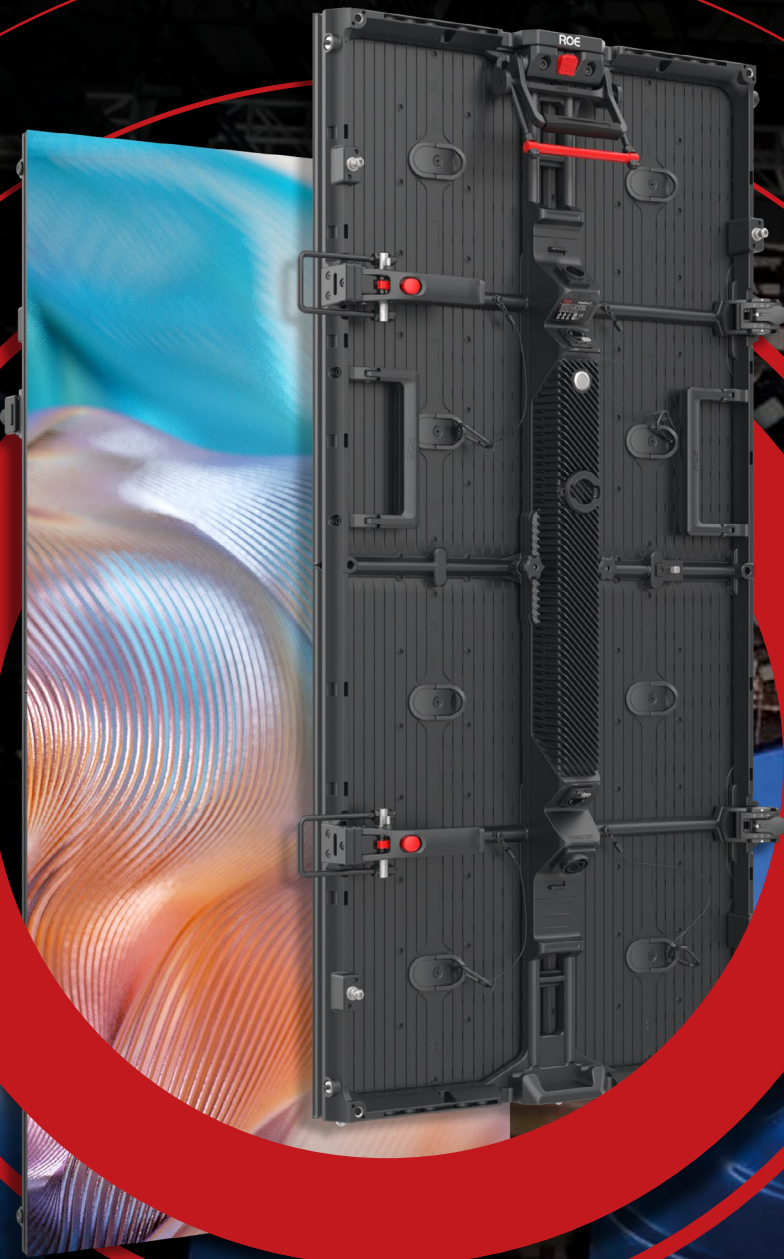


# ROE

CREATIVE DISPLAY



## Graphite

Durable Meets Lightweight

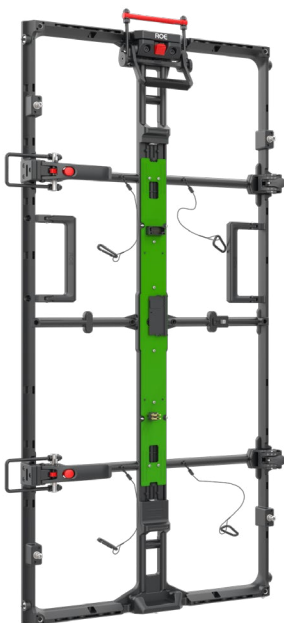
INDOOR LED PANELS

# Lose Weight – Add Performance

Building large indoor LED walls while keeping the overall added weight down is now possible with Graphite. Graphite offers a lightweight LED panel without compromising on performance. With a weight of only 18kg per sqm, this sturdy LED panel is ideal for creating indoor LED walls and ceilings.



**18kg/m<sup>2</sup>**



Better design,  
more rigidity.

