

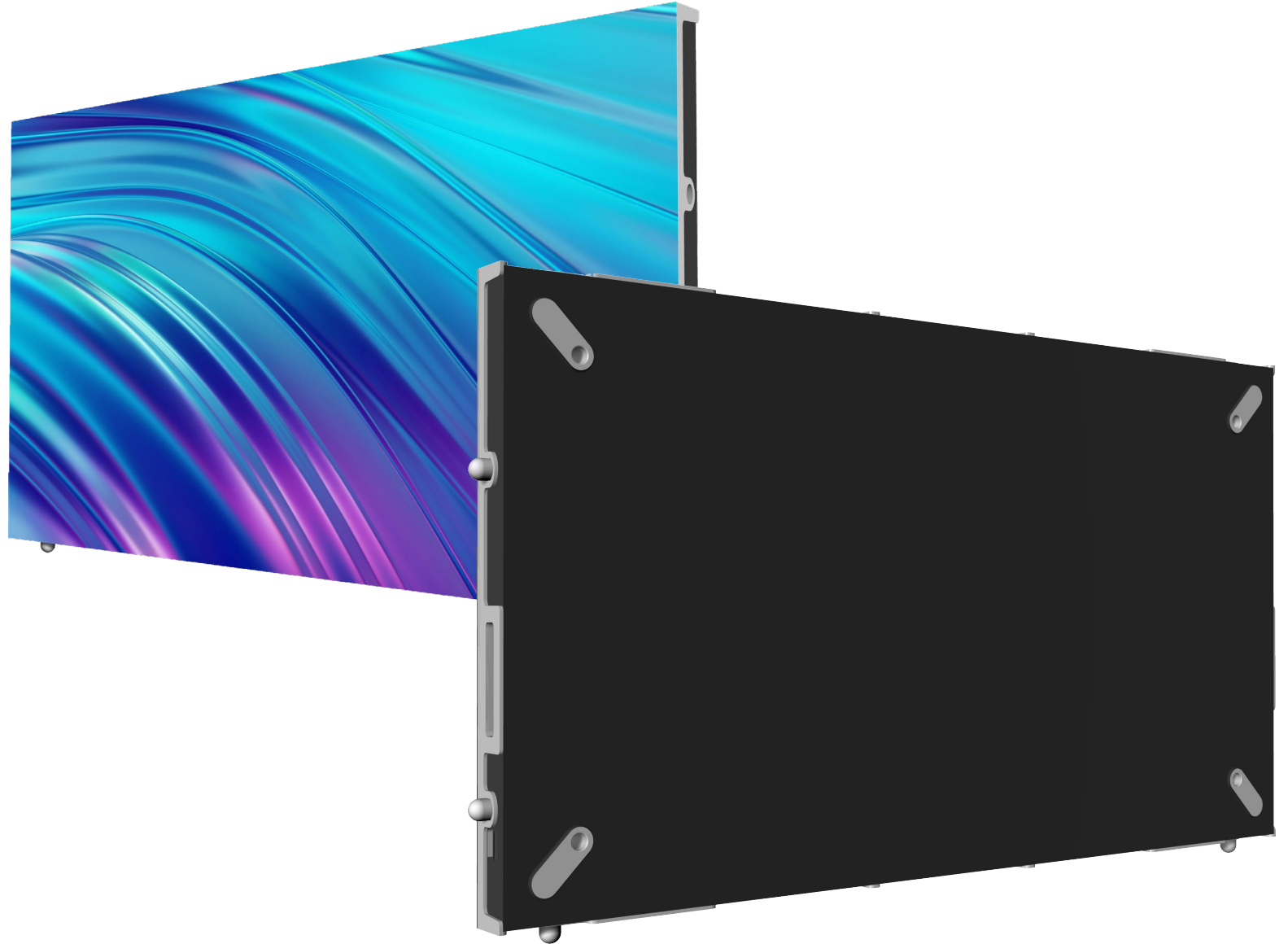
Zenix

Impactrum
Product

Zenix

Real Black
LED screen.

True Black Screen
for Ultimate Contrast
Enhancement.



Zenix

Sleeker and thinner micro LED.

Zenix features an ultra-slim 29.2mm profile, combining sleek design with effortless installation and maximum space efficiency.

