

# 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 multi-channel 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.

**PRODUCT SPECIFICATIONS****G100-W22**

|   |   |
|---|---|
| <b>Projector type</b>                     | Single chip DLP laser phosphor projector  |
| <b>Resolution</b>                         | 1,920 x 1,200 (WUXGA) -0.96" DLP chip   |
| <b>Brightness</b>                         | 22,000 ISO lumen / 20,600 center lumen / 18,500 ANSI lumen<br>23,750 ISO lumen (Super Bright mode)*   |
| <b>Contrast ratio</b>                     | 1,100:1 sequential; 5,500:1 dynamic; Extreme black: 100,000:1   |
| <b>Brightness uniformity</b>              | 90%   |
| <b>Aspect ratio</b>                       | 16:10   |
| <b>Lens type</b>                          | GC-lenses -0.65-0.75:1 / 0.84-1.02:1 / 1.02-1.36:1 / 1.2-1.5:1 / 1.5-2.0:1 / 2.0-4.0:1 / 4.0-7.2:1 / 7.2-10.8:1   |
| <b>Optical lens shift</b>                 | Vertical up to 120%, depending on lens<br>Horizontal up to 50%, depending on lens<br>Motorized zoom and focus<br>Motorized lens shift   |
| <b>Color correction</b>                   | Yes   |
| <b>CLO (constant light output)</b>        | Yes   |
| <b>Light source</b>                       | Laser phosphor  |
| <b>Light source lifetime</b>              | Up to 20,000hrs   |
| <b>Sealed DLP™ core</b>                   | Yes   |
| <b>Orientation</b>                        | 360° rotation, no restrictions  |
| <b>3D</b>                                 | Active and passive stereoscopic 3D  |
| <b>Image processing</b>                   | Embedded warp & blend. Also possible via Ptoolset   |
| <b>Keystone correction</b>                | Yes   |
| <b>Inputs</b>                             | 2x HDMI 2.0b / DisplayPort 1.2a / DVI-D / HDBaseT / 3G-SDI / VGA (D-Sub 15 pin)   |
| <b>Input resolutions</b>                  | Up to 4K UHD @60Hz<br><br>Refresh rates: 24Hz to 60Hz for WUXGA and 4KUHD (4096 x 2160 / 3860 x 2160)<br><br>4K input signals will be scaled to the projector's output resolution |
| <b>Software tools</b>                     | Projector Toolset**   |
| <b>Control</b>                            | IR, RS232, RJ45, USB type A   |
| <b>Network connection</b>                 | 10/100 Ethernet, RJ45   |
| <b>Power requirements</b>                 | 100-240V / 50-60Hz  |
| <b>Power consumption</b>                  | 1200W nominal, 1380W maximum (@220V)  |
| <b>BTU per hour</b>                       | 4095 BTU/h nominal, 4710 BTU/h maximum (@220V)  |
| <b>Standby power</b>                      | less than 0.5W  |
| <b>Noise level (typical at 25°C/77°F)</b> | 38dB(A) -42dB(A) depending on the used mode   |
| <b>Operating temperature</b>              | 0 -50 °C (sea level)  |
| <b>Storage temperature</b>                | -10 to 60 °C  |
| <b>Operating humidity</b>                 | 10 -85% RH, non-condensing  |
| <b>Storage humidity</b>                   | 5 -90% RH, non-condensing   |
| <b>Dimensions (WxLxH)</b>                 | without feet: 650 x 710 x 251 mm / 25.6 x 27.9 x 9.9 in   |
| <b>Weight</b>                             | without lens: 54 kg / 119.0 lbs   |
| <b>Standard accessories</b>               | Power cord, wireless remote control   |
| <b>Certifications</b>                     | CE, FCC Class A, cTUVUS, CCC, EAC, KCC, RCM, BIS, BSMI  |
| <b>Warranty</b>                           | Limited 3 years parts and labor   |
| <b>*Note</b>                              | * Only available on 220V input power and with lifetime of 16.500hrs @25°C/77°F ** Integration in Ptoolset in Q1/2022  |

Last updated: 05 Dec 2022

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.