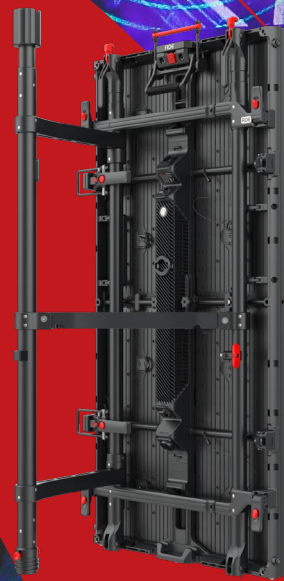
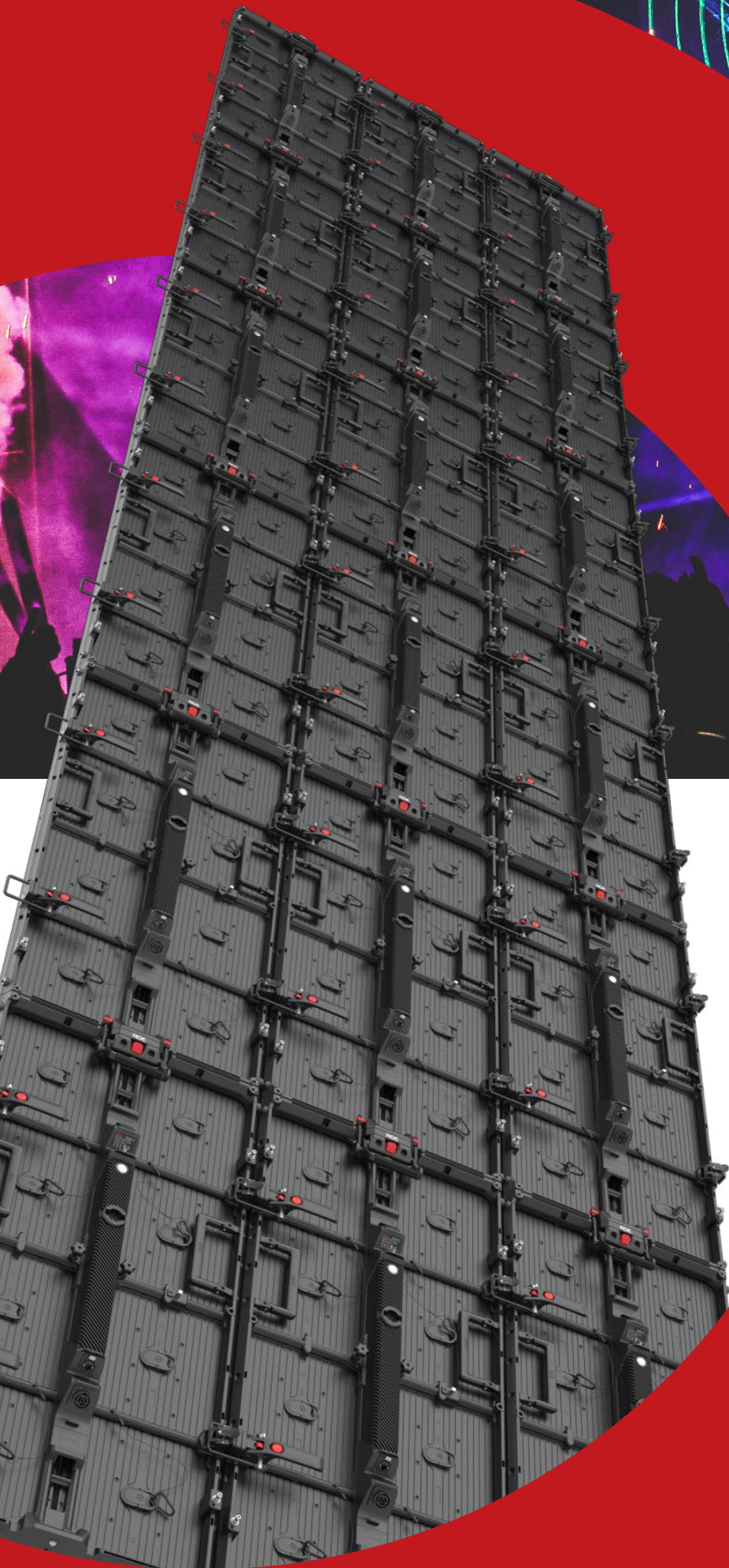
Interchangeable modules.  
Only one type of module for all positions  
on the LED panel.



inter  
change  
able



New customized PSU,  
higher integration  
and narrower.



## Air-Truss Choice

The Optional Lightweight Air-Truss adds the extra strength needed to your LED wall when build-in vertical or angled positions.



