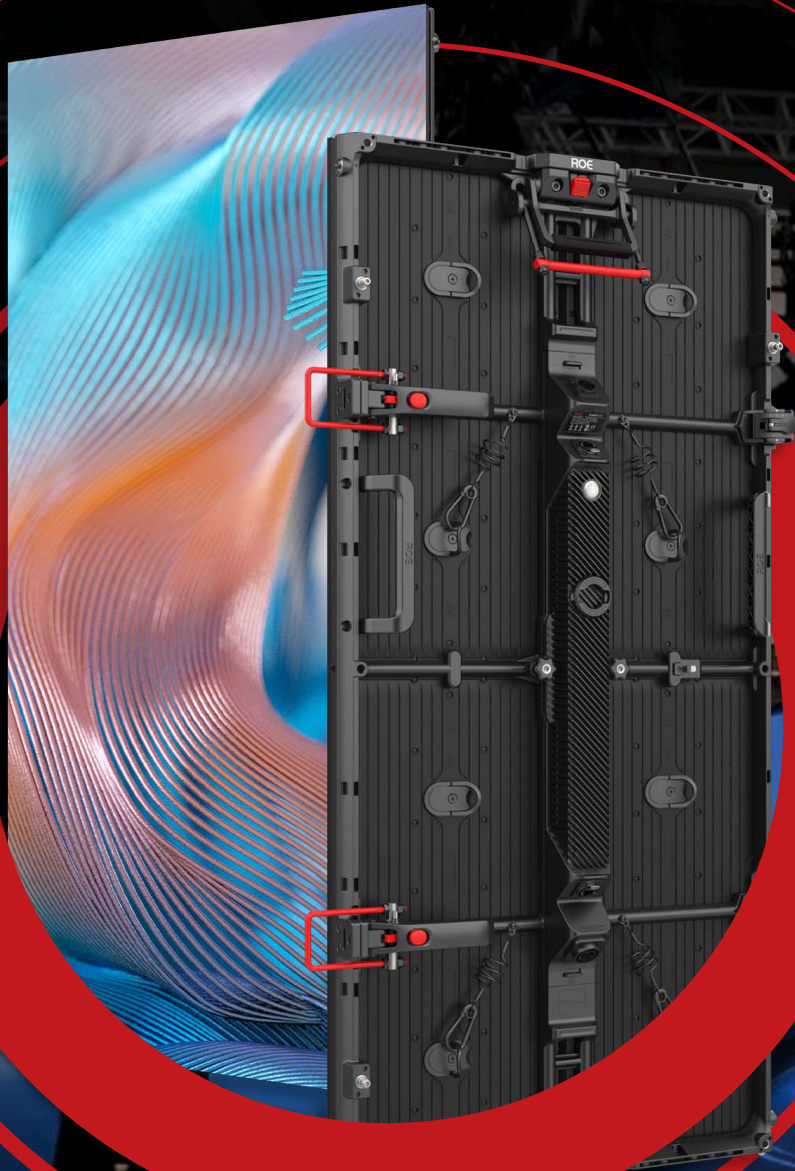


# ROE

CREATIVE DISPLAY



## Graphite

Durable Meets Lightweight

INDOOR LED PANELS

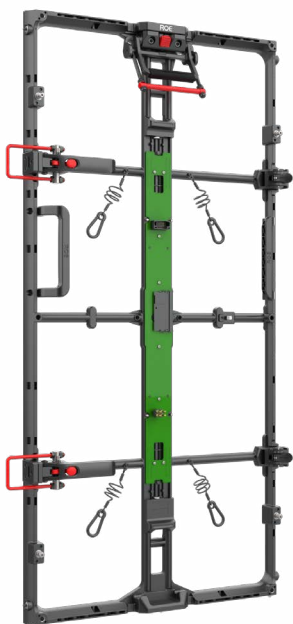


# Less Weight - More Performance

Building large indoor LED walls while minimizing weight is now achievable with Graphite. This lightweight yet powerful LED panel weighs only 17.2kg per sqm, making it perfect for creating indoor LED walls and ceilings.

