

# F90-W13

13,000 lumens, WUXGA, DLP laser phosphor projector



- Solid performance, 24/7
- Ultimate installation flexibility
- Increased uptime, reduced costs

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 everything from high demanding visitor attractions to simulation applications that require 24/7 operation, the reliable F90-W13 is equally suited for events, retail and advertising as well as boardrooms and auditoriums. Thanks to its 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 - 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.

**PRODUCT SPECIFICATIONS****F90-W13**

Projector type	Single chip DLP laser phosphor projector
Resolution	1,920 x 1,200 (WUXGA)
Brightness	13,000 center lumens
Contrast ratio	1,800:1 sequential
Brightness uniformity	90%
Aspect ratio	16:10
Lens range	GLD (0.85 -1.06:1) GLD (1.06 -1.43:1) GLD (1.43 -2.12:1) GLD (1.43 -2.12:1) -Manual Zoom & Focus GLD (2.12 -3.18:1) Available lenses with lens adapter: FLDX (0.65 : 1) [EN67] FLDX (0.8 -1.21 : 1) [EN66] FLDX (1.2 -1.7 : 1) [EN63] FLDX (1.7 -2.5 : 1) [EN61] FLD+ (0.65:1) [EN47] -Mechanical support needed FLD+ (0.8:1) [EN42] FLD+ (Long Focus 0.8-1.21 : 1) [EN45] FLD+ (Short Focus 0.8-1.21 : 1) [EN46] FLD+ (1.2 -1.7 : 1) [EN43] FLD+ (1.7 -2.5 : 1) [EN41] FLD+ (2.5 -4.6 : 1) [EN44] FLD (3.8 -6.5 : 1) [EN16]
Optical lens shift	Up to 134% lens shift, depending on lens. Motorized zoom, focus, vertical and horizontal shift, iris and shutter.
Color correction	P7 RealColor™
CLO (constant light output)	Yes*
Light source	Laser phosphor
Light source lifetime	Up to 60,000 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 DP 1.2, 2x dual link DVI-D, HDBaseT, HDMI 2.0*, RJ 45 Ethernet, DMX in/out*, RS232 in, 2x USB, 12v out
Input resolutions	Up to 2,560 x 1,600 @ 120Hz
Software tools	Projector Toolset
Control	IR, RS232, RJ45, XLR wired
Network connection	10/100 Ethernet, RJ45
Power requirements	100-240V / 50-60Hz
Power consumption	1,200W nominal, 1,600 W maximum
BTU per hour	4,100 BTU/h nominal, 5,500 BTU/h maximum
Standby power	
Noise level (typical at 25°C/77°F)	38 dB(A)
Operating temperature	10 -45 °C (sea level)
Storage temperature	-20 to 60 °C

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Operating humidity	20 -80% RH
Storage humidity	10 -90% RH
Dimensions (WxLxH)	575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 in
Weight	44.5 kg / 98 lbs
Standard accessories	Power cord, wireless remote control
Certifications	CE, FCC Class A, cNemkoUS, CCC EAC, KSA, KCC, RCM, UkrSEPRO
Warranty	Limited 3 years parts and labor. Extendable up to 5 years
24-7 documentation	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.
Notes	* SW upgradable. Please contact an authorized Barco representative for details. ** When used in long-life mode, available through SW upgrade

Last updated: 23 Nov 2018

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