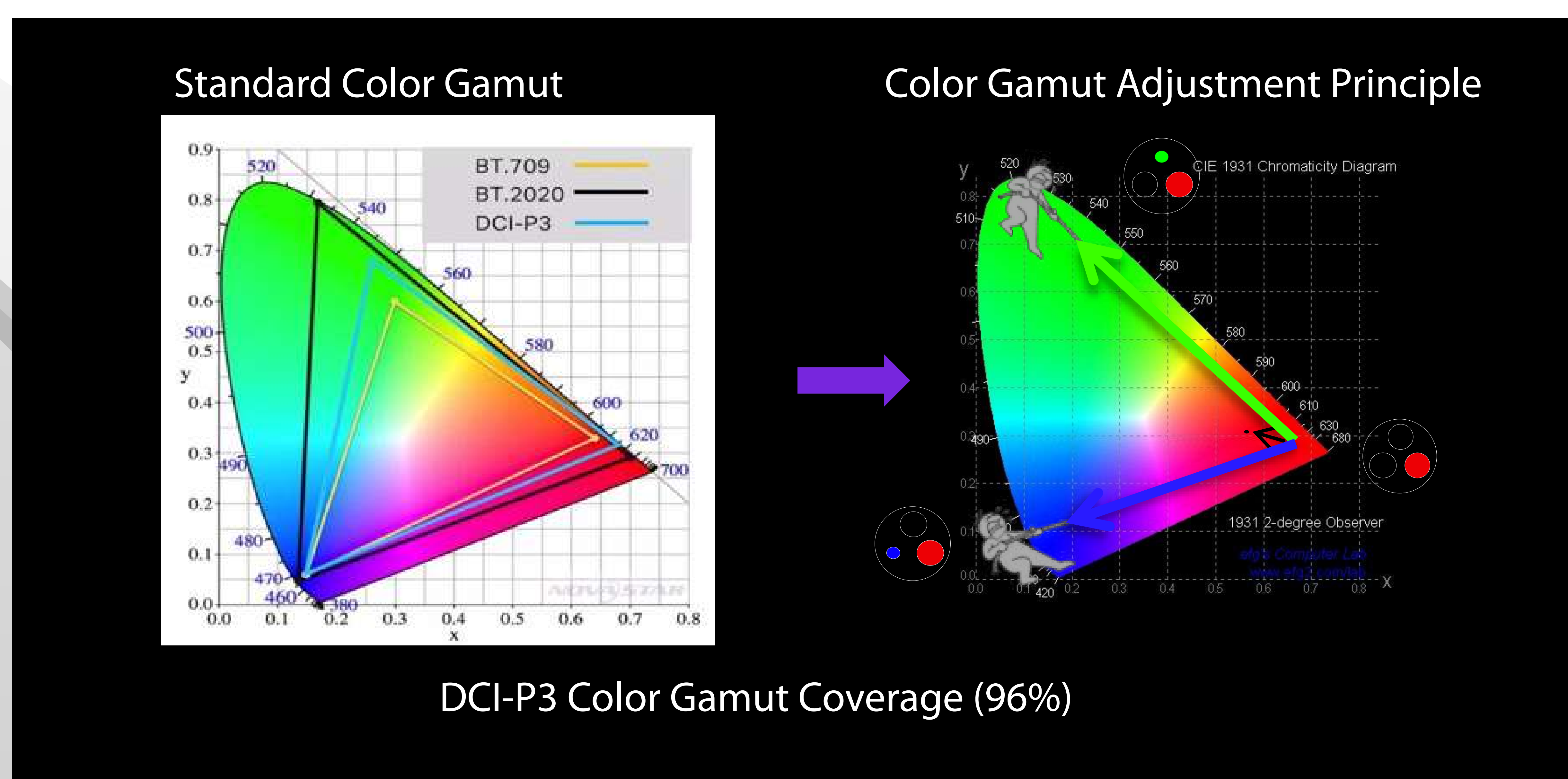


Every Angle, Perfect View

Direct chip-on-board technology eliminates bezel restrictions, allowing for a 170° viewing angle in both horizontal and vertical directions and maximized image coverage.