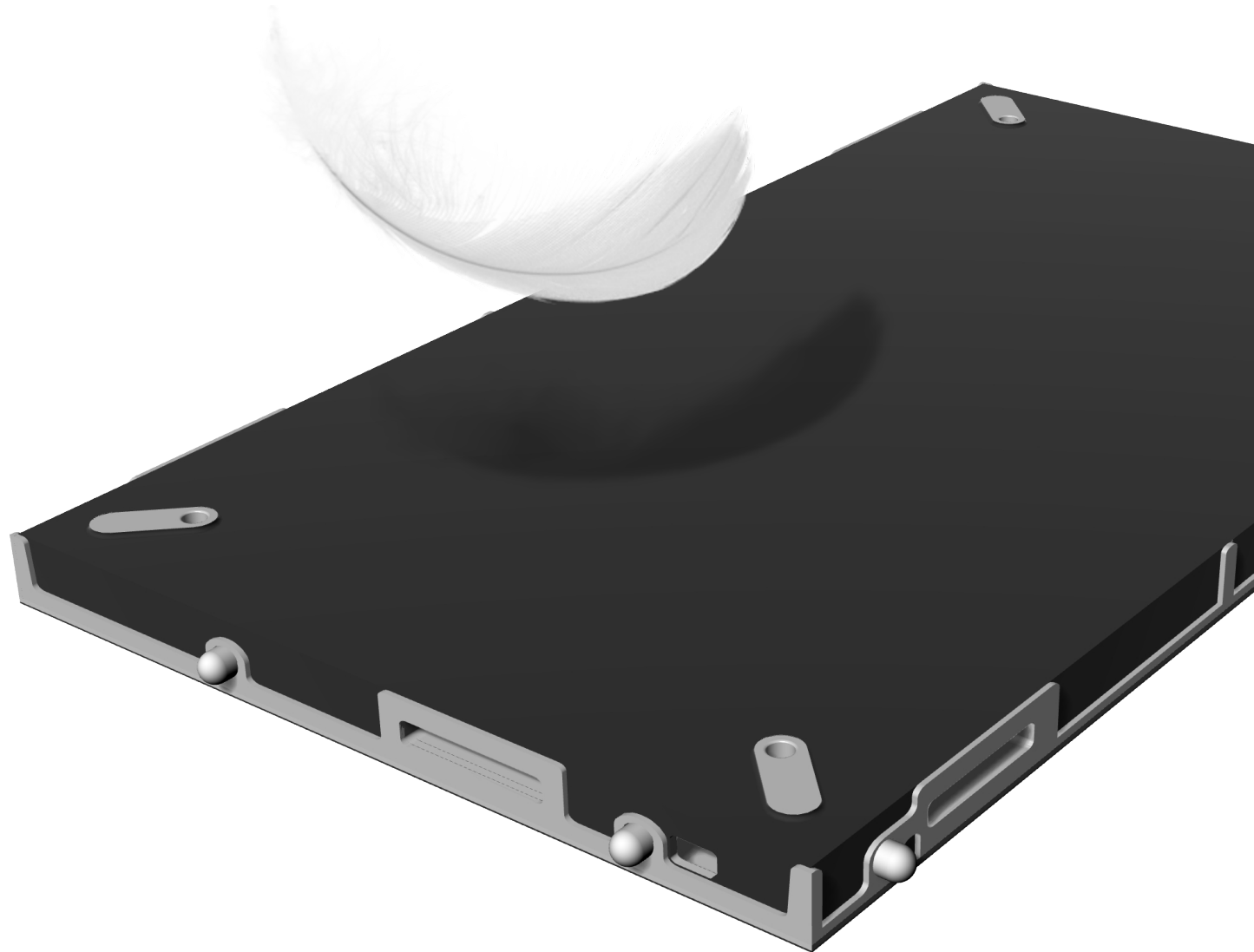
29.2 mm

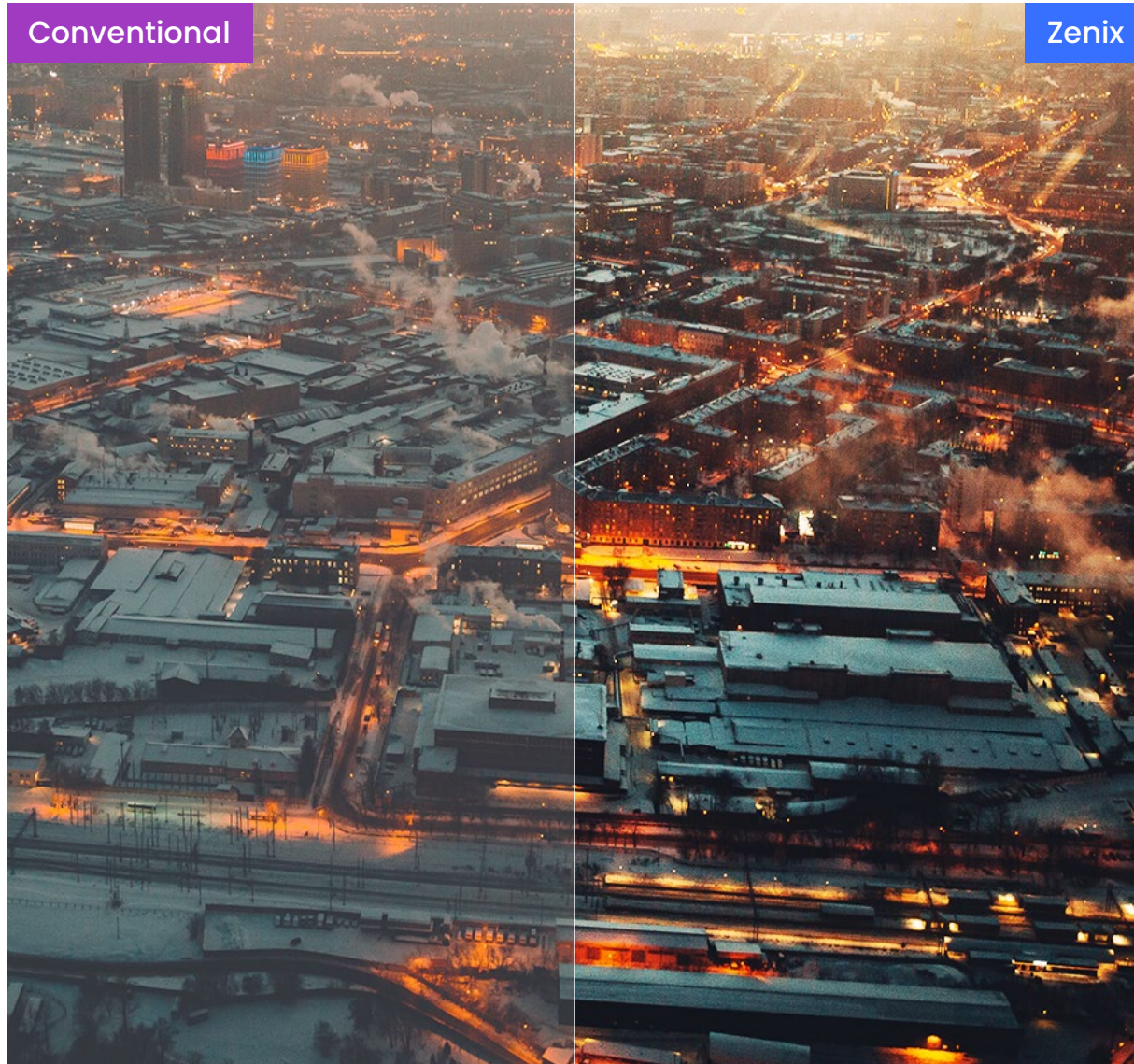


Zenix

Lighter micro LED

Lighter micro LED allows for easier installation, reduces structural load, and ensures stable performance in various environments.





Exceptional contrast

12,000 : 1

Achieving exceptionally high contrast, it brings content to life with vivid clarity.

Standard products offer a contrast ratio in the range of 4,000:1 to 5,000:1.

