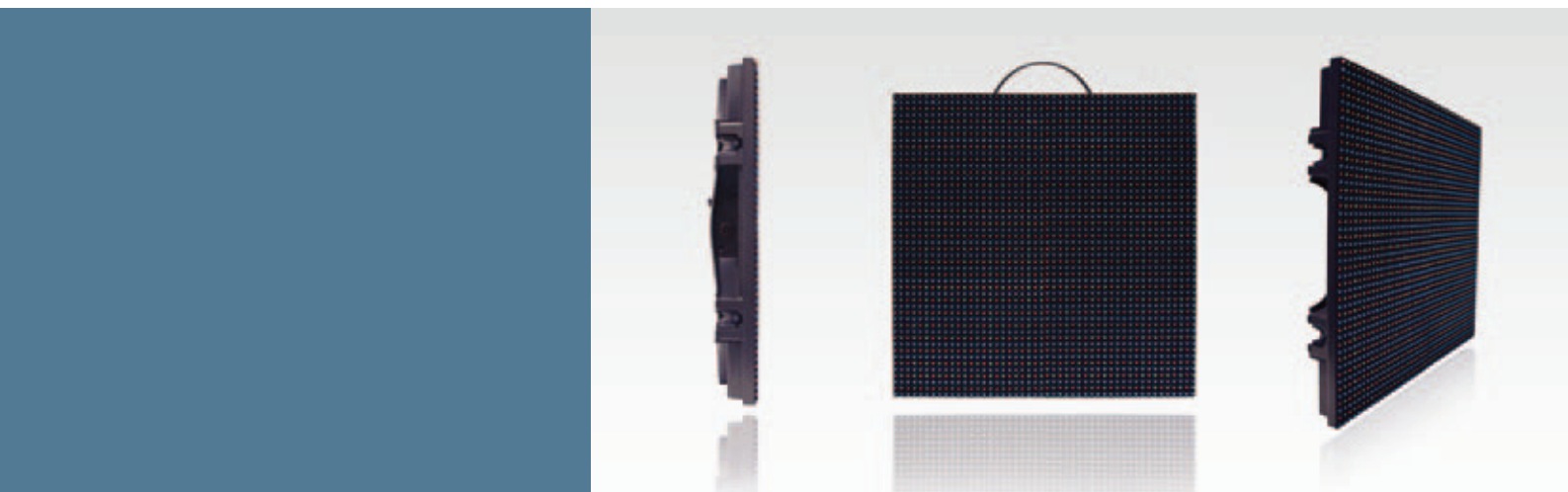


C8v

Lightweight, indoor/outdoor LED video display



Key benefits

- Lightweight
- Ultra-thin
- No fans
- Low power consumption
- 8,000 nits light output
- Extended RGBC color gamut
- IP66 for permanent outdoor use
- Integral rigging
- No tools required for assembly
- Curved implementations
- Low total cost of ownership

Barco's C8v (virtual 8 mm) LED video display is an indoor/outdoor solution for both rental and permanent installations.

C8v is the culmination of an extensive research and development program, resulting in next-generation display technology that renders existing alternatives obsolete. C8v is the industry's first truly environmentally friendly display, with a fraction of the power consumption and heat generation of other LED displays. It also features a true 100,000 hour lifetime along with RoHS.

Fortunately, being green doesn't mean sacrificing performance. With an 8,000 nits output (calibrated), C8v stands out in challenging environments. Superior color reproduction and virtual pixelization is achieved through sophisticated color control algorithms and the world's first four-color pixel. All this technology comes in an ultra thin, lightweight, fan-less, IP66 enclosure requiring no tools for deployment and removal.

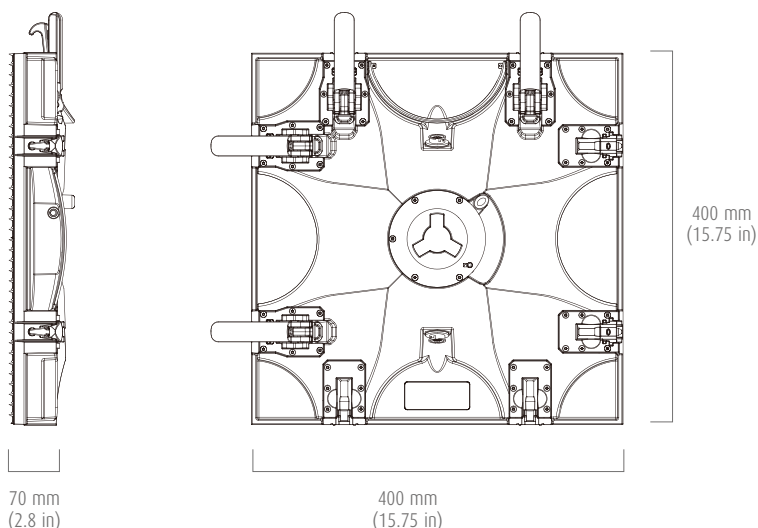
C8v is driven by the Vizomo™ digitizer, an advanced LED screen controller that combines five different products—a screen controller, pixel mapper, scaler, color corrector, and HD content delivery system—into one seamless, state-of-the-art solution with broadcast-quality playback.

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Technical specifications

Dimensions (W x H x D)	400 x 400 x 70 mm		
Virtual resolution	8.3 mm		
Physical resolution	16.7 mm, 24 x 24 pixels per panel, 3,600 pixels/m ²		
Brightness	8,000 nits (cd/m ²)		
Weight	40 kg/m ² , 6.4 kg/panel		
Max power consumption	Full white @ 8,000 cd/m ²	53 watts/panel	331 watts/m ²
	Full white @ 5,000 cd/m ²	36 watts/panel	225 watts/m ²
	Full white @ 2,000 cd/m ²	21 watts/panel	131 watts/m ²
Average power consumption	At max brightness	13.75 watts/panel	85.9 watts/m ²
Viewing angle	120° horizontal x 50° vertical (50% brightness)		
Pixel configuration	Red, green, blue, cyan PTH		
LED density	14,440 LEDs/m ²		
Color depth	16 bit/color		
Refresh rate	600 – 3,000 Hz		
Weather rating	IP66 (front and back)		
Ruggedization	Mil-STD-810F for low/high temp, salt, fog, humidity, vibration and shock		
Temperature range	-20° C to 45° C (operating)		
Compliance	ETL, FCC, CE, RoHS (pending)		
Lifetime	> 100,000 hours at full white to 50% brightness		
Max rigging load	25 panels (10 m) high with integral rigging hardware		
	Displays >10 m tall require auxiliary support system		
Connections	Integrated power + data connector		
Mains input	200 – 240 VAC 50/60 Hz		
Video Input (Vizomo)	DVI 50/60 Hz		
Color Processing (Vizomo)	32 bit floating point		
Total Colors (Vizomo)	18 quintillion (18 x 10 ¹⁸)		



M00359-R01-0810-DS

While the information and data given are typical for the equipment described, product specifications are subject to change without notice. The latest version of this product sheet can be found at www.barco.com.

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