Wide Color Gamut, Precise Color Management



A Delightful User Experience

$\pm 0.02\text{mm}$

Precision

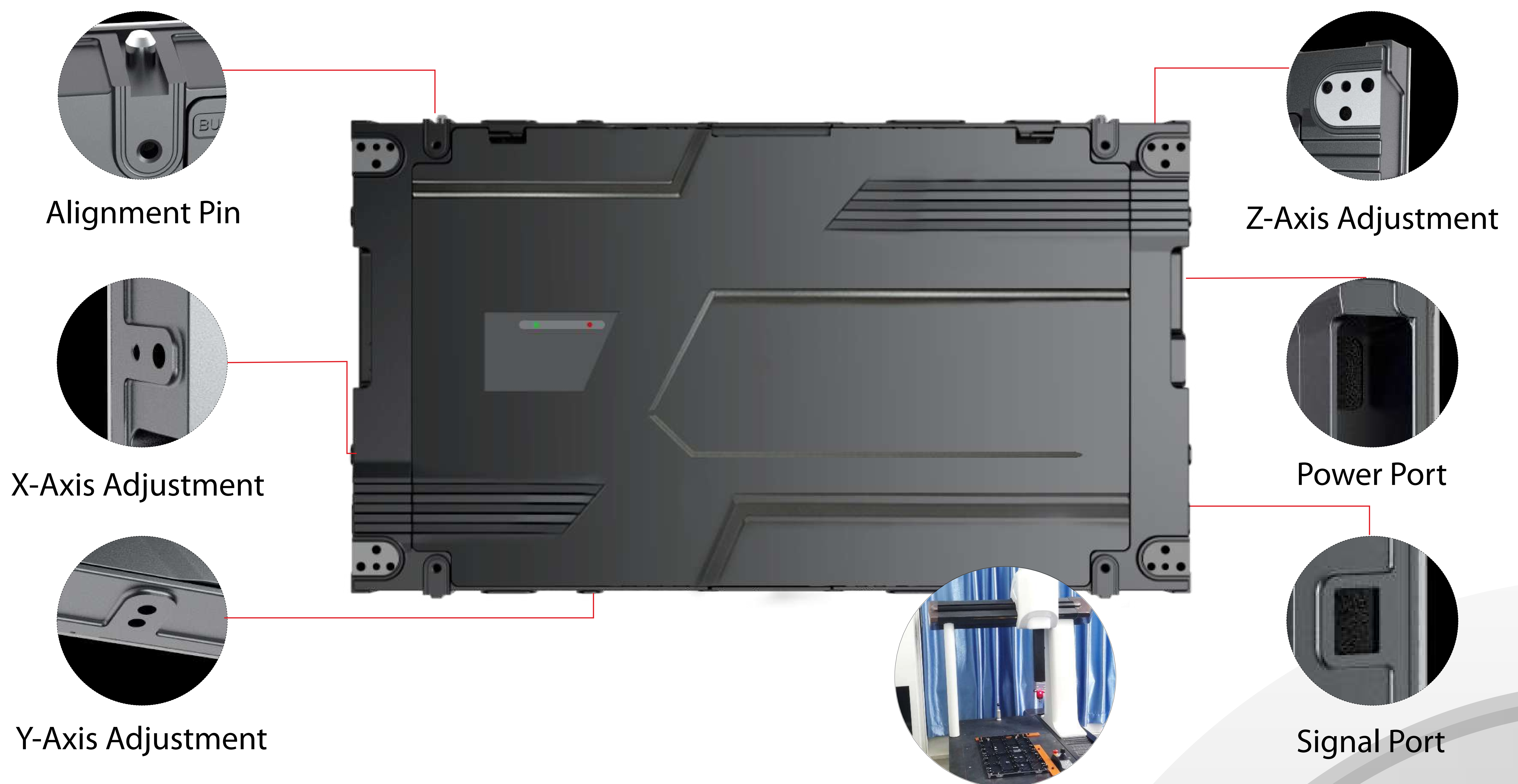
$\pm 0.05\text{mm}$

Flatness

$90^\circ\text{-}180^\circ$

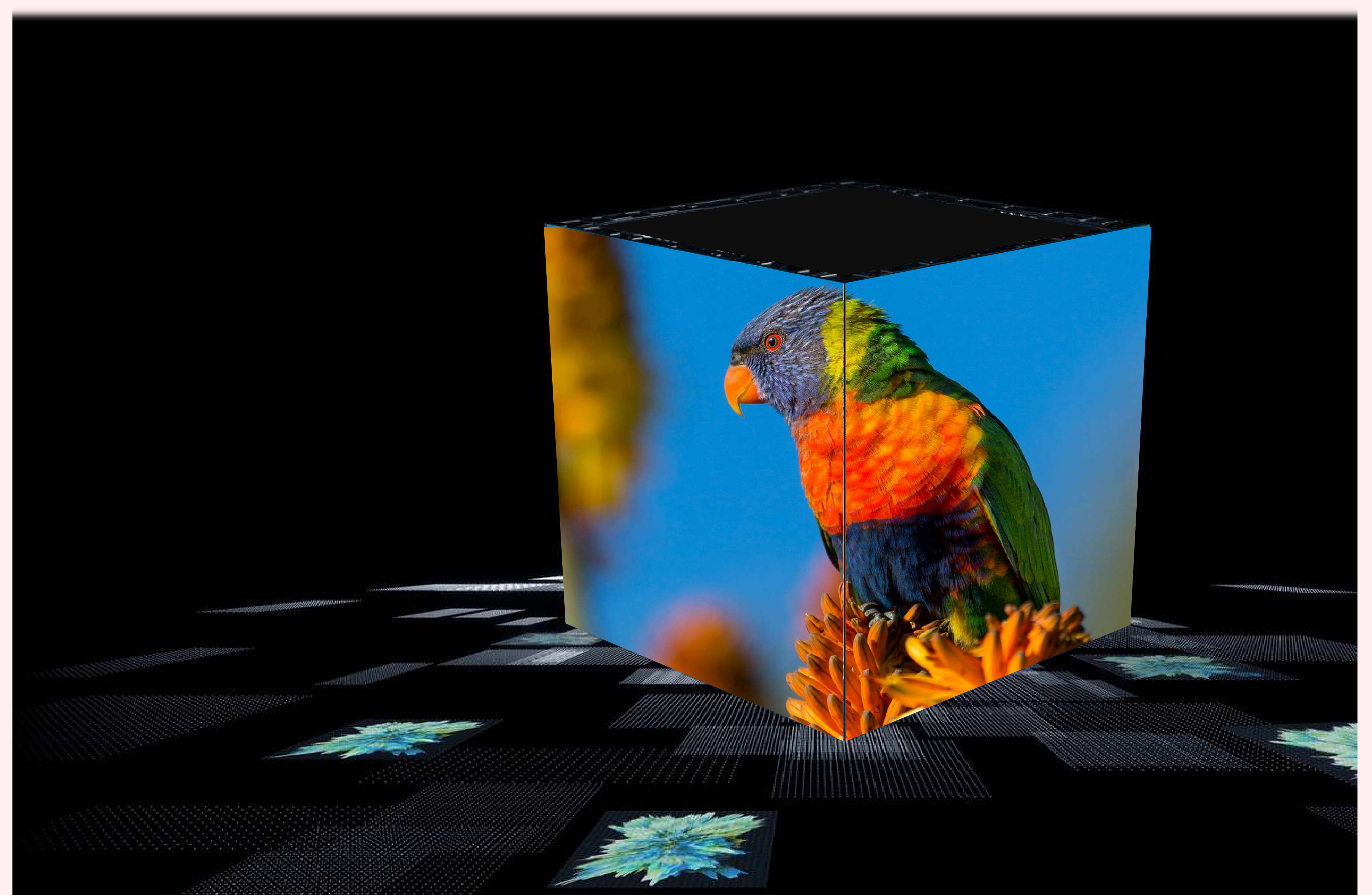
Splicing Angles

Our screens, utilize six-axis cabinet adjustment and module magnetic alignment to reach a $\pm 0.05\text{mm}$ flatness, ensuring a perfect viewing angle.

