

# OLF-521

50" HD DLP LED-lit projection module with front access



Barco's 50" OLF-521 LED-lit projection module offers an ergonomically excellent viewing experience, with the sharpest and most saturated colors in full HD resolution (1920x1080).

The OLF-521 video wall has been designed for an entirely maintenance-free operation over several years, without any need for consumables. The OLF-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.

The OLF-521 video wall can be serviced from the front. Thanks to the small depth of the projection module, the OLF-521 video wall can also easily be installed in confined spaces. The OLF-521's rugged design makes the video wall ideally suited for industrial environments.

**BARCO**

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# Technical specifications

<b>Resolution</b>	Full HD (1920 x 1080px)
<b>Brightness</b>	on-screen: 490 Cd/m <sup>2</sup>
<b>On-screen contrast</b>	560,000:1
<b>Display technology</b>	Rear projection DLP
<b>Color</b>	Up to 165% EBU (at maximum color mode)
<b>White point</b>	2,300K   6,500K   9,300K   arbitrary
<b>Brightness uniformity</b>	95% ANSI 9
<b>Screen</b>	FXS, with H/V 34°/33° ( +/- 3°) half gain angle
<b>Screen gap</b>	Hor: 1.8 mm   0.07", Vert. 1.5 mm   0.06" (@ 25°C)
<b>Color stability</b>	Self calibration with spectrometer based Sense6
<b>Dimensions</b>	Width: 1,088 mm   42.8" Height: 612 mm   24.1" Depth: 454 mm   17.9" Weight: Projection Module: < 53 kg   117 lbs
<b>Light source</b>	6x redundancy for each of 3 LED's
<b>Light source lifetime</b>	> 60,000h (at 6500k) > 80,000h in eco mode MTBF LED > 500,000 h
<b>Recommended maintenance interval</b>	> 5 years Lifetime warranty against burn-in or image retention
<b>Conditions for operation</b>	10°C-40°C, 50°F-104°F, 80% humidity (nc)
<b>AC input voltage</b>	90 – 240 V, 50-60Hz
<b>Power</b>	170W (eco) 230W (typ.) 350W (max)
<b>Heat dissipation</b>	580 BTU/h (eco) 785 BTU/h (typ.) 1,194 BTU/h (max)
<b>Signal</b>	2x Dual link DVI in / 2x Dual link DVI out
<b>Pixel clock</b>	330 MHz
<b>Input frequency</b>	24 – 62 Hz
<b>Genlock</b>	49 – 61 Hz
<b>Minimum frame delay</b>	1 frame
<b>Signal processing</b>	Loop through Free cropping, free scaling (optional)
<b>Direct ethernet access</b>	Built in web server
<b>Graphical user interface</b>	All settings and operational parameters
<b>Warranty</b>	2 years
<b>Integration to third party equipment</b>	WEB service API (optional)