

# G50-W6

6,000 lumens, WUXGA, DLP laser phosphor projector



- **Smallest and lightest projector in its category**
- **Industry leading energy efficiency in the 5-8K lumens segment**
- **Consistent image quality over time**
- **Full range of interchangeable lenses (with widest lens shift)**
- **Guaranteed service and support**

The G50-W6 is an affordable and compact, yet powerful, single-chip WUXGA projector designed for single and multi-channel projections for boardrooms, museums, exhibitions, experience centers, and entry-level simulation applications. It is part of the economical G50 series and the Barco smart line projectors. With a great price-performance ratio, the G50s are the most compact and energy efficient projectors on the market.

The laser phosphor light source ensures great image quality, with superb colors and image uniformity. These are the smallest projectors in our offering with the highest light efficiency visualizing high-quality content at its best.

Their uniform compact size, the compatibility with Barco's extensive G-series lenses and the wide lens shift range enlarge the projectors flexibility, which allows you to choose the perfect fit for your specific environment.

In addition, G50 owners can benefit from the valued Barco service and support. The G50 allows for an Insights Management Suite subscription, our cloud-based IoT platform to monitor, diagnose and control your projectors. And thanks to Barco's Projector Toolset software, installing and managing your projector(s) can be done from the comfort of your own computer.

**Product specifications****G50-W6**

General specifications	
Light source	Laser phosphor
Standard accessories	Power cord, wireless remote control
Brightness	5,400 ANSI lumens 6,000 center lumens 6,400 ISO lumens
Color correction	Yes
Keystone correction	Yes
Operating temperature	0 ~ 40 °C (sea level)
Input resolutions	Up to 4K UHD @60Hz Refresh rates: 24Hz to 60Hz for WUXGA and 4KUHD (4096 x 2160 / 3860 x 2160) 4K input signals will be scaled to the projector's output resolution
Power requirements	100-240V / 50-60Hz
Power consumption	300W @110V 290W @220V
Speakers	10W / 6Ω *2
Brightness uniformity	90%
Light source lifetime	Up to 20,000hrs
Aspect ratio	16:10
Resolution	1,920 x 1,200 (WUXGA)
Storage humidity	5 -90% RH, non-condensing
Weight	without lens: 11 kg / 24.25 lbs
Network connection	10/100 Ethernet, RJ45
Operating humidity	10 -85% RH, non-condensing
Optical lens shift	Vertical up to 100%, depending on lens Horizontal up to 30%, depending on lens Motorized zoom and focus Motorized lens shift
Contrast ratio	1,200:1 sequential; 6,000:1 dynamic; Extreme black: 750,000:1
Technology	Single chip DLP laser phosphor projector
Inputs	2 x HDMI In (Compliant with HDMI 2.0b, HDCP2.2) / 1 x Display Port (1.2a) / 1 x HDBaseT (HDCP1.4) / 1 x 3D SYNC In
Warranty	Limited 3 years parts and labor

**Product specifications****G50-W6**

Certifications	CE, FCC Class A, cTUVUS, CCC, EAC, KCC, RCM, BIS, BSMI
Standby power	less than 0.5W
CLO (constant light output)	Yes
3D	Active stereoscopic 3D
BTU per hour	1024 @110V 990 @220V
Storage temperature	-10 ~ 60 °C
Control	1 x RS232 (D-sub 9 pin) (PC Control) 1 x Wired In (3.5mm phone jack) (Remote In) 1 x RJ45 (LAN)
Output	1 x HDMI Out (Loop through HDMI1/HDMI2/HDBaseT/DP) 1 x 3D SYNC Out 1 x DC 12V Out 1 x Audio out, 3.5mm phone jack
Orientation	360° rotation, no restrictions
*Note	Brightness levels +/-10%
Software tools	Projector Toolset
Sealed DLP™ core	Yes
Image processing	Embedded warp & blend possible via Ptoolset
Lens type	G-lenses -0.37-0.4:1 / 0.65-0.75:1 / 0.75-0.95:1 / 0.95-1.22:1 / 1.22-1.52:1 / 1.52-2.92:1 / 2.90-5.50:1
Projector type	Single chip DLP laser phosphor projector
Noise level (typical at 25°C/77°F)	32dB(A) -36dB(A) depending on the used mode
Dimensions (WxLxH)	without feet: 486 x 376 x 181.2mm

Last updated: 26 May 2023

© 2018 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest specifications.