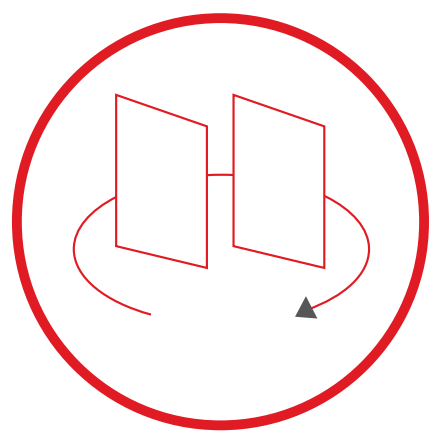


Our cabinets, crafted with aluminum alloy die-casting and real-time 3D inspection, achieve exceptional precision ($\pm 0.02\text{mm}$) for a speedy assembly process.

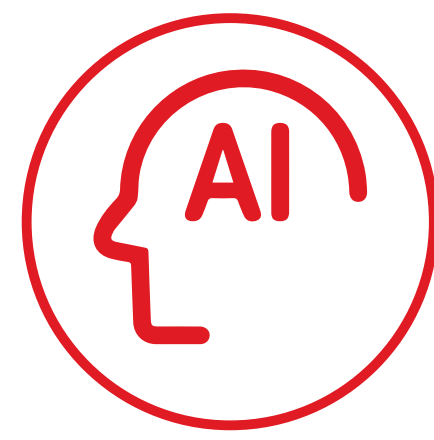
Leveraging high-precision cutting techniques and die-casting accessories, Pixon offers a wide range of customizable splicing angles (90° to 180°) with ultra-thin bezels to bring your ideas to life.



