

# XDL-4K30

30,000 lumens, 4K, 3-chip DLP RGB laser large venue projector



- **Stunning experiences thanks to bright 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**

The XDL-4K30 boasts 30,000 lumens brightness with extraordinary colors. 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.

### **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.

### **3D that really stands out**

Get the absolute most impact with superb 3D performance based on color separation using twin wavelengths and a more effective use of light. Forget the issue of ghosting – there is none. And project onto white rather than silver screens.

**PRODUCT SPECIFICATIONS****XDL-4K30**

<b>Projector type</b>	Native 4K 3-chip DLP digital projector up to 120 Hz
<b>Technology</b>	1.38" DMD™ x3
<b>Resolution</b>	4,096 x 2,160
<b>Brightness</b>	Up to 28,000 center lumens using HC lenses / Up to 30,000 center lumens using HB lenses 29,700 ansi lumen 33,400 ISO lumen
<b>Native contrast ratio</b>	2,800:1 (typical using HC lenses) / 500:1 ANSI contrast (typical)   2,000:1 (typical using HB lenses) / 450:1 ANSI contrast (typical)
<b>Prime lenses</b>	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
<b>Optical lens shift</b>	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
<b>Light source</b>	Direct coupled RGB lasers 6P
<b>Light source lifetime</b>	20,000 hrs* 30,000 hrs**
<b>Color correction</b>	P7
<b>Optical dowser</b>	Standard
<b>Orientation</b>	Tilt 45° up and 30° downwards   Rotation – 20 degrees / +90 degrees (=Portrait)
<b>Sealed DLP™ core</b>	standard
<b>Inputs</b>	Slot 1 : Dual HDBt; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad 3G/12G SDI / BarcoLink   Slot 2: Quad DP1.2
<b>Input resolutions</b>	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)
<b>Picture-by-picture</b>	Two sources simultaneously
<b>CLO (constant light output)</b>	Standard
<b>ScenergiX</b>	Horizontal and vertical edge blending, Direct adjust OSD + toolset
<b>Image processing</b>	Embedded warp & blend engine
<b>Keystone correction</b>	Yes
<b>Integrated web server</b>	Yes
<b>Software tools</b>	Projector Toolset

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<b>Control</b>	XLR wired + IR, RS232, Wifi (opt), GSM (opt)
<b>Network connection</b>	10/100 base-T, RJ-45 connection, Wifi (optional)
<b>Dimensions (WxLxH)</b>	Projector: 744 x 1,445 x 706 mm / 29.3 x 56.9 x 27.8 inches (with feet, no lens) one chillers, with the following dimensions: 701 x 701 x 800 mm / 27.6 x 27.6 x 31.5 inches
<b>Weight</b>	Projector: 200kg (~440lb) / Chiller: ~115kg (~250lb)
<b>Cooling liquid hose length</b>	2.5-5-10m (8.2-16.4-32.8ft)
<b>Power requirements</b>	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 (Λ-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 (Λ-connection) / Max. 16A per phase
<b>Ambient temperature</b>	10-35°C (95°F) Max. (projector and chillers)
<b>Operational humidity</b>	5-80% (non condens)
<b>Power consumption</b>	Projector @ full laser power: 3.5 kW (2D or Polarization 3D) / 2.0 kW (Barco Laser3D -6P) Chillers @ full laser power: 2.0 kW (2D or Polarization 3D) / 1.6 kW (Barco Laser3D -6P)
<b>3D systems</b>	Color3D (Barco Laser3D): Native 6-primary color-3D system. Only requires color filter glasses / Active glasses systems / Polarization recuperation systems
<b>Safety class</b>	Class 1, RG3
<b>Certifications</b>	CE; ETL/UL/FCC
<b>*Note</b>	*Less than 20% decrease during a runtime of 20,000 hrs **Less than 20% decrease during a runtime of 30,000 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.