C7

7mm pixel pitch, 2,000 nits, surface-mounted LED tile

LOW NOISE

EASY INSTALL

WIDE VIEW

TRUE BLACK

7mm PIXEL PITCH
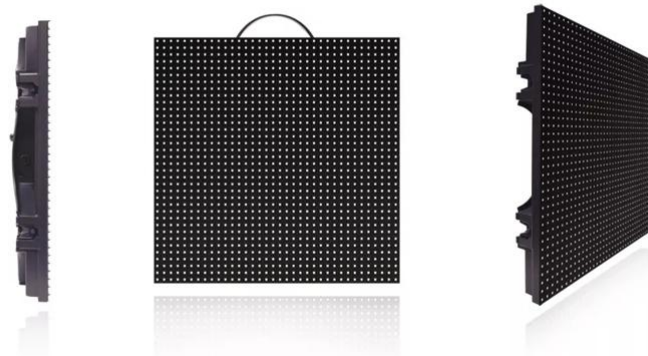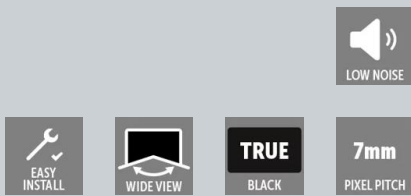
The Barco C-series LED displays are environmentally friendly displays, with less power consumption and heat generation of other LED displays. The C7 LED display is an indoor solution for both rental and permanent installations. It also features a true 100,000-hour lifetime along with RoHS compliance.

Ultimate performance

Fortunately, being green doesn't mean sacrificing performance. With its 2,000 nits high contrast calibrated output, C7 stands out in the most demanding environments. Superior color reproduction is achieved through sophisticated calibration and control algorithms. All this technology comes in an ultra-thin, fanless enclosure requiring no tools for deployment and servicing.

Flexible image processing

C7 is driven by a DX video processor to offer flexible image processing. You can zoom, crop, and create multi-windows without any additional equipment.

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Product specifications	C7
General specifications	
Pixel pitch	7.69 mm
Brightness	2,000 nits
LED configuration	SMD RGB Black
Pixel density	2,704 LEDs/tile (52x52)
Hor. viewing angle	+/-60° (min 50% brightness)
Vert. viewing angle	+/-60° (min 50% brightness)
Contrast ratio	3500:1 @ 200 lux
Lifetime	100,000 hours (@50% brightness)
Power consumption	660W/m² (max) 220W/m² (typical video)
Weight / Tile	6.4 kg
Weight/m²	40kg
Dimensions (HxWxD)	400 x 400 x 63 mm
Processing	DX-series (NNI-based)
Colors	281 trillion
Refresh rate	3,200 Hz
Temperature range	0°C / +40°C (operational) -20°C / +60°C (storage)
Humidity	35% / 85% (operational) 10% / 90% (storage)
Truss build-up	Max. 12 tiles high
Foot build-up	Max. 25 tiles high
Source compatibility	CVBS, YC, YUV, RGB, DVI (Single & Dual link, up to 2048x1536), SDI, HDSDI, Dual link HDSDI
Power connection	Max. 20 tiles / 16A circuit
Data connection	Up to 150 tiles per NNI output
Tile/tile Z-alignment	+/-0.5 mm
Curve capability	0° (standard) Radius +4m / +8m / -10m / -22m (optional)
Alternative curves	Custom dowels required
Certifications	ETL, CE, FCC, CCC (pending), TUV (pending), RoHS

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