An Invest in Peace of Mind



Dual Backup



AI Intelligent Sensing



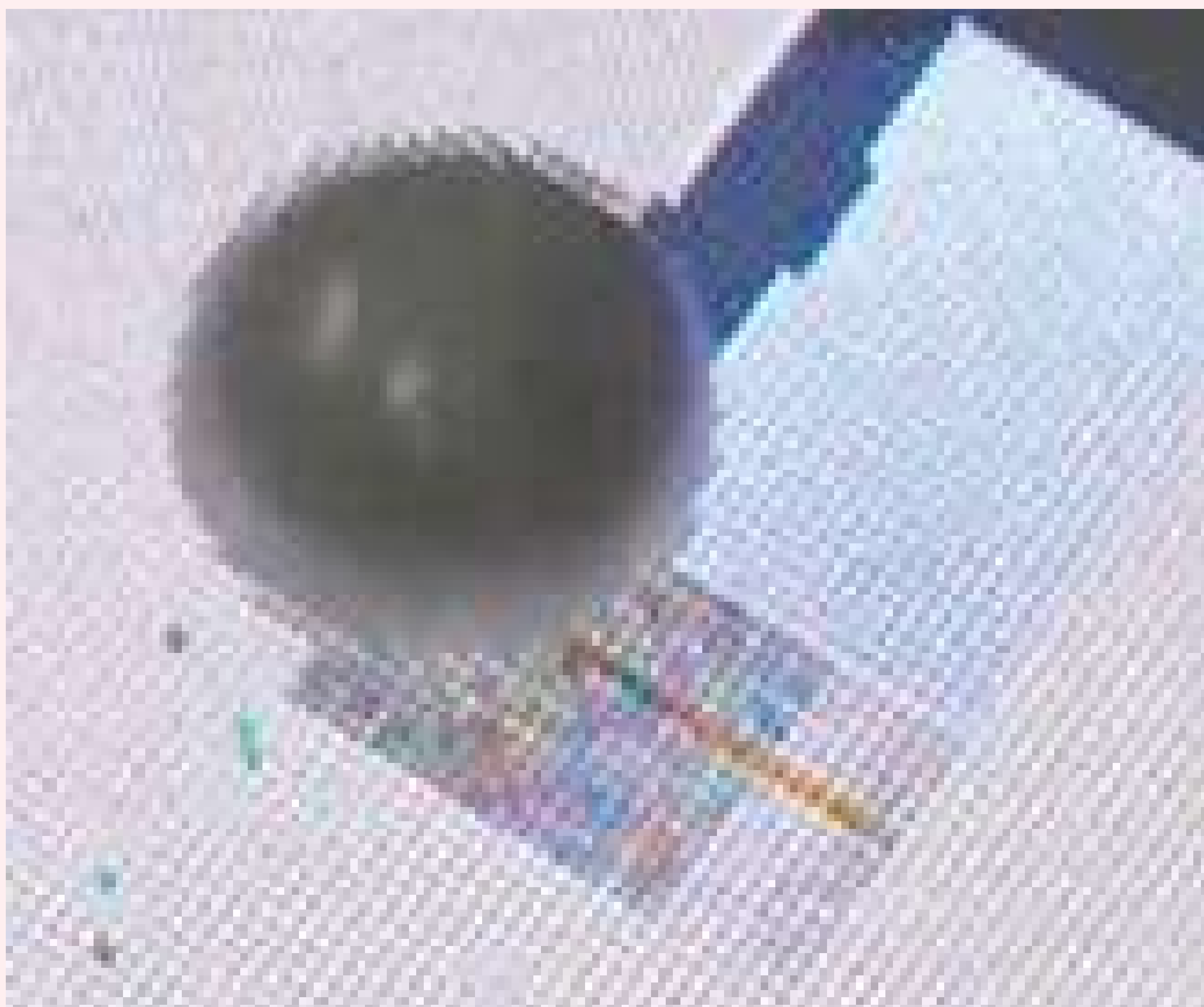
One-Touch Energy Saving



HDR 3.0



5G Transmission



SMD Impact Test



COB Impact Test > 10kg



Wet Cloth Cleaning



Pencil Hardness Tester



50% Reduced Soldering Issues

Full flip-chip design eliminates the need for PN electrode bonding wires, reducing the number of solder points and connections that can fail and improving heat dissipation.