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

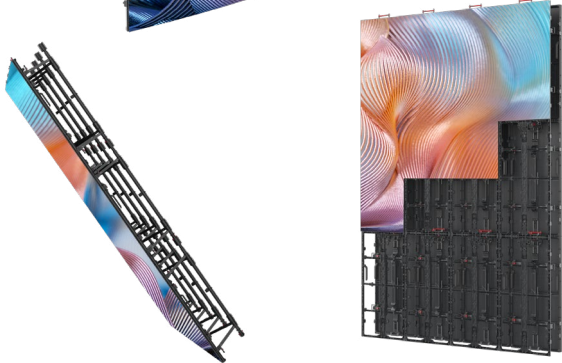
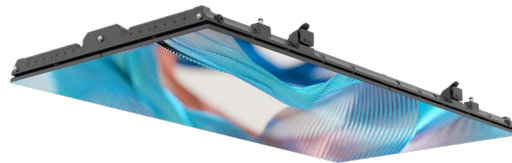
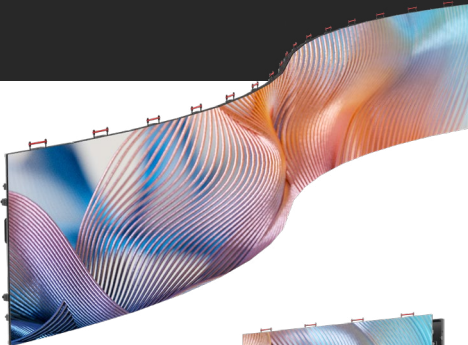
## Safe on Production Time

Building large LED walls fast is paramount, reducing valuable production time. Graphite accommodates fast-building with its large, lightweight panels, integrated magnet-assisted assembly, and smart-lock system. Using the quick smart-lock system, you can achieve a time saving of about 40% compared to standard LED panels.

