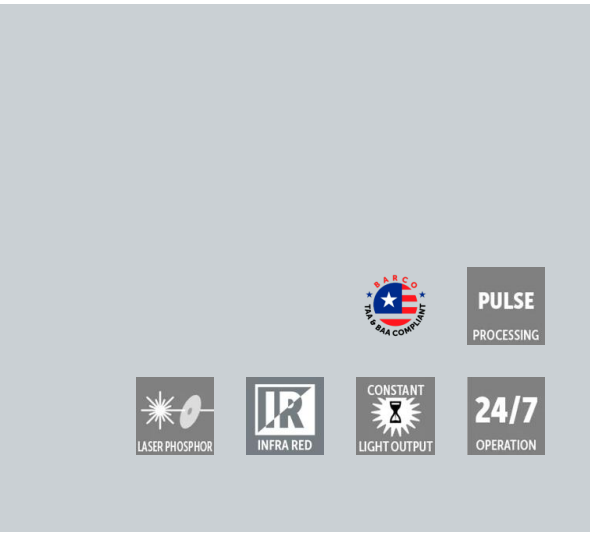
FS70-W6

WUXGA laser-phosphor projector with NVG stimulation



- **Designed for simulation**
- **Night Vision Goggles stimulation**
- **Durable and robust for 24/7 operation**
- **High brightness (5,500 lumen)**
- **Long lifetime (up to 50, 000 hours)**

The FS70-W6 is a laser-phosphor projector with WUXGA resolution that was built specifically for simulation applications. This dedicated IR projector answer to the simulation market's specific requirements - including high robustness, longer lifetime, and laser-sharp image quality. It also allows for full individual control of visual and IR intensity to stimulate Night Vision Goggles with IR transmission at 740nm. Dual iris and optical filters ensure better contrast and higher black levels.

Fitted with protective metal encasing the entire projector, Barco's FS70 is robust enough to withstand a motion platform's rapid and sudden movements, making it the perfect choice for this type of applications. With a lifetime of up to 50,000 hours (depending on the mode of operation), the FS70 is one of the most durable projectors on the market today.

Designed for 24/7 use

The FS70 is designed for performance and reliability. With the Constant Light Output (CLO®) functionality, the projector produces predictable and constant brightness and color over an extended period of time. Designed specifically for training during dawn, day, dusk, and night, the FS70 offers the latest infrared technology that ensures an extremely realistic NVGs training experience alongside dimming possibilities from 0-100%, ensuring optimal training at any time of day. The design of the FS70 also takes into account the mounting requirements and suite of lenses, making the FS70 the perfect choice for technology upgrade decisions.

Brighter, better

With brightness levels in simulation configurations of up to 5,500 lumens, the FS70 can effortlessly meet the requirements of any simulation system. This means that, along with minute details, you also have the matching brightness to see every single aspect of the simulation scene in absolute clarity. Features especially designed for simulation include Smear Reduction Processing (SRP^{TM}), dual input @120HZ, dual iris and optical filters for better contrast and higher black levels, as well as optics purpose designed for Night Vision Goggle stimulation.

Product specifications	FS70-W6
General Specifications	
Brightness	5,900 Typical ANSI Lumens
Contrast ratio	1,800 – 6,000:1 sequential
IR for NVG	yes
Brightness uniformity	90%
Aspect ratio	16:10
Projector type	1DLP laser phosphor
Resolution	1,920 x 1,200 (WUXGA)
Lens type	FLD-series
Optical lens shift	Vertical up to 134%, depending on lens Horizontal up to 70%, depending on lens Motorized zoom and focus (+ lens memory FLDX lenses) Motorized lens shift (with position memory on all lenses)
Color correction	P7 RealColor™
CLO (constant light output)	Yes
Light source	Laser phosphor
Light source lifetime	Minimum 25,000 hours @ full power Up to 50,000 hours, depending on mode of operation
Sealed DLP™ core	Yes
Orientation	360° rotation, no restrictions
3D	Active stereoscopic 3D
Image processing	Embedded warp & blend engine
Keystone correction	Yes
Inputs	HDSDI 2x DP1.2 2x dual link DVI-I HDBaseT HDMI™ 2.0 (HDCP2.2, HDR10) RJ 45 Ethernet DMX in/out RS232 in 2x USB 12v out
Input resolutions	Including and up to: 1,920 x 1200 @ 60Hz 2,560 x 1,600 @ 120Hz
Input color depth	Up to 12-bit, depending on configuration
Software tools	Projector Toolset
Control	IR, RS232, RJ45
Network connection	IR, RS232, RJ45
Power requirements	100-240V / 50-60Hz
Power consumption	743 W nominal, 1100 W maximum
BTU per hour	Max 4,000 BTU/h
Noise level (typical at 25°C/77°F)	36 dB(A)
Operating temperature	10 -40 °C (sea level)
Storage temperature	-20 to 60 °C
Operating humidity	20 -80% RH
Storage humidity	10 -90% RH
Dimensions (WxLxH)	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
Weight	37 kg / 81,5 lbs
Standard accessories	Power cord, wireless remote control
Certifications	CE, FCC Class A and cNus
Warranty	Limited 5 years parts and labor, extendable

Last updated: 09 Jul 2026