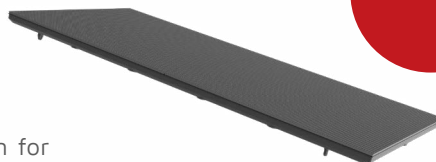


**17.2kg/m<sup>2</sup>**



Single module type for  
all positions on the LED panel

interchangeable

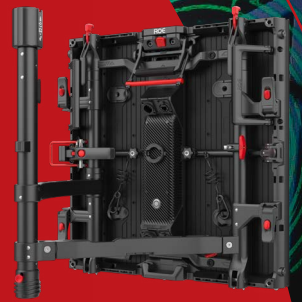


Improved design for  
more rigidity



A new customized PSU  
offers a higher level of  
integration with a slimmer,  
more compact design





## Air-Truss Choice

The optional lightweight Air-Truss provides added strength and stability to your LED wall, making it ideal for vertical or angled installations.





# Graphite is Your Lightweight, Fast-building Indoor LED Solution

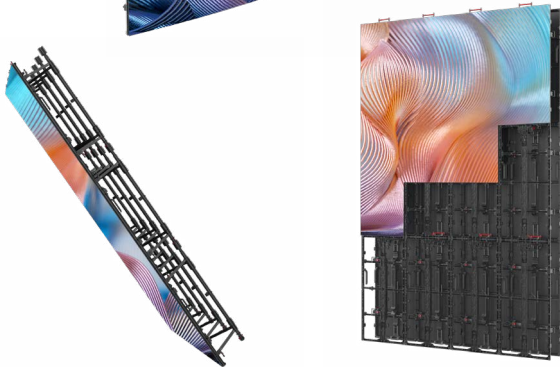
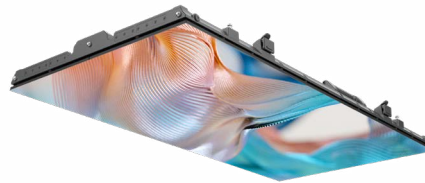
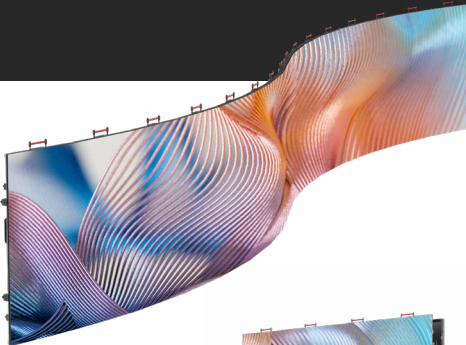
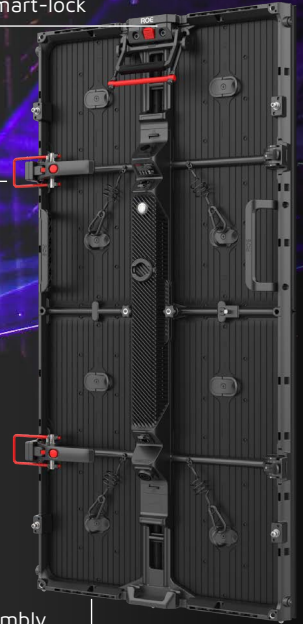
## Save on Production Time

When building large LED walls, speed is essential to save valuable production time. Graphite is designed for rapid assembly with its large, lightweight panels, integrated magnet-assisted assembly, and efficient smart-lock system. This quick-lock mechanism enables up to 40% faster installation compared to standard LED panels, making it the ideal choice for time-sensitive projects.