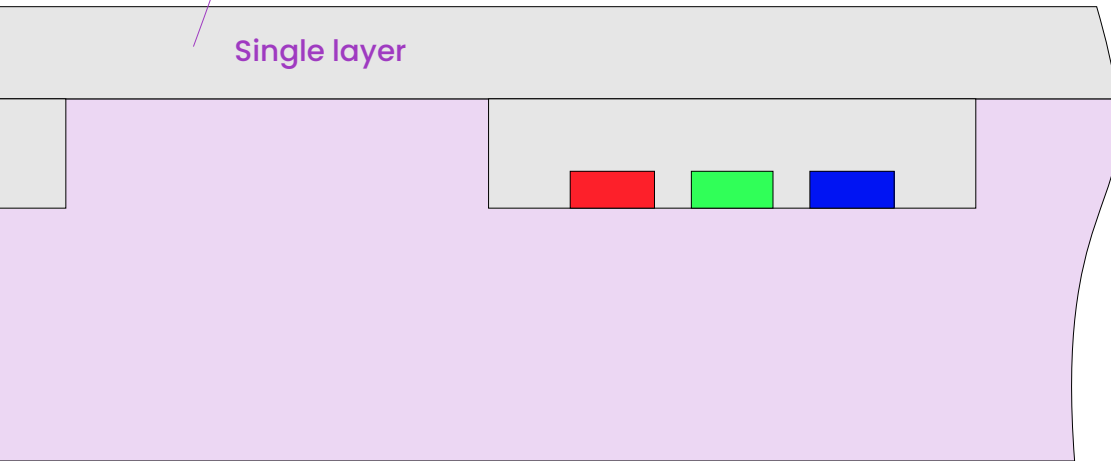
DualCoat™

The most advanced surface coating technology.

Conventional

- Single-layer coating
- Color deviation occurrence
- Hardening and cracking issues
- High reflectivity
- Traces of re-coating after repair
- Yellowing phenomenon occurrence

Single layer



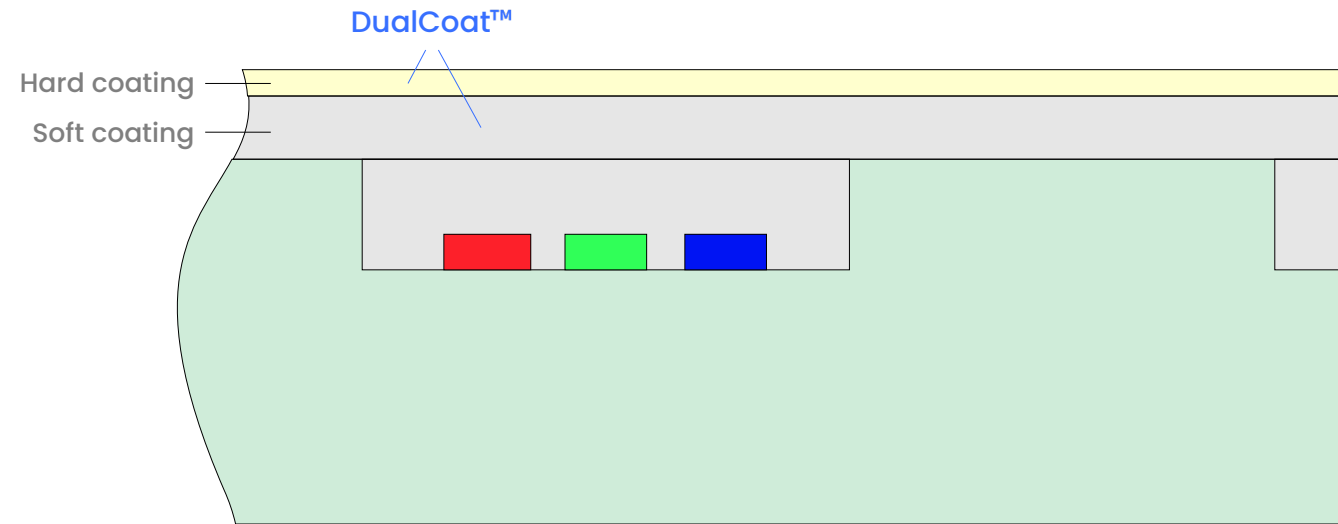
DualCoat™

Internal soft + surface hard coating treatment.

- **Internal soft coating** : Eliminates physical stress on chips through internal expansion/contraction with temperature changes, significantly reducing the occurrence of dead pixels.

- **Surface hard coating** : Powerful coating that provides superior scratch resistance compared to other products.

- Moisture resistance
- Anti-static protection
- Anti-glare treatment
- Prevention of delamination
- Temperature change adaptation
- UV blocking and prevention of yellowing
- High uniformity with no color deviation
- No traces after repair



Exceptional Durability in Any Environment



Standard coatings lack sufficient surface strength to prevent scratches.



Dual Coat offers superior surface strength, making it essential for high-traffic areas.

Ultra-Low Power Consumption

325 w/sqm

Max. Power Consumption
per Square Meter

What if the power consumption is high?



