

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 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 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

- 55,000 hours LED Lifetime
- 5 years service-free runtime
- No color wheel needed
- Front access version for easy servicing

Green focus

- No wearing parts, no waste
- No mercury lamps

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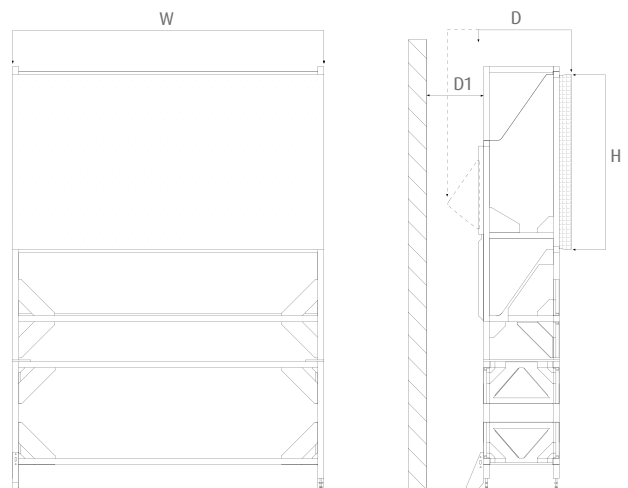
Visibly yours

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 ²	Typ. 170 Cd/m ²
	Dynamic contrast		
	560,000:1		
	Color		
	Up to 165% EBU ⁽¹⁾		
	White Point		
	3200k, 6500k and 9000k		
Screen	Uniformity		
	95% ANSI 9		
	Screen		
	FXS, with H/V 35°/33° (+/ - 2°) half gain angle		
	Screen gap ⁽²⁾	Hor.	Vert.
	OL-521	0.8 mm I 0.03"	0.5 mm I 0.02"
	OLF-521	1.8 mm I 0.07"	1.1 mm I 0.05"
	OL-721	1.0 mm I 0.04"	0.7 mm I 0.03"
	OLF-721	2.3 mm I 0.09"	1.6 mm I 0.07"
	Color stability		
	Self calibration with spectrometer based Sense ⁶		
	Dimensions (WxHxD)		
	OL(F)-521: 1,088 x 612 x 445 mm I 42.83 x 24.09 x 17.51"		
	OL(F)-721: 1,550 x 872 x 625 mm I 61.02 x 34.33 x 24.61"		
	Distance cube/wall (D1)		
	OL(F)-521: 150 mm I 5.91"		
	OL(F)-721: 205 mm I 8.07"		
	Weight		
	OL-521	Projection Module	< 44 kg I 97 lbs
LED	OLF-521	Projection Module	< 53 kg I 117 lbs
		Pedestal	< 28 kg I 61 lbs
	OL-721	Projection Module	< 63 kg I 139 lbs
	OLF-721	Projection Module	< 73 kg I 161 lbs
		Pedestal	< 39 kg I 85 lbs
	Light source		
	6x redundancy for each of 3 LED's		
	LED lifetime		
	> 55,000h ⁽³⁾ , > 75,000h in eco mode		

Operation	Recommended maintenance interval	
	> 5 years	
Power	No burn-in, no image retention	
	Conditions for Operation	
Signal	10°C-40°C, 50°F-104°F, 80% humidity (nc)	
	AC input voltage	
	90 - 240 V, 50-60Hz	
	Power	
	Typical 280W, max 350W	
	Heat dissipation (BTU/h)	
	Typ. 956 BTU/h, max 1,195 BTU/h	
	Signal input/output	
	2x Dual link DVI in / 2x Dual link DVI out	
	Pixel Clock	
Communications	330 MHz	
	Input Frequency	
	24 - 62 Hz	
	Genlock	
	49 - 61 Hz	
	Minimum frame delay	
	1 frame	
	Signal processing	
	Loop through	
	Free cropping, free scaling ⁽⁴⁾	
Communications	Direct ethernet access	
	Built in web server	
	Graphical user interface	
	All settings and operational parameters	
	Integration of third party equipment	
	WEB service API ⁽⁴⁾	
	Warranty	
	2 years	

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



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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. The product is subject to warranty of 2 years. Warranty for image retention is subject to certain conditions of use.

Barco nv
Pres. Kennedypark 35, B-8500 Kortrijk
Europe, Middle-East, Africa: +32 56 26 20 09
USA: +1 678 475 8000
Latin America: +55 11 38421656
Japan: +81 3 5762 8727
China: +86 400 88 22726
Or mail to sales.security_and_monitoring@barco.com