Vertical Smart-lock

Horizontal Smart-lock

Magnet Assembly

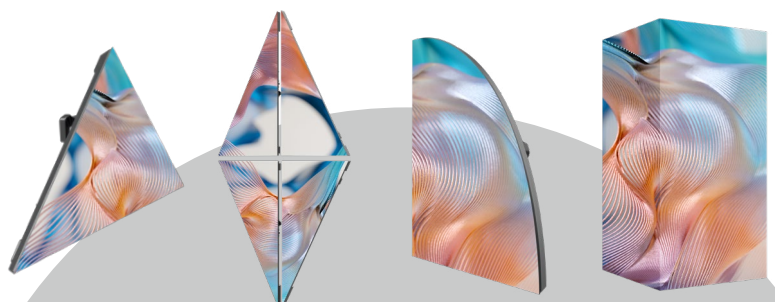


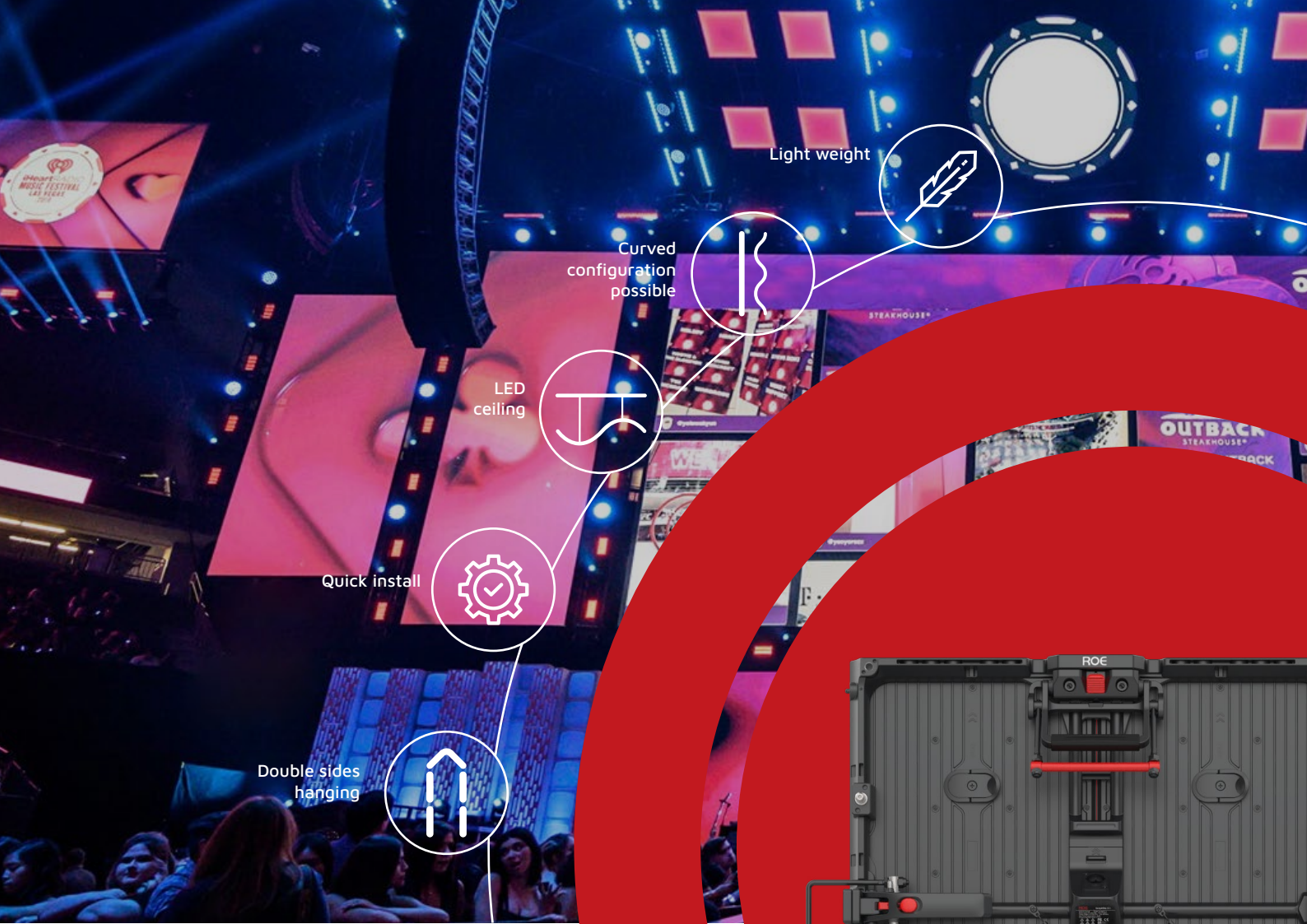
## The Freedom to Design

Graphite offers creative freedom through its flexible application options, whether in straight or curved designs. With Graphite, you can create LED displays at every position, like a wall, ceiling, or raked at any angle; even double-sided use is possible.

## Multi-Creative Shapes

The Graphite series offers triangle, sector, and right-angle splicing panels for creative solutions, giving more space and freedom for the stage designer.





