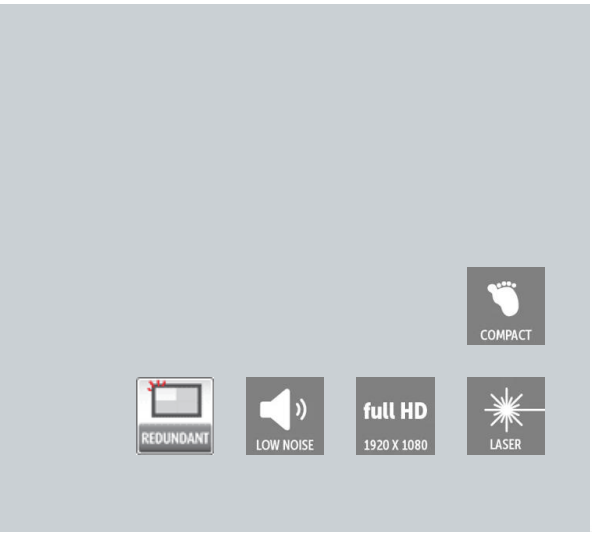
RGB Laser ODLF-721

Laser-lit rear-projection video walls for 24/7 control rooms with front access



- **2x more brightness than mainstream LED-lit rear-projection video walls**
- **25% less power consumption at higher brightness levels**
- **Front access eliminates need for rear maintenance area**
- **More than 11 years of uninterrupted operation in 24/7 mode**
- **Unmatched colors, focus, and contrast levels**
- **Silent like never before ('library' noise level)**
- **Redundancy of critical components for ultimate peace of mind**

Powered with the latest RGB laser technology, Barco's RGB laser rear-projection video walls delivers unseen brightness levels and vibrant colors, while offering a very low total cost of ownership (TCO). With its 10th generation of rear-projection video walls, Barco again raises the bar for critical infrastructure markets visualization.

Providing 2x more brightness than mainstream LED-lit rear-projection video walls, the RGB laser series take away all brightness issues of earlier video walls. Because the high luminance allows operating under daylight conditions, control rooms can finally light up - which improves operator working conditions! Adding vibrant colors to this mix, that make all nuances clearly distinguishable, you make sure nothing is wrongly interpreted and situational awareness is enhanced. Front access eliminates the need for a rear maintenance area, for control rooms where space is a critical issue.

Over 11 years of uninterrupted 24/7 operations

With the RGB laser for 24/7 control rooms series, Barco takes another giant leap forward in terms of reliability. With a light source lifetime of at least 125,000 hours in both normal and eco-mode, and redundancy of all critical components (including power supply, inputs, and laser drivers), nothing is left to chance when it comes to uptime. Unlike technology used by competitors and in non-24/7 meeting rooms, Barco's RGB laser display series doesn't need a rotating color wheel to operate. Since each color can be uniquely controlled

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Automatic calibration and alignment

The engine of Barco's RGB laser for 24/7 control rooms is fully motorized. Installers and maintenance staff will never need to open up the individual modules to perfectly align the individual cubes of the video wall. Using a web interface, the video wall can be remotely aligned by a single technician - including keystone correction. This is far more efficient, more reliable, and less time consuming, saving up to 50% of alignment and adjustments efforts. Combined with the Sense X automatic calibration system, continuously measuring and adjusting brightness and color levels over the complete video wall, users are sure the complete canvas is perfectly balanced at any time.

Product specifications	RGB LASER ODLF-721
General specifications	
Dimensions	• Diagonal: 70" (Approx.) • Width: 1,550 mm | 61.02" • Height: 872 mm | 34.33" • Depth: 642 mm | 25.28" • Weight: Projection Module: < 63 kg | 139 lbs • Weight: Support frame: < 39 kg | 86 lbs
Resolution	Full HD (1920 x 1080 pixels)
On-screen contrast	1800:1
Color	Up to 170% REC709 color triangle

Screen

Screen type	WV-FEL	CSI	Light source lifetime (hrs)	Power usage (W)
Boost	940 cd/m^2	650 cd/m^2	60,000	260
Normal	730 cd/m^2	500 cd/m^2	125,000	200
Eco	365 cd/m^2	250 cd/m^2	125,000	120
Mid gain type, 180° viewing angle	-	-	-	-

Display technology	Rear projection DLP
Screen gap	Dependant on screen type
White point	Customized white points
Brightness uniformity	Typ. >95% ANSI 9 Typ. >90% ANSI 13
Color stability	Sense X automatic calibration
Redundancy	Redundant laser banks with redundant power supply drivers, input signal & external power supply
Light source	RGB laser (Lasers Class 1 RG2)
AC input voltage	100 – 240 VAC, 50-60Hz
Light source lifetime	> 125,000 hrs in both Normal and Eco mode
Noise Level	Less than 20 dB (measured from 3 meters in front)
Power	120W (eco) 200W (normal) 260W (boost)
Connectivity	2x DP1.2 inputs & 1x output (4K@60Hz) 2x HDMI™ 2.0 inputs (4K@60Hz) 2x USB ports (only for power) 2x Ethernet ports
Conditions for operation	10°C-40°C | 50°F-104°F Up to 80% humidity (non-condensing)
Heat dissipation	390 BTU/h (eco) 680 BTU/h (typ) 860 BTU/h (max)
Signal processing	Loop through Cropping and scaling with wall configuration
Integration to third party equipment	WEB service API
Direct ethernet access	Built in web server
Graphical user interface	All settings and operational parameters
Warranty	2 years
Notes	(1) In general, rear projection video walls have no bezels, only a mechanical gap which depends on video wall configuration and operating temperatures

Last updated: 21 May 2026