IP54 Protection Rating

Fully encapsulated COB design allows for direct wipe with a wet cloth using pure water without worrying about touching.



4H Surface Hardness

COB+ polymer material filling provide superior protection, preventing dead or dropped LEDs during transportation and installation.



To explore more conguration options, please contact our engineer through sales department.

Specifications

Pixel Pitch (Resolution)	1.875 mm	1.56 mm	1.25 mm	0.9375 mm	0.78 mm
LED Package Type	COB	COB	COB	COB	COB
Module Matrix	80x90	96x108	120x135	160x180	192x216
Module Dimensions	150x168.75 (mm)	150x168.75 (mm)	150x168.75 (mm)	150x168.75 (mm)	150x168.75 (mm)
Module Per Unit (W×H)	4x2	4x2	4x2	4x2	4x2
Cabinet Matrix	320x180	384x216	480x270	640x360	768x432
Cabinet Size (WxHxD)	600x337.5x43.5 (mm)	600x337.5x43.5 (mm)	600x337.5x43.5 (mm)	600x337.5x43.5 (mm)	600x337.5x43.5 (mm)
Cabinet Area	0.2025m ²	0.2025m ²	0.2025m ²	0.2025m ²	0.2025m ²
Cabinet Weight	5KG (11LBS)	5KG (11LBS)	5KG (11LBS)	5KG (11LBS)	5KG (11LBS)
Pixels / m ² (Density)	284,444	409,600	640,000	1,137,777	1,638,400
Cabinet Flatness	≤0.1mm	≤0.1mm	≤0.1mm	≤0.1mm	≤0.1mm
Brightness(NITS)	600/1,000(Customize)	600/1,000(Customize)	600/1,000(Customize)	600/1,000(Customize)	600/1,000(Customize)
Color Temperature	3,000 -10,000K	3,000 -10,000K	3,000 -10,000K	3,000 -10,000K	3,000 -10,000K
Ideal Viewing Angle	170°(H) / 170°(V)	170°(H) / 170°(V)	170°(H) / 170°(V)	170°(H) / 170°(V)	170°(H) / 170°(V)
Contrast Ratio	10,000 :1/20,000 :1	10,000 :1/20,000 :1	10,000 :1/20,000 :1	10,000 :1/20,000 :1	10,000 :1/20,000 :1
Max. Power Consumption	28W/ft ² (300W/m ²)/ 46W/ft ² (500W/m ²)	31W/ft ² (325W/m ²)/ 47W/ft ² (510W/m ²)	31W/ft ² (325W/m ²)/ 47W/ft ² (510W/m ²)	35W/ft ² (375W/m ²)/ 49W/ft ² (530W/m ²)	39W/ft ² (425W/m ²)/ 51W/ft ² (550W/m ²)
Avg. Power consumption	14W/ft ² (150W/m ²)/ 23W/ft ² (250W/m ²)	15W/ft ² (160W/m ²)/ 24W/ft ² (260W/m ²)	15W/ft ² (160W/m ²)/ 24W/ft ² (260W/m ²)	16W/ft ² (175W/m ²)/ 25W/ft ² (265W/m ²)	19W/ft ² (200W/m ²)/ 26W/ft ² (280W/m ²)
Input Voltage	100 ~ 240VAC	100 ~ 240VAC	100 ~ 240VAC	100 ~ 240VAC	100 ~ 240VAC
Video Frame Rate	60 Frames/Second	60 Frames/Second	60 Frames/Second	60 Frames/Second	60 Frames/Second
Refresh Rate	≥3,840 Hz	≥3,840 Hz	≥3,840 Hz	≥3,840 Hz	≥3,840 Hz
LED Life - Span	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Ingress Protection	IP 54 (Surface Cleaning with Water)	IP 54 (Surface Cleaning with Water)	IP 54 (Surface Cleaning with Water)	IP 54 (Surface Cleaning with Water)	IP 54 (Surface Cleaning with Water)
Operating Temperature	-10°C- +40°C	-10°C- +40°C	-10°C- +40°C	-10 - +40	-10 - +40
Storage Temperature	-20°C- +60°C	-20°C- +60°C	-20°C- +60°C	-20 - +60	-20 - +60
Operating Humidity	10 - 90% (No Condensation)	10 - 90% (No Condensation)	10 - 90% (No Condensation)	10 - 90% (No Condensation)	10 - 90% (No Condensation)
Storage Humidity	10 - 95% (No Condensation)	10 - 95% (No Condensation)	10 - 95% (No Condensation)	10 - 95% (No Condensation)	10 - 95% (No Condensation)