Carbon 5

■ Features

Ultra-Lightweight
The carbon fiber frame and slim design (only 77mm of depth) make these panels an ultra-lightweight solution that saves cost, and increases the safety of very large hanging screens."

Indoor/Outdoor
Carbon panels are perfect for indoor use because of their deep contrast, but also carry an IP65 rating alongside the ability to operate at up to 6000nits for outdoor use. Versatility is key, and Carbon is the industry leader for multi-purpose productions.

Half-Panel Option
While the standard panel is 600mmx1200mm (w x h), we also manufacture half-panels at 600mmx600mm for the ability to customize corners and edges.

Curve Options
Because of its flexibility, Carbon panels are able to be arranged with a concave or convex curve (10° with video display on the outside and 15° with video display on the inside).

Touring Frame
Carbon has been designed to work with the same touring frames as our Hybrid and Magic Cube lines, allowing for mixed use and heavy application.

■ Introduction

Carbon panels are our first line incorporating lightweight carbon fiber technology. More and more uses are being found for versatile, ultra-lightweight panels from the stage to the corporate event, and Carbon panels strike the perfect balance of stability and weight. All this whilst preserving the easy setup and maintenance of all ROE product to save on time and labor costs.

■ Specification■

Carbon Specfication	CB5
Pixel Pitch	5.77mm
Pixel / Tile	104×208
Pixel Density	30044/sqm
LED Configuration	White SMD 3-in-1
Viewing Angle(Hor/Vert)	140°/140°
Max. Brightness	6000 nits(NationStar 1921)
Transparency	Solid
Refresh Rate	3840Hz
Gray Scale	16bit
Scan	1/4
Tile Dimension(W×H×D)	600mm×1200mm×77mm 23.6"×47.2"×3.0"
Frame Material	Carbon Fiber/Magnesium Alloy
Curve(optional)	Concave Max. 15° Convex Max. 10°
Tile Weight/Tile	13.9kg
Max. Hanging	20 tiles
Max. Stacking	4 tiles
IP Rating(Front/Rear)	IP65
Max Power/Tile	500W
Lifetime	≥50000h
Operating Temp/Humidity	-20°C to 45°C, 10~90%RH
Storage Temp/Humidity	-40°C to 60°C, 10~90%RH

■ Dimensions