Vertical Smart-lock

Horizontal Smart-lock

Magnet Assembly

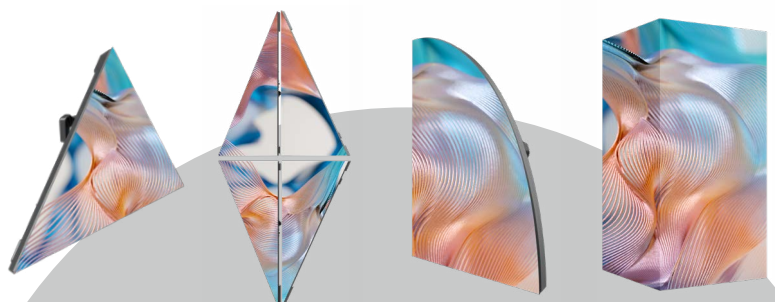


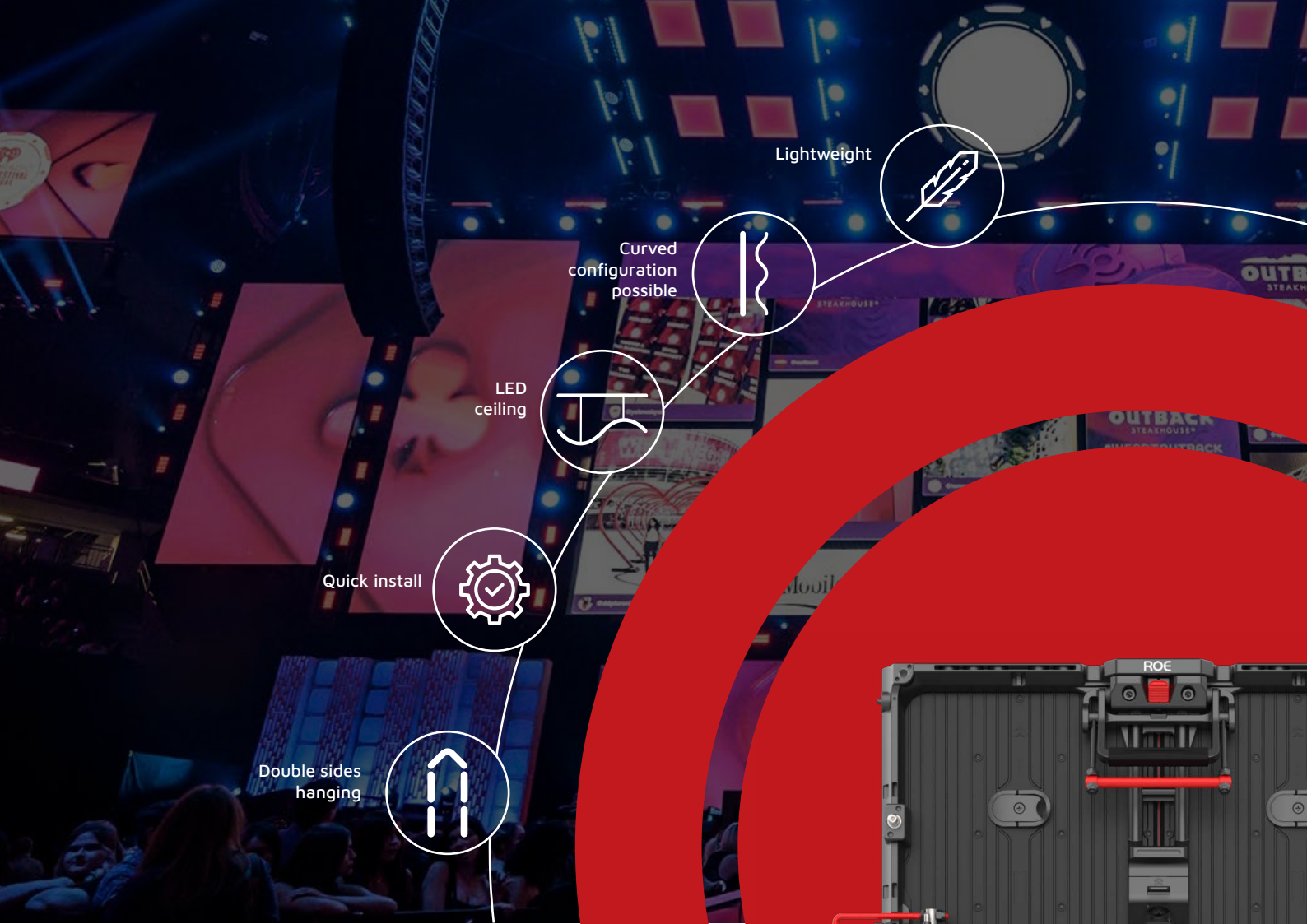
## The Freedom to Design

Graphite provides unmatched creative freedom with its versatile application options, accommodating both straight and curved designs. Whether crafting LED displays on walls, ceilings, or angled surfaces, Graphite adapts seamlessly to any position, even allowing for double-sided use, to bring your creative vision to life.

## Multi-Creative Shapes

The Graphite series includes triangle, sector, and right-angle