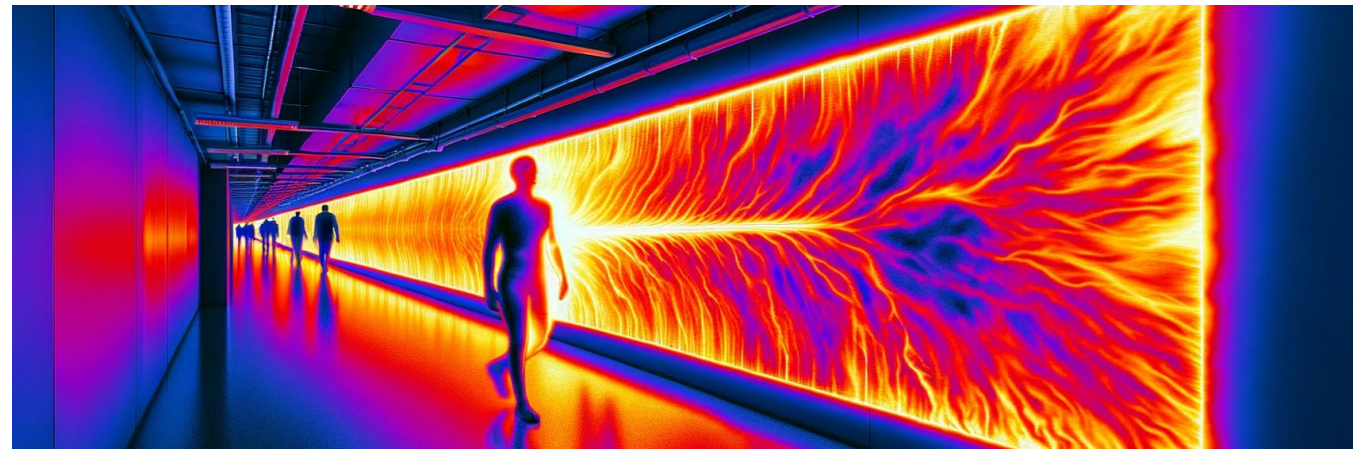
Rapid Aging

Discoloration and noise occur within a few months.



Degradation Phenomenon

Images become unclear, and heat-induced lines appear.

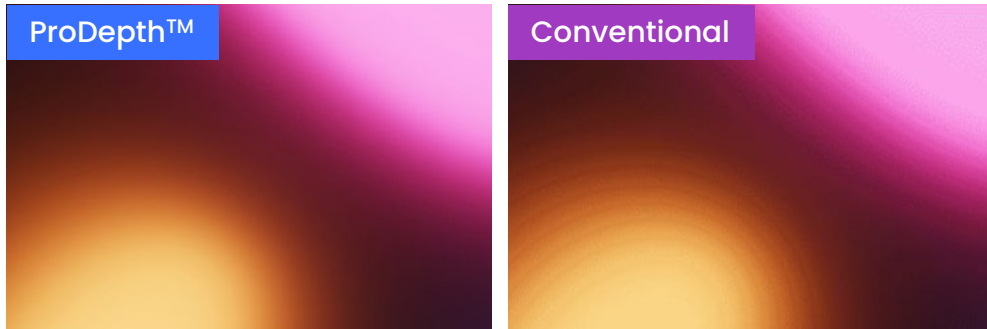


Reduced Advertising Effectiveness Due to Unpleasant Heat

When proximity advertising screens generate excessive heat, the discomfort caused by the heat diminishes the positive perception of the advertising content.

