

# XDL-4K75

75,000 lumens, 4K, 3-chip DLP RGB laser large venue projector



- **Stunning experiences thanks to high-brightness 4K images in REC 2020 colors**
- **Low total cost of ownership thanks to laser light source and brightness levels**
- **Reduced installation time through zero alignment**

75,000 lumens – from just one projector. Imagine what you can do with that. We're talking bright, real bright. With REC. 2020 colors that are just extraordinary. For bigger screens, more pixels, more impact. Plus incredible RGB laser performance, signal flexibility up to a comfortable 120 Hz, and no alignment.

## **Images that speak**

Offer visitors crisper, more realistic contrast for greater impact with images of breathtaking depth thanks to their native 4K resolution up to 120Hz. And when you need it, use brightness up to a massive 75K lumens – the brightest on the planet.

## **Cost-saving design**

Want to drive down your cost-per-lumen? A single XDL is the answer. Their RGB laser light source slash image flicker and lamp-related costs and maintenance (such as lamp replacements). Compared to xenon projectors, the XDLs also consume 40% less power - and you can re-use your existing Barco XLD+ lenses. Truly reliable, expect a lifetime of up to 20,000 hours with minimum downtime.

## **Easy to set up and use**

Installing one projector is always easier than having to install several. It means less equipment to transport and set up – and fewer possible points of failure. XDL speeds up installation by reducing alignment time. The projectors provide an exceptional lens shift of up to 100% so you can install them anywhere you like. You can also easily match images to your projection surface using on-board real-time warping and blending.

## PRODUCT SPECIFICATIONS

## XDL-4K75

Projector type	Native 4K 3-chip DLP digital projector up to 120 Hz
Technology	1.38" DMD™ x3
Resolution	4,096 x 2,160
Brightness	Up to 70,000 center lumens using HC lenses / Up to 75,000 center lumens using HB lenses 72,600 ANSI lumen 81,600 ISO lumen
Native contrast ratio	2,800:1 (typical using HC lenses) / 500:1 ANSI contrast (typical)   2,000:1 (typical using HB lenses) / 450:1 ANSI contrast (typical)
Prime lenses	HC: 1.13-1.72; 1.35-1.86; 1.46-2.10; 1.65-2.60; 2.00-3.35 / HB: XLD 0.8; 1.0; 1.45-1.8; 1.8-2.4; 2.2-3.0; 2.8-5.5; 5.5-8.5
Optical lens shift	Vertical up to +/-100%, depending on lens Horizontal up to +/-32%, depending on lens Motorized zoom and focus with memory Motorized lens shift with memory
Light source	Direct coupled RGB lasers 3P
Light source lifetime	15,000 hrs* 20,000 hrs**
Color correction	P7
Optical dowsers	Standard
Orientation	Tilt 45° up and 30° downwards   Rotation – 20 degrees / +90 degrees (=Portrait)
Sealed DLP™ core	standard
Inputs	Slot 1 :Dual HDBt; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad 3G/12G SDI / BarcoLink
Input resolutions	From NTSC up to 4K (4,096 x 2,160) 120 Hz refresh rates. 24hz to 120hz 4K/4KUHD (4096 x 2160/ 3860 x 2160)
Picture-by-picture	Two sources simultaneously
CLO (constant light output)	Standard
ScenergiX	Horizontal and vertical edge blending, Direct adjust OSD + toolset
Image processing	Embedded warp & blend engine
Keystone correction	Yes
Integrated web server	Yes
Software tools	Projector Toolset
Control	XLR wired + IR, RS232, Wifi (opt), GSM (opt)
Network connection	10/100 base-T, RJ-45 connection, Wifi (optional)
Dimensions (WxLxH)	Projector: 744 x 1,445 x 706 mm / 29.3 x 56.9 x 27.8 inches (with feet, no lens) Two chillers, each with the following dimensions: 701 x 701 x 800 mm / 27.6 x 27.6 x 31.5 inches
Weight	Projector: 235kg (~520lb) / Chillers: ~115kg (~250lb) per chiller (two chillers needed)
Cooling liquid hose length	2.5-5-10m (8.2-16.4-32.8ft)
Power requirements	Projector: 200-240/346-415V 50-60Hz 16A 3W+N+PE (Y connection) / Power cord size range: 4 sq mm to 6 sq mm, 10AWG to 8AWG / Circuit breaker range: 25A to 40A   200-240V 3W+PE 28A 50-60Hz (Δ-connection) / Power cord size: 6 sq mm, 8AWG / Circuit breaker: 40A Chillers: 230/400V 3W+N+PE 16A, 2.5 sq mm (Y connection) or 208V / 3W+PE (Δ-connection) / Max. 16A per phase
Ambient temperature	10-35°C (95°F) Max. (projector and chillers)
Operational humidity	5-80% (non condens)
Power consumption	Projector @ full laser power: 6.7 kW Chillers @ full laser power: 3.0 kW
3D systems	Active glasses systems / Polarization recuperation systems
Safety class	Class 1, RG3
Certifications	CE; ETL/UL/FCC
*Note	*Less than 20% decrease during a runtime of 15,000 hrs **Less than 20% decrease during a runtime of 20,000 hrs when: -ambient temperature < 30°C (86°F) max (projector and chiller) -operational humidity < 75% (non condens)

Last updated: 18 Dec 2019

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.