splicing panels, empowering stage designers with versatile options for unique, creative solutions.





Lightweight



Curved  
configuration  
possible



LED  
ceiling



Quick install



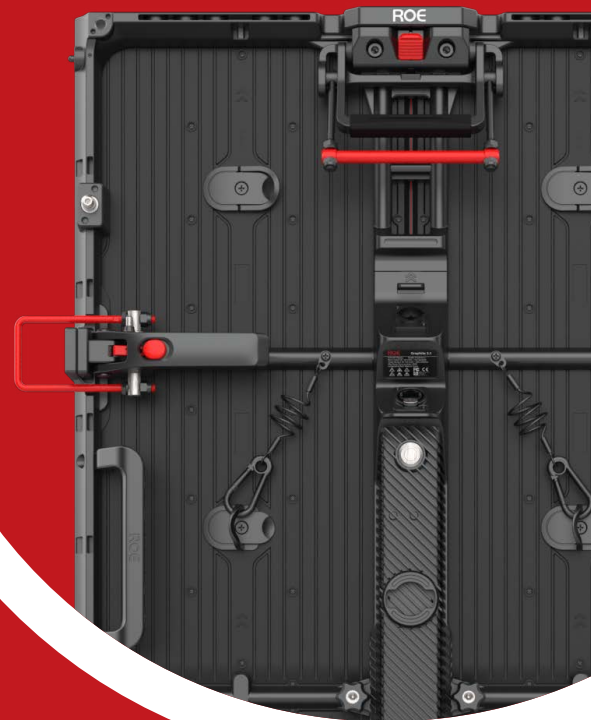
Double sides  
hanging



Easy  
maintenance

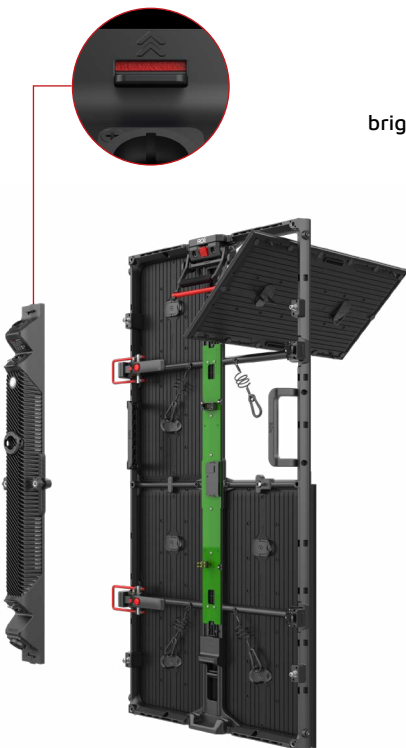


High  
brightness



## Easy Maintenance

Graphite offers easy, in-service maintenance. Both the PSU and the LED modules can be swapped while in use. The LED modules are interchangeable and can be replaced from the front as well as from the back of the LED panel.





