

# XDL-4K60

60,000 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**

The XDL-4K60 generates no less than 60,000 lumens brightness with 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 60K lumens.

### **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-4K60**

<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 56,000 center lumens using HC lenses / Up to 60,000 center lumens using HB lenses 59,200 ansi lumen 66,600 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 dowsler</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
<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
<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)   Two chillers, each with the following dimensions: 701 x 701 x 800 mm / 27.6 x 27.6 x 31.5 inches
<b>Weight</b>	Projector: 235kg (~520lb) / Chillers: ~115kg (~250lb) per chiller (two chillers needed)
<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: 6.7 kW (2D or Polarization 3D) / 3.6 kW (Barco Laser3D -6P) Chillers @ full laser power: 3.0 kW (2D or Polarization 3D) / 2.5 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 -operational humidity

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.