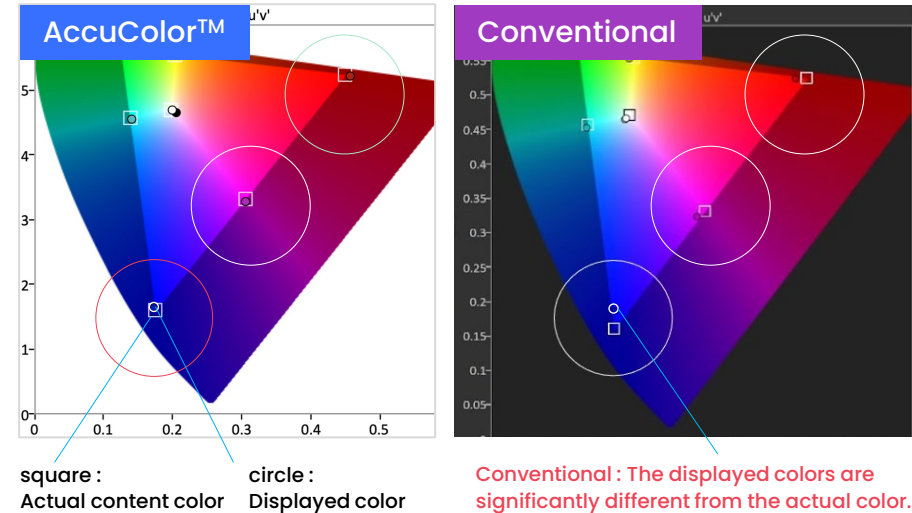
Superior quality.

ProDepth™



If you look closely at the LED screen, there are too many products that cannot properly express grayscale (bit depth). ProDepth™ expresses more detailed gradation over a wider range of brightness.

AccuColor™

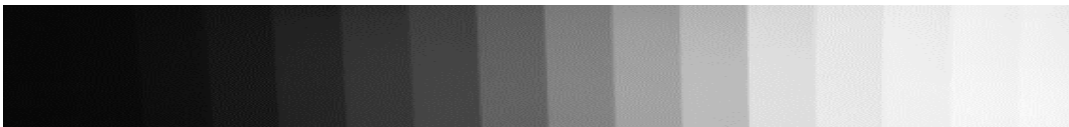
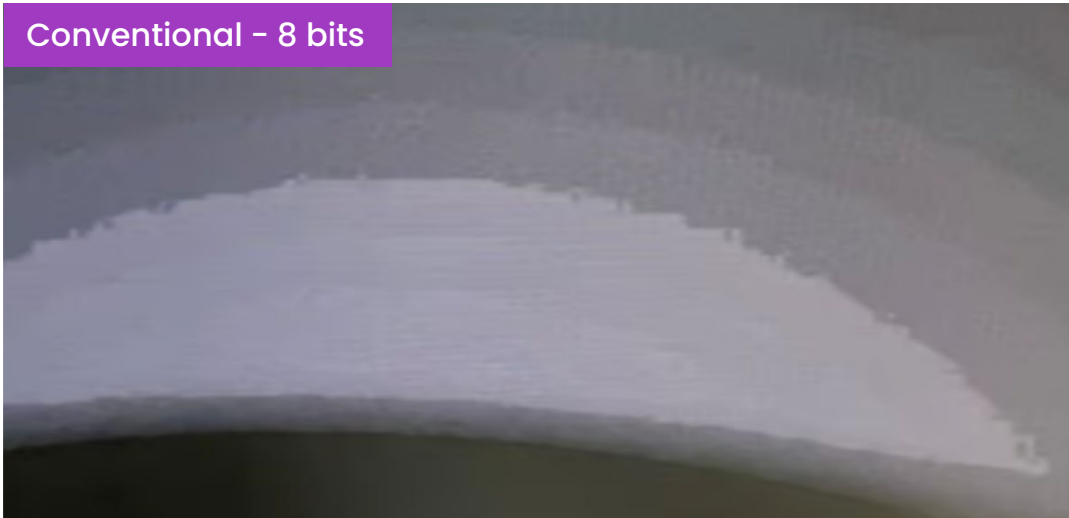


Our technology, AccuColor™, utilizes its own color algorithm, resulting in highly accurate color expression compared to existing products. Even difficult-to-match colors like blue are displayed with precision.

22 color bits.

By precisely controlling brightness, small differences can be discerned and smooth gradations can be achieved.

