

# OL(F)-521 and OL(F)-721

## DLP™ LED-lit projection module



With the full HD LED-lit OL and OLF systems, Barco introduces the next generation of video wall technology. Based on many years of experience with LED displays, Barco has designed a seamless rear-projection video wall with a LED-based illumination unit, that is truly ready for 24/7 use. Barco's LED-based projection series consists of the rear-accessible OL and front-accessible OLF video walls. Both are available in 50-inch and 70-inch screen sizes. All of them offer an ergonomically excellent viewing experience, with the sharpest and most saturated colors in full HD resolution (1920x1080).

The OL and OLF video walls have been designed for an entirely maintenance-free operation over several years, without any need for consumables. Barco's new OL and OLF video walls come with Sense<sup>6</sup>, a unique sensor technology that provides brightness and color stability over time and across the entire display. Sense<sup>6</sup> 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 and OLF video walls are ideally suited for installation in confined spaces. Additionally, the OLF projection module can be serviced from the front. The OL and OLF's rugged design makes the video walls ideally suited for industrial environments.

### Excellent viewing ergonomics

- Wide LED color gamut
- Razor-sharp full HD resolution
- No color break up

### Maintenance-free

- 80,000 hours LED lifetime in eco mode
- More than 5 years service-free runtime
- solid state technology - no moving parts
- Front access version for easy servicing

### Green focus

- No wearing parts, no waste
- No mercury lamps

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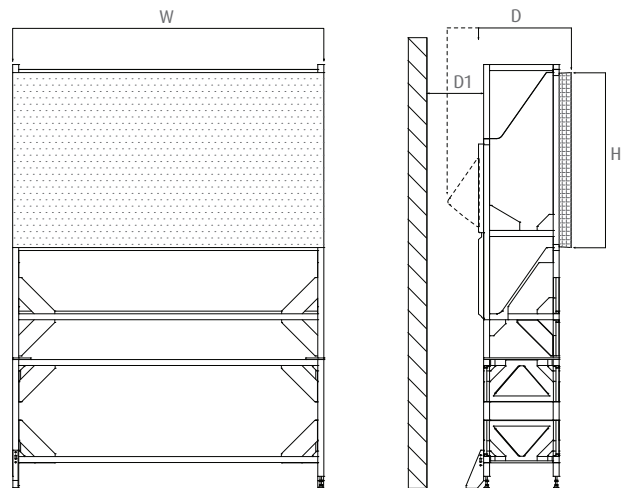
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# Technical specifications OL-521, OLF-521, OL-721 and OLF-721

Display capabilities	Resolution		
	Full HD, native 1920x1080		
	Brightness	OL(F)-521	OL(F)-721
	on screen	Typ. 330 Cd/m <sup>2</sup>	Typ. 170 Cd/m <sup>2</sup>
	Dynamic contrast		
	560,000:1		
	Color		
	Up to 165% EBU <sup>(1)</sup>		
	White Point		
	Adjustable 2,300K to 15,000K		
Screen	Uniformity		
	95% ANSI 9		
	Screen		
	FXS, with H/V 34°/33° (+/- 3°) half gain angle		
	Screen gap <sup>(2)</sup>	sides	top/bottom
	OL-521	0.8 mm   0.03"	0.5 mm   0.02"
	OLF-521	1.8 mm   0.07"	1.5 mm   0.06"
	OL-721	1.0 mm   0.04"	0.7 mm   0.03"
	OLF-721	2.0 mm   0.08"	1.7 mm   0.07"
	Color stability		
Self calibration with spectrometer based Sense <sup>6</sup>			
Dimensions (WxHxD)			
OL(F)-521: 1,088 x 612 x 445 mm   42.83 x 24.09 x 17.51"			
OL(F)-721: 1,550 x 872 x 625 mm   61.02 x 34.33 x 24.61"			
Distance cube/wall (D1)			
OL(F)-521: 150 mm   5.91"			
OL(F)-721: 215 mm   8.46"			
Weight			
OL-521	Projection Module	< 44 kg   97 lbs	
OLF-521	Projection Module	< 53 kg   117 lbs	
	Pedestal	< 28 kg   62 lbs	
OL-721	Projection Module	< 66 kg   146 lbs	
OLF-721	Projection Module	< 74 kg   163 lbs	
	Pedestal	< 39 kg   86 lbs	
LED	Light source		
	6x redundancy for each of 3 LED's		
	LED lifetime		
	> 60,000h <sup>(3)</sup> , > 80,000h in eco mode		
MTBF LED > 500,000 h			

Operation	Recommended maintenance interval	
	> 5 years	
Power	Lifetime warranty against burn-in or image retention	
	Conditions for Operation	
Signal	10°C-40°C, 50°F-104°F, up to 80% humidity (nc)	
	AC input voltage	
	90 – 240 V, 50-60 Hz	
	Power (typical, maximum, eco mode)	
	230 W, 350 W, 170 W	
	Heat dissipation (typical, maximum, eco mode)	
	785, 1,194, 580 BTU/h	
	Signal input/output	
	2x Dual link DVI in / 2x Dual link DVI out	
	Communications	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 <sup>(4)</sup>		
Direct ethernet access		
Built in web server		
Graphical user interface		
All settings and operational parameters		
Integration of third party equipment		
WEB service API <sup>(4)</sup>		
Warranty		
2 years		

(<sup>1</sup>) at maximum color mode, (<sup>2</sup>) at 25°C, (<sup>3</sup>) at 6500k, (<sup>4</sup>) optional



M00069-R11-0311-DS March 2011

Barco is an ISO 9001 registered company.  
The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.  
The latest version of this product sheet can be found on [www.barco.com](http://www.barco.com).

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