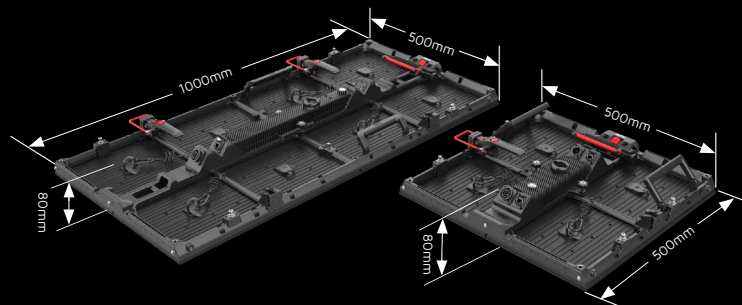
## Specifications

Graphite	GP2.6	GP2.6(4 in 1)	GP3.1	GP3.9
Pixel Pitch	2.604mm	2.604mm	3.125mm	3.91mm
Max Brightness Calibrated	1500nits	1500nits	1500nits	1500nits
Panel Dimension	500mm x 1000mm x 80mm 19.7" x 39.4" x 3.1"	500mm x 1000mm x 80mm 19.7" x 39.4" x 3.1"	500mm x 1000mm x 80mm 19.7" x 39.4" x 3.1"	500mm x 1000mm x 80mm 19.7" x 39.4" x 3.1"
Panel Resolution (H x V)	192 x 384	192 x 384	160 x 320	128 x 256
Panel Weight	9kg; 19.84lbs	8.6kg; 18.96lbs	9kg; 19.84lbs	9kg; 19.84lbs
Power Consumption Max / Average	320W / 160W	250W / 125W	320W / 160W	320W / 160W
BTU Max / Average	1100 / 500	850 / 390	1100 / 500	1100 / 500
Transparency	Solid	Solid	Solid	Solid
Serviceability	Front / Rear	Front / Rear	Front / Rear	Front / Rear
Curving (Concave & Convex)	Concave 3°/5°, 0°, Convex 3°/5°	Concave 3°/5°, 0°, Convex 3°/5°	Concave 3°/5°, 0°, Convex 3°/5°	Concave 3°/5°, 0°, Convex 3°/5°
Max. Hanging (panels) *1	12	12	12	12
Max. Stacking (panels) *2	6	6	6	6
LED Configuration	SMD 1515 Black	4 in 1 common anode	SMD 1515 Black	SMD 1515 Black
Viewing Angle Horizontal	160°	160°	160°	160°
Viewing Angle Vertical	140°	140°	140°	140°
Scan Ratio	1/16	1/16	1/16	1/16
Refresh Rate	7680Hz	7680Hz	3840Hz	3840Hz
Gray Scale	16bit	16bit	14bit	14bit
Frame Material	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy
Processing Platform	Brompton / Megapixel / Evision	Brompton / Megapixel / Evision	Brompton / Megapixel / Evision	Brompton / Megapixel / Evision
Operational Temp / Humidity	-20°~45°C, 10~90%RH -4°~113°F, 10~90%RH	-20°~45°C, 10~90%RH -4°~113°F, 10~90%RH	-20°~45°C, 10~90%RH -4°~113°F, 10~90%RH	-20°~45°C, 10~90%RH -4°~113°F, 10~90%RH
Storage Temp / Humidity	-40°~60°C, 10~90%RH -40°~140°F, 10~90%RH	-40°~60°C, 10~90%RH -40°~140°F, 10~90%RH	-40°~60°C, 10~90%RH -40°~140°F, 10~90%RH	-40°~60°C, 10~90%RH -40°~140°F, 10~90%RH
IP Rating	IP40	IP40	IP40	IP40
Certifications	CE, ETL, FCC, UKCA	CE, ETL, FCC, UKCA	CE, ETL, FCC, UKCA	CE, ETL, FCC, UKCA

\*Notes: The specifications are for reference, actual values may vary.

1. The max. hanging amount is only valid when the ROE Visual hanging bar and complementary accessories are used and in an indoor situation, safety factor is 8. No climbing is allowed.
2. The max. stacking amount is only valid when the ROE Visual stacking system and complementary accessories are used, sufficient ballast is applied and in an indoor situation. No climbing is allowed.

## Dimensions



[www.roevisual.com](http://www.roevisual.com)

ROE China | ROE US | ROE EU | ROE UK | ROE JP | ROE ME | ROE AUS  
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