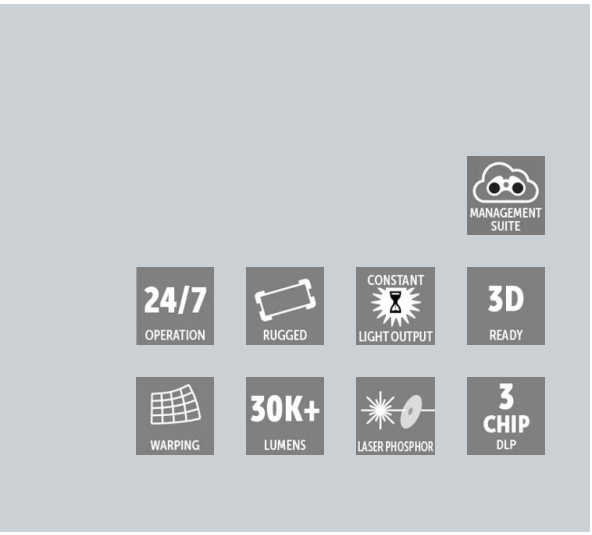
QDX-4K45

41,000 lumens, 4K UHD, 3-chip DLP laser phosphor large venue projector





- **Stunning experiences thanks to high-brightness images**
- **Next-gen Pulse electronics with more processing power**
- **Durable design for maximized ROI**
- **Access to Barco's cloud-based Insights Management Suite**

Designed to deliver brighter, sharper, and lighter projections with unmatched speed, the QDX ensures immersive visuals that captivate audiences while offering an impressive return on investment.

Unprecedented image quality

The QDX-4K45 projector boasts ultra-high brightness capabilities of 41,000 lumens, providing clear and vibrant images in any setting. Utilizing the advanced Barco 0.96 DMD chip, it produces stunning 4K picture quality with rich, lavish colors. Enhanced by our patented Pulse electronics, enjoy ultra-fast processing and high bandwidth support up to 8K@60Hz or 4K@240Hz for smoother images and sharper pixels.

Maximized ROI

The QDX is the world's most compact and lightest projector in its category, with everything at hand to maximize your ROI. It integrates seamlessly with your existing Barco equipment, including rental frames, flight cases, and TLD+ lenses. Fully compatible with Barco's smart peripherals and software tools, it ensures maximum return on your investment.

High Reliability

Built for longevity, the QDX projector maintains its stunning brightness and image quality over time. Its modular design allows for easy maintenance, and its advanced air filter system ensures reliable performance even in the harshest environments.

Product specifications	QDX-4K45
General specifications	
Projector type	WUXGA 3-chip DLP digital projector
Technology	0.96" DMD™ x3
Resolution	3840 x 2400 (4K UHD)
Brightness	45000 ISO lumens 43000 center lumens* 41000 ANSI lumens
Contrast ratio	Full field 2.200:1
Contrast ratio Barco DynaBlack®	20.000:1
Optical lens shift	Vertical: up to -150% to +130% (motorized) Horizontal: up to +/-50% (motorized) with lens memory on TLD+ lenses
Light source	Blue+Red laser phosphor with inorganic phosphor wheel
Brightness uniformity	95%
Light source lifetime	20000 hrs (100% power, DynaBlack® off)
Color correction	Yes
Optical dowser	Laser switching /optional external
Aspect ratio	16:10
Lens type	TLD+
Lens range	TLD+: 0.37:1 ; 0.65-0.85:1 ; 0.8-1.16:1 ; 1.25 -1.6:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.5:1
Color space	REC 709+, DCI-P3**
Orientation	360°
Sealed DLP™ core	Yes + DuraOptix™
Inputs	HDMI™ 2.1 (HDCP2.2 -HDR***)/ DP1.4 (HDCP 1.3)/ RJ45 Ethernet/ USB(5v)/ 12V out/ BNC 3D sync in-out
Input resolutions	Including and up to: 4096 x 2160 @ 120Hz 3840 x 2400 @ 120Hz 7680 x 4320 @ 60Hz
Output refresh rates	24-120Hz
Processing	Pulse electronics
Web browser	Yes
Picture-by-picture	Two sources simultaneously
CLO (constant light output)	Yes
DMX 512	Optional
Image processing	Embedded warp & blend
Keystone correction	Yes
Standby power	
Software tools	Pulse Toolset + Android app + iOS app + IMS (www.barco.com/barco-pulse)
Control	DMX (optional), XLR wired (optional) + IR, RJ45, Wifi**** (optional), GSM**** (optional)

Product specifications	QDX-4K45
3D	Active eye wear 3D stereo formats: 1xHDMI™ 1xDP or Quad DP(optioN/Al) top/ bottomsequential multi pipe. 1920x1200 @ 120Hz
24/7 operation	Yes
BTU per hour	Max 11935 BTU/h (can be reduced by up to 70% with external cooler) (External liquid to air cooler: www.barco.com/en/product/external-liquid-to-air-cooler) (External liquid to liquid cooler: www.barco.com/en/product/external-liquid-to-liquid-cooler)
Operating temperature	0-40°C / 32°-104°F (reduce power > 40°C)
Optional Inputs	Quad DP1.2 Fiber SFP HDBaseT(Lite)/ HDMI™/ Quad-3G/ 12G/ DMX/ remote CTRL HDBaseT
Storage temperature	-10°C to 60°C
Operating humidity	0-80% (no condense)
Storage humidity	5 -90% RH
Network connection	10/100 base-T RJ-45 connection, wifi +GSM (connected models) IOT connected with IMS (in selected countries)
Dimensions (WxLxH)	660 x 830 x 350 mm / 25.98 x 32.67 x 13.77 inches
Weight	77,5 kg / 171 lbs
Shipping weight	91kg / 200 lbs
Power requirements	120-160V (reduce power)20A / 200-240V (+/-10%) 32A 50-60Hz
Power consumption	At 230v: 3200W typical/ 3500W max At 120v: 2200W typical/ 2300W max
Noise level (typical at 25°C/77°F)	52dB(A)
Shipping dimensions (WxLxH)	800 x 1200 x 660 mm / 31.49 x 47.24 x 25.9 " incl. palet
Safety class	Laser Safety Class: RG3 Class 2
Standard accessories	Power cord wireless / XLR wired rugged remote control
Certifications	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations part 15 Class A and CE EN55032 Class A Rohs
Warranty	3 years
*Note	* Brightness levels +/-10% ** With the option: DCI-P3 (R9803310) *** Supporting HDR 10 (HLG, EOTF, PQ EOTF SMPTE 2084), Tonemapping (EETF ITU-R BT2408-4 Annex 5) **** Wifi and GSM options are not available in all countries. Check with your Barco representative for more info.

Last updated: 27 Nov 2025

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