C8

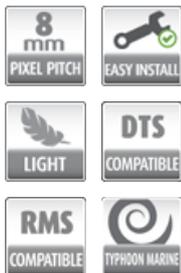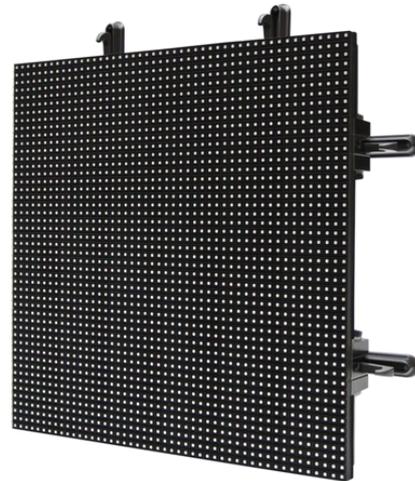## 8.33mm pixel pitch, 5,000 nits outdoor LED display

The C8 outdoor LED display is a member of Barco's renowned C-series family and shares its mechanics such as truss beams, feet and stacking frames with the other C-series LED displays. The electronic backbone of the C8 is identical to that of the renowned C5 display, powered by the DX image processors and controlled by the Director Toolset software.

Perfectly suited for cross-rental applications
As the C8 is based on high-quality LEDs with narrow binning, and as the calibration is done on the Barco proprietary calibration carrousels, it is perfectly suited for cross-rental applications. This not only guarantees consistent brightness, it also offers rental companies the flexibility to combine LED tiles from different batches.

Ultimate image quality
This versatile LED display offers high-quality scaling, an unlimited pixel count (through stacking of multiple processors), auto redundancy and 16-bit processing per color. Another significant feature is its hermetically sealed and fanless design which guarantees crisp images at all times.

Simple control
The C8 LED display can easily be controlled by the remote management software. What's more, thanks to the optional light sensors and intelligent management services, the brightness of the LED display is adjusted automatically.

Typhoon tested
The C8 is designed for outdoor use and meets Barco's typhoon 24/7 test standards. In the 'typhoon test' not only the effect of water and dust (the basis for IP rating) is tested but also the impact of UV rays, varying temperatures and vibrations is taken into account. The 'typhoon tested' quality label guarantees a reliable product that can withstand the most severe weather conditions.

Slim design
Thanks to its slim design, the C8 can also easily be integrated in the most challenging situations. What's more, the display comes with clickable shaders that can simply be replaced in case of damage.

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Technical specifications

Pixel pitch	8.33 mm
Brightness	5,000 nits
LED type	3-in-1 SMD
Processing	16 bit/color
Colors	281 trillion
Refresh rate	3,200 Hz
Hor. viewing angle	+60°/-60° @50% brightness
Vert. viewing angle	+50°/-60° @50% brightness
Contrast ratio	2,000:1
Shaders	Clickable (replaceable without tools)
Lifetime	100,000 hours @ 50% brightness
Avg Power Consumption	220 W/m² (max 660 W/m²)
Operation power voltage	200-240 V / 50-60 Hz
Tile size (WxHxD) in mm	400 x 400 x 68 mm
Weight	7 kg/tile 44 kg/m²
Pixel density	14,400/sqm 1,338/sqf 2,304/tile
Curve capability	Through replaceable dowels (standard dowels: radius +4m / +8m / -7.5m / -10m / -22m)
Typhoon rating	Typhoon 24/7
IP rating	IP65
Max. stacking	12 tiles (with Barco foot mechanics)
Max. hanging	25 tiles
Source compatibility (with digitizer)	CVBS, YC, YUV, RGB, DVI (single and dual link, up to 2048 x 1536), SDI, HDSDI, Dual link HDSDI
3D capability	Yes (L/R separate, side by side, 120 Hz)
Interfaces/Ports	x2 HDMI link
Link interface	NNI interface (HDMI connector)
Max link length	5 m (via Barco HDMI cable) 300 m (via Barco fiber solution)
Max power cascade connection	20 tiles
Temperature range	-20°C / +45°C (operational) -20°C / +60°C (storage)
Humidity	10% / 99% (operational) 10% / 99% (storage)
Certifications	ETL/UL, CE, FCC class B, RoHS, TUV

Generated on: 15 May 2013
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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