

# F90-W13

13,000 lumens, WUXGA, single-chip DLP laser phosphor projector



The excellent image quality and laser phosphor light source of Barco's F90 projectors enable you to provide stunning experiences while saving both time and money. Designed for installation in boardrooms, auditoriums, and visitor attractions such as museums and planetariums, the rugged F90-W13 is equally suited for events, and retail and advertising applications. Thanks to its motion platform compatibility and 3D functionality, the projector is also perfectly fit for theme park dark rides and interactive experiences.

## Excellent image quality

Thanks to its advanced optical design, the F90-W13 delivers excellent image quality. What's more, this reliable projector also offers images with constant light output, for long-term, worry-free operation.

## Unprecedented business value

The F90-W13 projector enables you to increase uptime while driving costs down. Through its laser-phosphor light source and advanced cooling design, it provides up to 40,000 hours operating time without need for lamp changes, so virtually maintenance-free - resulting in considerable cost-savings on maintenance and consumables.

## Ultimate installation flexibility

This projector can run in any orientation, giving you more flexibility in projector location and orientation. Thanks to its wide array of high-resolution FLD and FLD+ lenses - from ultra-short throw (0.28:1) to long throw (9.75:1) - each providing a wide lens shift range, the F90-W13 accommodates almost any projector configuration.

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**Product specifications****F90-W13**

<b>Projector type</b>	Single chip DLP laser phosphor projector
<b>Technology</b>	0.9" DMD
<b>Resolution</b>	1,920 x 1,200 (WUXGA)
<b>Brightness</b>	13,000 center lumens
<b>Contrast ratio</b>	400:1 native, 1800:1 Full field
<b>Brightness uniformity</b>	90%
<b>Aspect ratio</b>	16:10
<b>Lens type</b>	FLD
<b>Optical lens shift</b>	Up to 134% lens shift, depending on lens. Motorized zoom, focus, vertical and horizontal shift, iris and shutter.
<b>Color correction</b>	P7 RealColor™
<b>CLO (constant light output)</b>	Yes
<b>Light source</b>	Laser phosphor
<b>Light source lifetime</b>	20,000 / 40,000 hours, brightness mode dependent
<b>Sealed DLP™ core</b>	Yes
<b>Orientation</b>	360° rotation, no restrictions
<b>3D</b>	Active stereoscopic 3D
<b>Image processing</b>	Embedded warp & blend engine
<b>Keystone correction</b>	Yes
<b>Inputs</b>	HDSDI, 2x DP, 2x dual link DVI-I, HDBaseT, HDMI 2.0, RJ 45 Ethernet, DMX in/out, RS232 in, 2x USB, 12v out
<b>Input resolutions</b>	Up to 2,560 x 1,600 @ 120Hz
<b>Software tools</b>	Projector Toolset
<b>Control</b>	IR, RS232, RJ45
<b>Network connection</b>	10/100 Ethernet, RJ45
<b>Power requirements</b>	100-240V / 50-60Hz
<b>Power consumption</b>	1,600 W Max.
<b>BTU per hour</b>	Max 6,000 BTU/h
<b>Noise level (typical at 25°C/77°F)</b>	43 dB(A) (max)/ 40 dB(A) (normal)
<b>Operating temperature</b>	10 - 40 °C (sea level)
<b>Storage temperature</b>	-20 to 60 °C
<b>Operating humidity</b>	20 - 80% RH
<b>Storage humidity</b>	10 - 90% RH
<b>Dimensions (WxLxH)</b>	575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 in
<b>Weight</b>	38 kg / 84 lbs
<b>Standard accessories</b>	Power cord, wireless remote control
<b>Certifications</b>	CE, FCC Class A and cCSAus
<b>Warranty</b>	Limited 3 years parts and labor. Extendable up to 5 years
<b>24-7 documentation</b>	This projector is designed and warranted for heavy duty 24/7 operation. Specific measures and design considerations have been made in order for it to comply with stringent requirements in challenging applications.

Last updated: 22 Mar 2016  
Technical specifications are subject to change without prior notice.  
Please check [www.barco.com](http://www.barco.com) for the latest information.

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