

RGB Laser ODL-715

70" laser-lit rear-projection video walls for 24/7 control rooms



- **50% more brightness than mainstream LED-lit rear-projection video walls**
- **25% less power consumption at higher brightness levels**
- **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**
- **50% setup-time reduction (motorized 7-axis alignment)**

Powered with the latest laser technology, Barco's RGB laser rear-projection video walls deliver 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 visualization.

Higher brightness, for use in any environment

Providing 50% more brightness than mainstream 70" LED-lit rear-projection video walls, the RGB Laser series removes all brightness issues of earlier video walls. The high luminance allows operation under daylight conditions, so control rooms can finally light up - which improves operator working conditions! Adding vibrant colors to this mix (making all nuances clearly distinguishable), ensures that nothing is wrongly interpreted, and situational awareness is enriched.

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 others and for non-24/7 environments, 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. Combined with the Sense X automatic calibration system, which continuously measures and adjusts brightness and color levels over the complete video wall, users are sure the complete canvas is perfectly balanced at any time.

TECHNISCHE SPECIFICATIES**RGB LASER ODL-715**

Resolutie	SXGA+ (1400x1050)			
Scherm	<Under	Native	color	gamut
	Screen type	FXS Stitched	Light source lifetime (hrs)*	Power usage (W)
	Boost	660 cd/m ²	60,000	260
	Normal	510 cd/m ²	125,000	200
	Eco	255 cd/m ²	125,000	120
	Horizontal half gain viewing angle	34°	-	-
Vertical half gain viewing angle	33°	-	-	
Contrast op scherm	1800:1			
Kleur	Up to 170% REC709 color triangle			
Weergavetechnologie	Rear projection DLP (Rear Access only)			
Wit punt	Customized white points			
Helderheidsuniformiteit	Typ. >95% ANSI 9 Typ. >90% ANSI 13			
Ruimte tussen schermen	< 0.2 mm 0.008" stitched			
Kleurstabiliteit	Sense X automatic calibration			
Afmetingen	<ul style="list-style-type: none"> ■ Diagonal: 70" nominal ■ Width: 1,400 mm / 55.1" ■ Height: 1,050 mm / 41.3" ■ Depth: 983 mm / 38.7" 			
Lichtbron	RGB lasers illumination			
Redundantie	Redundant laser banks with redundant power supply drivers, input signal & external power supply			
Levensduur lichtbron	> 125,000 hrs in both Normal and Eco mode*			
Geluidsniveau	Less than 20 dB (measured from 3 meters in front)			
Gebruiksomstandigheden	10°C-40°C 50°F-104°F Up to 80% humidity (non-condensing)			
Ingangsspanning (wisselstroom)	100 – 240 VAC, 50-60Hz			
Vermogen	120W (eco) 200W (normal)			
Warmtedissipatie	390 BTU/h (eco) 680 BTU/h (typ.) 860 BTU/h (max)			
Connectiviteit	Redundant Dual link DVI (HDCP compliant)			
Signaalverwerking	Loop through Cropping, scaling with wall configuration			
Directe Ethernet-toegang	Built in web server			
Grafische gebruikersinterface	All settings and operational parameters			
Integratie met apparatuur van derden	WEB service API			
Gewicht	Support frame: 11m 42kg Projection Module (no screen) 65kg			
Garantie	2 years			
Opmerkingen	* for ODL Gen2 engine			

Last updated: 19 Nov 2021

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