ROE
CREATIVE DISPLAY

Carbon5

COLOUR SOUND EXPERIMENT ltd

■ 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 along side 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 stock half-panels at 600mmx600mm for the ability to customise 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.
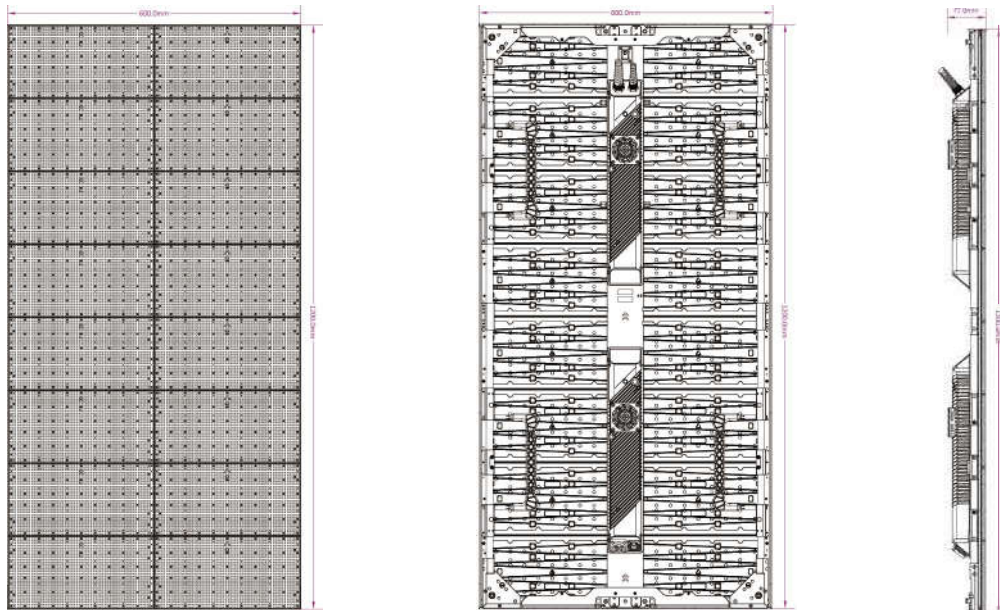
■ Introduction ■

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.

■ Specifications ■

Specification CB5	
Pixel Pitch	5.77mm
Pixel / Tile	104x208
Pixel Density	30044/sqm
LED Configuration	Black SMD 3-in-1
Viewing Angle(Hor/Vert)	140°/110°
Max. Brightness	6000 nits (White face)
Transparency	Solid
Refresh Rate	3840Hz
Gray Scale	16bit
Scan	1/4
Tile Dimension(WxHxD)	600mmx1200mmx77mm 23.6"x47.2"x3.0"
Frame Material	Carbon Fiber/Magnesium
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	650w / 325w
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 ■

T4 FRAME

■ Specifications ■

T4 Frame

Dimension of full frame (T4S)	1200 x 1200mm
Dimension of full frame (T4V)	600 x 1200mm
Dimension of full frame (T4H)	1200 x 600mm
Dimension of full frame (T4M)	600 x 600mm
Material	Aluminum
Maximum Hanging	24m
Maximum Stacking	4.8m
Weight with CB Panels	37kg/m2 (T4S)

Dolly

Dimension of Dolly)	1150 x 1277 x 1537 mm (with stackers)
Dolly capacity	12pcs full CB panels with frames

Note: The Specifications are for reference, actual values may vary.

■ Dimensions ■