



ROE CARBON SERIES 5mm LED TILE

OVERVIEW

Carbon panels are the first line incorporating the lightweight carbon fiber technology. They strike the perfect balance of stability and weight, while preserving the easy setup and maintenance of all ROE product to save on time and labor costs, perfect for indoor and outdoor applications.

With a pixel pitch of 5.769 MM and brightness level of 4,500-6000 NITS, this ultra lightweight panel is a quality solution to add to your next indoor or outdoor event.

HIGHLIGHTS

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 (wxh), 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.



HEADQUARTERS

30 Wright Ave.
Lititz, PA 17543

T: 717.740.2400

www.choice.live

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TECHNICAL SPECIFICATIONS

LEDs	Pixel Pitch	5.769mm
Cabinet	LED Panel Resolution	104x208 (pixels)
	LED Panel Resolution (1/2)	52x104 (pixels)
	Tile Dimensions	W: 600mm / 23.6in H: 1200mm / 47.2in D: 77mm / 3.0in
	Tile Dimensions (1/2)	W: 600mm / 11.8in H: 600mm / 23.6in D: 77mm / 3.0in
	Transparency Ratio	0%
	Brightness	6,000 nits
	Viewing Angle	Horizontal: 140° Vertical: 110°
	Processing Depth	16 bits
	Display Refresh Rate	3,840 Hz
Power Supply	Power Consumption (max.)	500 w
	Power Consumption (max) (1/2)	250 w
	Input Voltage	AC 86-240V 50Hz/60 Hz
Mechanical Design	LED Panel Weight	31 lbs.
	LED Panel Weight (1/2)	15.5 lbs.
	Weight w/ Air Frame	59.5 lbs.
	Weight w/ Air Frame (1/2)	29.8 lbs.
	Material	Carbon Fiber + Magnesium Alloy
	Ingress Protection	IP65
	Serviceability	Rear Access
Misc.	Certifications	CE, ETL, RoHS

