

# Barco QDX-N4K45

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## Brief Introduction Beta 2.5

The QDX-N4K45 3D Laser DLP for large events has 37,500 ANSI lumens, a contrast ratio of 2200:1, and a UHD (4K2K+) resolution of 3840 x 2400. Thanks to the laser, the projector has a light life of 20,000 hours, which is over 13.7 years when used for four hours a day. The lens shift function allows the projector to be positioned very freely. An image width of up to 1686 cm is possible; if the image width is smaller (we recommend max. 1124 cm), even rooms with residual light are no problem. If the image width is not sufficient, the projector offers integrated edge blending software, which allows multiple projectors to project a large image together. The projector can also play 1080P, 4K, and 3D, meaning that all currently available Blu-ray formats can be recognized by the projector.



3 x 0,98" DMD DLP Chip  
UHD 4/3 Ti Digital Light Processing Chip

## Display Type

Ansi-Lumen

Projector 37500

Screen 12500 Lux (200 cm Screen width)

Contrast

Projector 2200:1 full on/off

Screen 2200:1 full on/off

Black Level

Projector 17,0455 min. Lumen

Screen 5,69 min. Lumen

Lens shift

Vert.: +130% -150% Hori.: +/-50%

Resolution

UHD (4K2K+) 3840 x 2400  
9.216.000 Pixel

Video Modes

Pal, SECAM, NTSC, HDTV 720p, 1080i, 1080p, 4K UHD, 3D, EDTV 480p, 576p

3D Compatibility

Frame-Packing (Full HD 3D) | Side-by-Side | Top-and-Bottom  
Frame Sequential (3D Ready)

Application

Event | Very large screen width and rooms with plenty of light and shaded daylight.

Light Source

Blue+Red Laser Phosphor

Light Life

20000 h.

Operating Costs

0,00 € Laser

Focus

Powered

Zoom

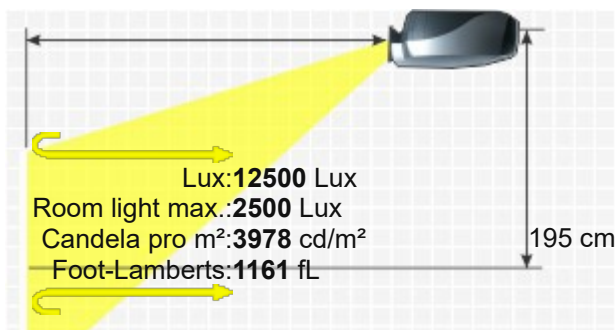
Powered

Objective

optional

Throw Ratio

optional



HDMI™ 2.1 (HDCP2.2 -HDR10)  
DP1.4 (HDCP 1.3)  
USB(5v)  
12V out  
BNC 3D sync in-out  
RS232 9Pin  
RJ45 Ethernet  
Optional: Quad DP 1.2, Glasfaser SFP, HDBaseT (Lite), HDMI, Quad-3G, 12G, DMX, HDBaseT

Connections



Ceiling Mounting  
Power  
Size WxHxD  
Operating Noise

Yes, is possible.  
2800W Max / 2560W Typical  
830 x 350 x 660 mm (32,7"x13,8"x26") 191,73 L/dm³  
52dB

Weight  
Keystone  
Illumination

79,00 kg / 174,17 lbs.  
-  
95%

Frequenz

-

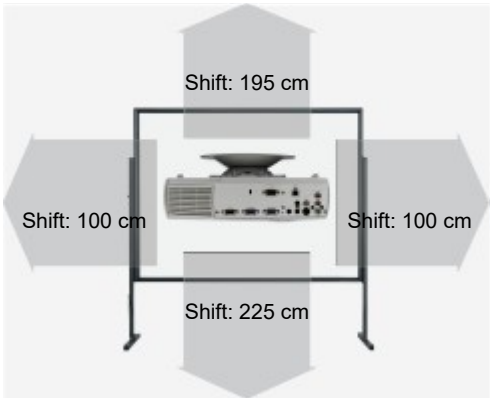
Foot-Lamberts

1161 fL / max. 1686 cm screen width  
3978 cd/m²

- Features
- Real Full HD 3D
  - Full HD 1080P compatible
  - Lens shift Funktion
  - High Dynamic Range (HDR)
  - Warping
  - 360° installable
  - 24/7 continuous operation capable
  - Edge Blending
  - Picture-in-Picture
  - Password protection
  - Control via web browser
  - Optional Wi-Fi network compatible.
  - Lan network compatible.

Screen Mirroring

-



|                      |            | Optional Lenses |         |         |         |
|----------------------|------------|-----------------|---------|---------|---------|
| Name                 | Ratio      | Distance        | Shift V | Shift H | Zoom    |
| Zoom Optional Lenses |            |                 |         |         |         |
| 7.5-11.5             | 7.5-11.5:1 | 15-23 m         |         |         | Powered |
| 4.5-7.5              | 4.5-7.5:1  | 9-15 m          |         |         | Powered |
| 2.8-4.5              | 2.8-4.5:1  | 5.6-9 m         |         |         | Powered |
| 2.0-2.8              | 2-2.8:1    | 4-5.6 m         |         |         | Powered |
| 1.5-2.0              | 1.5-2:1    | 3-4 m           |         |         | Powered |
| 1.25 -1.6            | 1.25-1.6:1 | 2.5-3.2 m       |         |         | Powered |

|                     |             |           |         |
|---------------------|-------------|-----------|---------|
| 0.8-1.16            | 0.8-1.16:1  | 1.6-2.3 m | Powered |
| 0.65-0.85           | 0.65-0.85:1 | 1.3-1.7 m | Powered |
| Fix Optional Lenses |             |           |         |
| 0.37                | 0.37:1      | 0.7 m     | No Zoom |

Status

2025 Current model // Last update of the data: 2025-08-12  
Created: 2025-07-31 10:48:31



More Details



HCinema

<https://www.projector-database.com/pro/barcoqdxn4k45-en.html>

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