Conventional - 8 bits



Core - 22 color bits

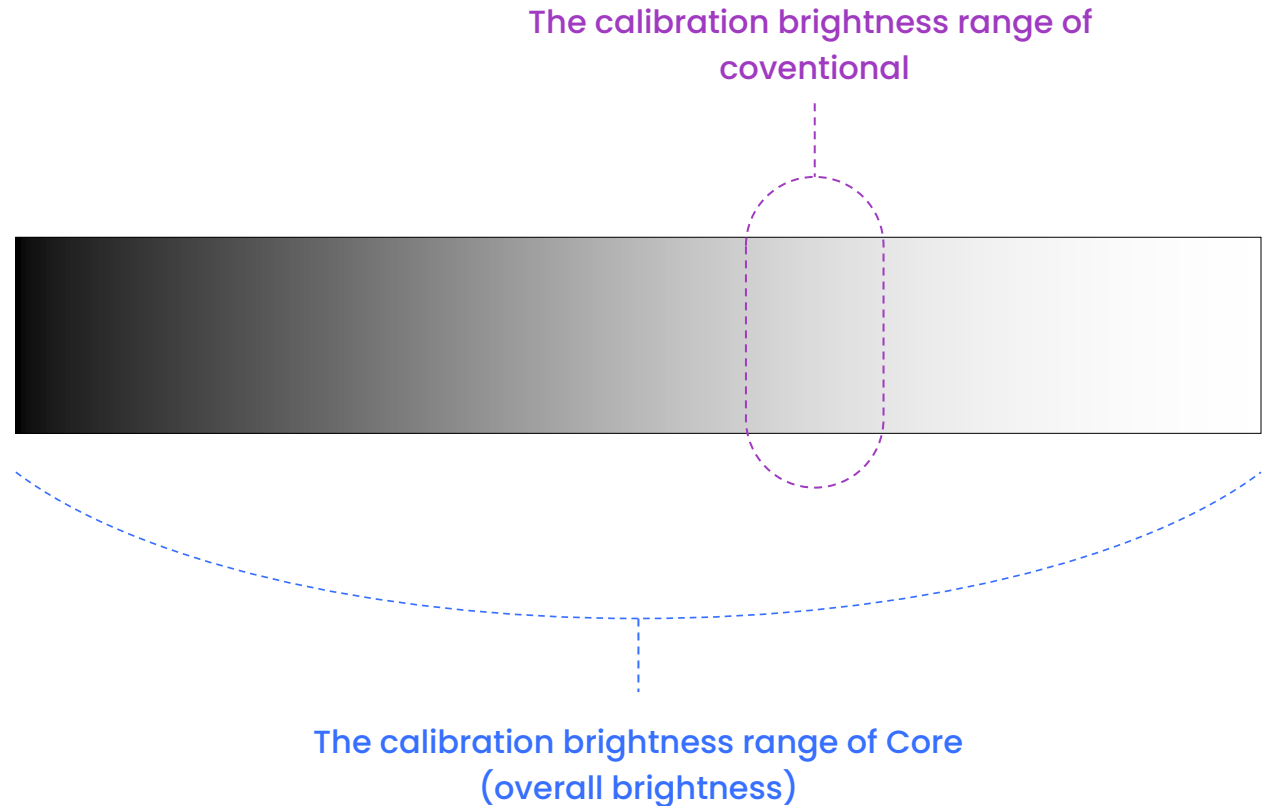


Full grayscale calibration.

Core displays a clean screen without any noise, regardless of the brightness level used.

Calibration?

LED lamps have brightness variations, requiring a process to achieve uniform brightness. This process is called calibration and is typically performed only within certain reference brightness ranges. Colors of content that fall outside this range may experience a decrease in uniformity effect.



Zenix Specification.

Product	Zenix p0.7	Zenix p0.9	Zenix p1.2	Zenix p1.5
Pixel Pitch	0.78125 mm	0.9375 mm	1.25 mm	1.5625 mm
Lamp	Full Flip-chip	Full Flip-chip	Full Flip-chip	Full Flip-chip
Brightness	600 nit	600 nit	600 nit	600 nit
Module Size	150 x 168.75 mm	150 x 168.75 mm	150 x 168.75 mm	150 x 168.75 mm
Module Resolution	192 x 216 px	160 x 180 px	120 x 135 px	96 x 108 px
Panel Size	600 x 337.5 mm			
Panel Resolution	768 x 432 px	640 x 360 px	480 x 270 px	384 x 216 px
Refresh Rate	3840 Hz	3840 Hz	3840 Hz	3840 Hz
Viewing Angle	178° (H, V)	178° (H, V)	178° (H, V)	178° (H, V)
Working Temperature	-20~40 °C			
Working Humidity	10%~85%			
Weight	20.8 kg / sqm	20.8 kg / sqm	20.8 kg / sqm	20.8 kg / sqm
Maintenance	Front	Front	Front	Front
Power Consumption	Max. 325 w/sqm Avg. 225 w/sqm			
Life Span	100,000 hours	100,000 hours	100,000 hours	100,000 hours

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