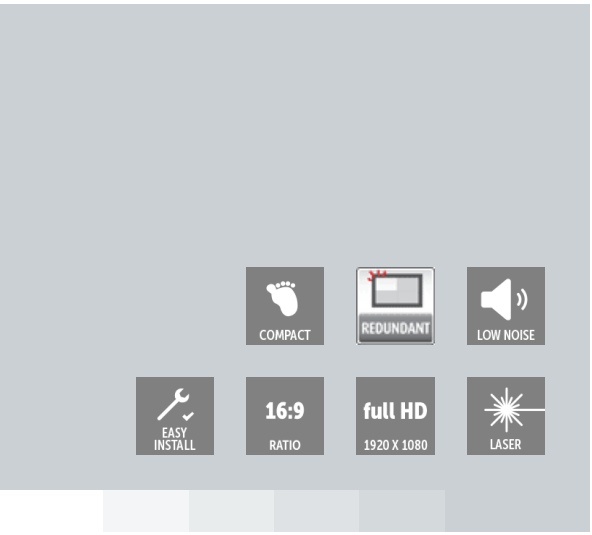
RGB Laser ODLF-721

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 lifetime of at least 100,000 hours in eco-mode, operators enjoy a staggering 11.5 years of uninterrupted 24/7 operations. Redundancy of all critical components (including power supply, inputs, and drivers) make sure 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 and is not dependent on

the segment of a color wheel, it provides color control like never before and eliminates color breakup.

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
Resolution	Full HD (1920 x 1080 pixels)
Screen	Under native color gamut

Screen type	WV-FEL	CSI	Light source lifetime (hrs)	Power usage (W)
Boost	940 cd/m²	650 cd/m²	60,000	260
Normal	730 cd/m²	500 cd/m²	80,000	200
Eco	365 cd/m²	250 cd/m²	100,000	120
Horizontal half gain viewing angle	38°	36°	-	-
Vertical half gain viewing angle	21°	34°	-	-

On-screen contrast	1800:1
Color	Up to 170% REC709 color triangle
Display technology	Rear projection DLP
White point	Customized white points
Brightness uniformity	Typ. >95% ANSI 9 Typ. >90% ANSI 13
Screen gap	Dependant on screen type
Color stability	Sense X automatic calibration
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
Light source	RGB laser (Laser Class 2)
Redundancy	Redundant laser banks with redundant power supply drivers, input signal & external power supply
Light source lifetime	> 100,000hrs in eco mode > 80,000hrs in normal mode > 60,000hrs in boost mode
Noise Level	Less than 20 dB (measured from 3 meters in front)
Conditions for operation	10°C-40°C | 50°F-104°F Up to 80% humidity (non-condensing)
AC input voltage	100 – 240 VAC, 50-60Hz
Power	120W (eco) 200W (normal) 260W (boost)
Heat dissipation	390 BTU/h (eco) 680 BTU/h (typ) 860 BTU/h (max)
Signal	Option 1: Redundant Dual link DVI (HDCP compliant) Option 2: Redundant DP1.2 and HDMI 1.4 (HDCP compliant)
Pixel clock	330 MHz
Input frequency	24 – 62 Hz
Genlock	49 – 61 Hz
Minimum frame delay	1 frame in minimum frame delay < 2-3 frames in all other cases at full frame rate
Signal processing	Loop through Cropping and scaling with wall configuration
Direct ethernet access	Built in web server
Graphical user interface	All settings and operational parameters
Integration to third party equipment	WEB service API
Warranty	2 years

Last updated: 26 Nov 2019

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.