

G100-W22

22,000 lumen, WUXGA, single-chip laser phosphor projector



- single-chip high-brightness projections
- up-to-date input capabilities & future-proof design
- full operational flexibility through wide lens range

100% image performance

The G100 series opens up the possibilities of our single-chip offering with higher brightness levels than before. It brings great image quality with an impressive lumens power for bright projections indoor and outdoor. What's more, the G100 supports all the latest input sources, including HDMI 2.0, to assure deep color palettes and qualitative projections.

Thanks to Barco's Projector Toolset software, installing and managing your projector(s) can be done from the comfort of your own computer with the intuitive user interface. In addition, the Ptoolset blending and warping capabilities, make these projectors a perfect fit for multi-channel media-based attractions like planetariums, domes, theatres and projection mappings.

100% flexibility

To enable full operational versatility and effortless implementation in different project designs, the G100 comes with a stable lens holder to guarantee reliable blending and non-moving images in multichannel set-ups, and a new extensive GC-lens range supporting a throw ratio going from 0.38 up to a 10.8. It gives you flexibility to shoot from long/and or short distances, and to play with 360° orientation possibilities. The projector and its peripherals deliver the best outcomes for any creative project.

With the excellent onboard cooling the G100s can withstand a maximum ambient operating temperature of 50°C (122°F), and this all only at max. 42 dB noise levels.

100% reliability

Through its laser-phosphor light source and advanced cooling design, the G100 provides a long operating time (> 20.000 hrs) without need for lamp changes - resulting in considerable cost-savings on maintenance and consumables.

With its up-to-date and future-proof design the G100 is built to meet all your requirements in terms of image quality, reliability and sustainability.

BARCO

Projector typeSingle chip DLP laser phosphor projectorResolution1,920 x 1,200 (WUXGA) -0.96' DLP chipBrightness22,000 ISO lumen / 20,600 center lumen / 18,500 ANSI lumenContrast ratio1,100.1 sequential; 5,500.1 dynamic; Extreme black: 100,000.1Brightness uniformity90%Aspect ratio16.10Lens typeGC-lenses -0.65-075.1 / 0.84-1.02.1 / 1.02-1.36.1 / 1.2-15.1 / 1.5-2.0.1 / 2.0-4.0.1 / 4.0-7.2.1 / 7.2-10.81Optical lens shiftVertical up to 120% depending on lens Horizontal up to 50%, depending on lens Motorized zoom and focus Motorized lens shiftColor correctionYesCLO (constant light output)YesLight sourceLaser phosphorLight sourceYesOrientation30°* rotation, no restrictions3DActive and passive stereoscolar 3DImage processingEmbedded warp & blend. Also possible via PtoolsetKeystone correctionYesUp to 1200 x 1200 @ 60Hz refrests rates: 24Hz to 1201 x 1200 (# 2007) / 24Hz to 60Hz for WUXGA (1920x1200) / 24Hz to 60Hz for 34Hz to 1201 x 1200 (# 60Hz refrests rates: 24Hz to 1201 x 1200 (# 2007) / 24Hz to 60Hz for WUXGA (1920x1200) / 24Hz to 60Hz for 34Hz to 1201 x 1200 (# 2007) / 24Hz to 60Hz for WUXGA (1920x1200) / 24Hz to 60Hz for 34Hz to 1201 x 1200 (# 2007) / 24Hz to 60Hz for WUXGA (1920x1200) / 24Hz to 60Hz for 34Hz to 1201 x 1200 x 1200 (# 60Hz refrests rates: 24Hz to 1201 x 1200 x 1200 (# 2007) / 24Hz to 60Hz for WUXGA (1920x1200) / 24Hz to 60Hz for 34Hz to 1201 x 1200 x
Brightness 22,000 ISO Lumen / 20,600 center lumen / 18,500 ANSI lumen Contrast ratio 1,100 I sequential; 5,500:1 dynamic; Extreme black: 100,000:1 Brightness uniformity 90% Aspect ratio 16:10 Lens type GC-lenses -0.65-0.75:1 / 0.84-102:1 / 1.02-136:1 / 1.2-15:1 / 1.5-2.0:1 / 2.0-4.0:1 / 4.0-7.2:1 / 7.2-10.81 Optical lens shift Vertical up to 120%, depending on lens Horizontal up to 50%, depending on lens Motorized zom and focus Color correction Yes CLO (constant light output) Yes Light source Laser phosphor Light source Up to 20.000hrs Sealed DLP™ core Yes Orientation 360° rotation, no restrictions 3D Active and passive stereoscopic 3D Image processing Embedded warp & blend. Also possible via Ptoolset Keystone correction Yes Input resolutions Up to 1,920 x 1,200 @ 60Hz refresh rates: 244 to 1201/24Hz to 60Hz for WUXGA (1920x1200) / 24Hz to 60Hz f
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Software tools Projector Toolset
Control IR, RS232, RJ45, USB type A
Network connection 10/100 Ethernet, RJ45
Power requirements 100-240V / 50-60Hz
Power consumption 1380W nominal, 1565W maximum
BTU per hour 4,709 BTU/h nominal; 5,340 BTU/h maximum
Standby power less than 0.5W
Noise level (typical at 25°C/77°F) 38dB(A) -42dB(A) depending on the used mode
Operating temperature 0 -50 °C (sea level)
Storage temperature -10 to 60 °C
Operating humidity 10 -85% RH, non-condensing
Storage humidity 5 -90% RH, non-condensing
Dimensions (WxLxH) without feet: 650 x 710 x 251 mm / 25.6 x 27.9 x 9.9 in
Weight without lens: 54 kg / 119.0 lbs
Standard accessories Power cord, wireless remote control
Certifications CE, FCC Class A, cTUVUS, CCC, EAC, KCC, RCM, BIS, BSMI
Warranty Limited 3 years parts and labor

Last updated: 29 Mar 2021

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.

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