

OL-510

50" WXGA DLP LED-lit projection module



Barco's 50" OL-510 LED-lit projection module offers an ergonomically excellent viewing experience, with the sharpest and most saturated colors in WXGA, HD ready resolution (1368x768).

The OL-510 video wall have been designed for an entirely maintenance-free operation over several years, without any need for consumables. Barco's new OL-510 video wall come with Sense6, a unique sensor technology that provides brightness and color stability over time and across the entire display. Sense6 continuously measures brightness and color and adjusts the color space to provide an image that is most convenient for the human eye. This means that no maintenance or manual adjustments are needed.

Thanks to the small depth of the projection modules, the OL-510 video wall are ideally suited for installation in confined spaces. The OL rugged design makes the video walls ideally suited for industrial environments.

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Technical specifications

Resolution	HD ready (1368x768px)
Brightness	on-screen: 330 Cd/m ² (typ.)
On-screen contrast	560,000:1
Display technology	Rear projection DLP
Color	Up to 165% EBU (at maximum color mode)
White point	Adjustable 2,300K to 15,000K
Brightness uniformity	95% ANSI 9
Screen	FXS, with H/V 34°/33° (+/- 3°) half gain angle
Screen gap	Hor: 0.8 mm 0.03", Vert. 0.5 mm 0.02" (@ 25°C)
Color stability	Self calibration with spectrometer based Sense6
Dimensions	<ul style="list-style-type: none"> • Diagonal: 50" • Width: 1,088 mm 42.83" • Height: 612 mm 24.09" • Depth: 445 mm 17,51" • Weight Projection Module: < 44 kg 97 lbs • Weight Pedestal: < 28 kg 62 lbs
Light source	6x redundancy for each of 3 LEDs
Light source lifetime	> 60,000h (at 6500k) > 80,000h in eco mode MTBF LED > 500,000 h
Recommended maintenance interval	> 5 years Lifetime warranty against burn-in or image retention
Conditions for operation	10°C-40°C, 50°F-104°F, 80% humidity (nc)
AC input voltage	90 – 240 V, 50-60Hz
Power	230W (typ.) 350W (max)
Heat dissipation	785 BTU/h (typ.) 1,194 BTU/h (max)
Direct ethernet access	Built in web server
Graphical user interface	All settings and operational parameters
Signal input/output	2x Dual link DVI in / 2x Dual link DVI out
Pixel clock	330 MHz
Input frequency	24 – 62 Hz
Genlock	49 – 61 Hz
Signal processing	Loop through Free cropping, free scaling
Warranty	2 years
Integration to third party equipment	WEB service API