

OL-521

50" full HD DLP LED-lit projection module



reddot design award
winner 2011



Barco's 50" OL-521 LED-lit projection module has been awarded with the red dot quality label for its outstanding design, offering an ergonomically excellent viewing experience, with the sharpest and most saturated colors in full HD resolution (1920x1080).

The OL-521 video wall has been designed for an entirely maintenance-free operation over several years, without any need for consumables. The OL-521 comes 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 module and front accessibility, the OL-521 display cube can easily be installed in confined spaces. The OL-521's rugged design makes the video wall ideally suited for industrial environments.

BARCO

Visibly yours

Technical specifications

Resolution	Full HD (1920 x 1080px)
Brightness	on-screen: 490 Cd/m ²
On-screen contrast	560,000:1
Display technology	Rear projection DLP
Color	Up to 165% EBU (at maximum color mode)
White point	2,300K 6,500K 9,300K arbitrary
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 42.8" • Height: 612 mm 24.1" • Depth: 454 mm 17.9" • Weight: Projection Module: < 44 kg 97 lbs • Weight: Pedestal: < 28 kg 62 lbs
Light source	6x redundancy for each of 3 LED's
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	170W (eco) 230W (typ.) 350W (max)
Heat dissipation	580 BTU/h (eco) 785 BTU/h (typ.) 1,194 BTU/h (max)
Signal	2x Dual link DVI in / 2x Dual link DVI out
Pixel clock	330 MHz
Input frequency	24 – 62 Hz
Genlock	49 – 61 Hz
Minimum frame delay	1 frame
Signal processing	Loop through Free cropping, free scaling (optional)
Direct ethernet access	Built in web server
Graphical user interface	All settings and operational parameters
Warranty	2 years
Integration to third party equipment	WEB service API (optional)