

## Carbon 8



### ■ 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 Specification    | CB 8                                  |
|-------------------------|---------------------------------------|
| Pixel Pitch             | 8.33mm                                |
| Pixel / Tile            | 72×144                                |
| Pixel Density           | 14400/sqm                             |
| LED Configuration       | White SMD 3-in-1                      |
| Viewing Angle(Hor/Vert) | 140°/140°                             |
| Max. Brightness         | 4000 nits(NationStar 2727)            |
| Transparency            | Solid / 23%                           |
| Refresh Rate            | 3840Hz                                |
| Gray Scale              | 16bit                                 |
| Scan                    | 1/6                                   |
| Tile Dimension(W×H×D)   | 600mm×1200mm×70mm<br>23.6"×47.2"×2.8" |
| Frame Material          | Carbon Fiber/Magnesium Alloy          |
| Curve(optional)         | Concave Max. 15°<br>Convex Max. 10°   |
| Tile Weight/Tile        | 12.7kg/9.8kg                          |
| Max. Hanging            | 20 tiles                              |
| Max. Stacking           | 4 tiles                               |
| IP Rating(Front/Rear)   | IP65                                  |
| Max Power/Tile          | 320W                                  |
| 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