Light weight



Curved configuration possible



LED ceiling



Quick install



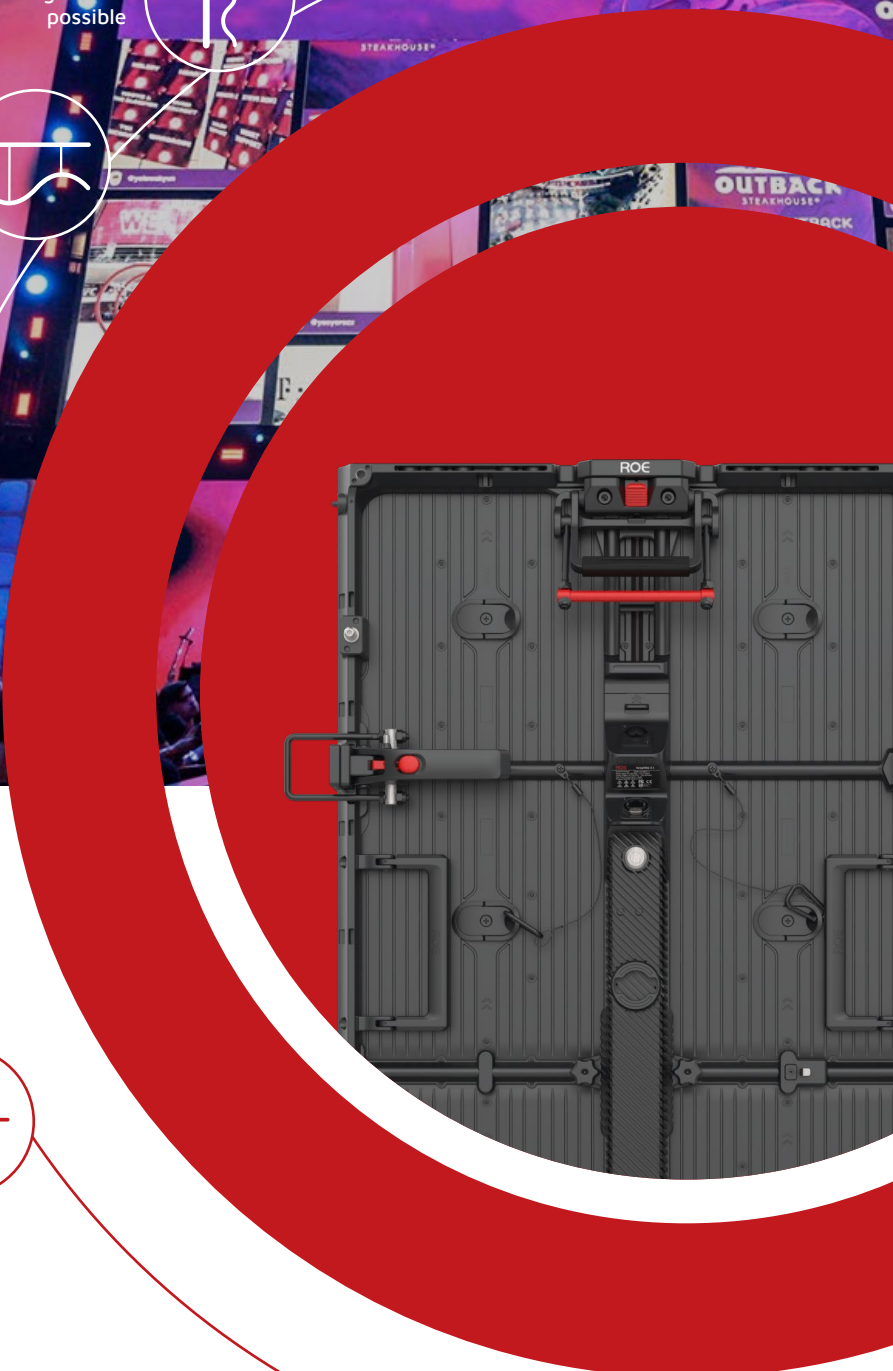
Double sides hanging



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.

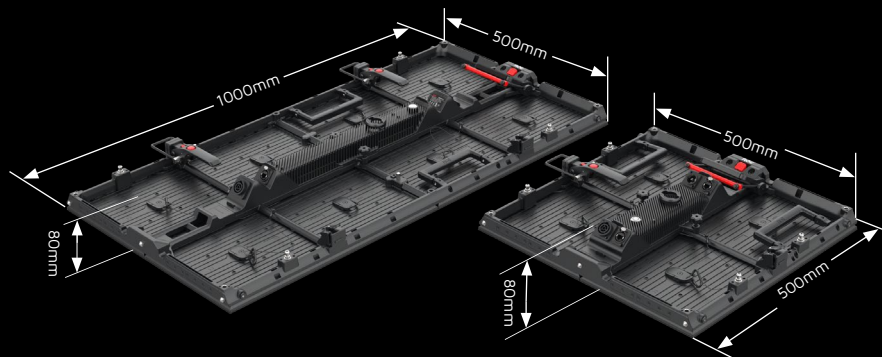
# Specifications

| 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<br>19.7" x 39.4" x 3.1" | 500mm x 1000mm x 80mm<br>19.7" x 39.4" x 3.1" | 500mm x 1000mm x 80mm<br>19.7" x 39.4" x 3.1" | 500mm x 1000mm x 80mm<br>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 5° / 0° / Convex 5°                   | Concave 5° / 0° / Convex 5°                   | Concave 5° / 0° / Convex 5°                   | Concave 5° / 0° / Convex 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<br>-4°~113°F, 10~90%RH    | -20°~45°C, 10~90%RH<br>-4°~113°F, 10~90%RH    | -20°~45°C, 10~90%RH<br>-4°~113°F, 10~90%RH    | -20°~45°C, 10~90%RH<br>-4°~113°F, 10~90%RH    |
| Storage Temp / Humidity         | -40°~60°C, 10~90%RH<br>-40°~140°F, 10~90%RH   | -40°~60°C, 10~90%RH<br>-40°~140°F, 10~90%RH   | -40°~60°C, 10~90%RH<br>-40°~140°F, 10~90%RH   | -40°~60°C, 10~90%RH<br>-40°~140°F, 10~90%RH   |
| IP Rating                       | Indoor  | Indoor  | Indoor  | Indoor  |
| 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  
[roe@roevisual.com](mailto:roe@roevisual.com)