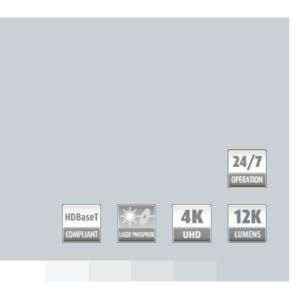
F90-4K13

11,800 lumens, 4K UHD, DLP laser phosphor projector





- Razor-sharp 4K images
- Ultimate installation flexibility, 24/7 operation
- Increased uptime, reduced costs

The stunning image quality and laser phosphor light source of Barco's F90 projectors enable you to provide exceptional 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 4K13 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.

Superior image quality

The F90-4K13 delivers razor-sharp images at 4K UHD resolution with a high level of detail, and highly saturated colors that meet the Rec. 709 color space. Featuring an advanced optical design, this reliable projector provides a constant light output, for long-term, worry-free operation.

Unprecedented business value

The F90-4K13 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 (0.3:1) to long throw (9.75:1) – each providing a wide lens shift range, the F90-4K13 accommodates almost any projector configuration.



Projector type	PRODUCT SPECIFICATIONS	F90-4K13				
Brightness	Projector type	Single chip DLP laser phosphor projector				
Contrast ratio 1.600-1 sequential, 10.000-1 dynamic* Brightness uniformity 90% Aspect ratio 1.610 Lens type FLD+ Optical lens shift Up to 146% lens shift, depending on lens, Motorized zoom, focus, vertical and horizontal shift, liris and shutter. Color correction P7 RealColor ^{IM} CLO (constant light output) Yes* Light source lifetime Up to 60.000 hours** Sealed DLPIP core Yes Orientation 360° rotation, no restrictions Active stereoscopic 30° Image processing Embedded warp 8 bland engine Keystone correction Yes Inputs HDSDI, 2x DP 12, 2x dual link DVHD, HDBaseT, HDMI 2.0*, RJ 45 Ethernet, DMX in/out*, RS232 in, 2s USB, 12x out Input resolutions Up to 4k UHD @ 60Ptz / Up to 2,560 x 1,600 @ 120Hz Control IR RS232, RJ45, XLR wired Network connection 10/100 Ethernet, RJ45 Power requirements 100-2407 / 50-601tz Power consumption 1,200 W maximum Standby power Noise level (typical at 25°C/77*F) 38 dB(A) Operating humidity 20 - 80% RH Storage temperature 10 - 45 °C (sea level) Storage temperature 10 - 90% RH Dimensions (WxbxH) 575 x 730 x 205 mm / 22.64 x 28 74 x 11.61 in Weight 445 kg / 961 lbs Standard accessories Power cont, wireless remote control	Resolution	3,840 x 2,400 (4K UHD) / 2,560 x 1,600 (WQXGA native)				
Brightness uniformity 90% Aspect ratio 16:10 Lens type FLD+ Optical lens shift Up to 146% 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 Up to 60,000 hours** Sealed DLP™ core Yes Orientation 360* rotation, no restrictions 3D Active stereoscopic 30* Image processing Embedded warp B bland engine Keystone correction Yes Inputs Up to 40,000 hours** Embedded warp B bland engine Keystone correction Yes USB, 12v out Input resolutions Up to 4W UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz 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/n nominal, 1,600 W maximum Standby power Notes level (typical at 25°C/77*F) 38 dR/A) Operating humidity 20 - 90% RH Dimensions (WukxH) 575 x 730 x 205 mm / 22 64 x 28 74 x 11.61 in Weight 44.5 kg / 98.1 lbs Standard accessories Power cond, wireless remote control	Brightness	11,800 center lumens				
Aspect ratio Lens type FLD+ Coptical lens shift Up to 146% lens shift, depending on lens. Motorized zoom, focus, vertical and horizontal shift, iris and shutter. Color correction P7 Real/Color* P7 Real/Color* CLO (constant light output) Yes* Light source Laser phosphor Light source lifetime Up to 60,000 hours** Sealed DLPP* core Yes Orientation 360* rotation, no restrictions 30 Active stereoscopic 30* Image processing Embedded warp 8 blend engine Reystone correction Yes Lipht source Lipht source Lipht source in the stereoscopic 30* Lipht source Lipht source Lipht source in the stereoscopic 30* Limpt resolutions Up to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz Software tools Projector Toolset Control RR R2322, RJ45, XLR wired Network connection 10/100 Ethermet, RJ45 Power requirements 100-240V / 50-60Hz Power consumption Lipht power Lipht up and Lipht and Lipht and Lipht and Lipht maximum Standby power Noise level (typical at 25*C/77*F) 38 dB(A) Operating temperature 10-45 *C (see level) Storage temperature 20-60 *C Operating humidity 10-90% RH Dimensions (WXL5H) S75 x 730 x 295 mm / 22 64 x 28 74 x 11.61 in Weight Standard accessories Power cord, wireless remote control	Contrast ratio	1,800:1 sequential, 10,000:1 dynamic*				
Lens type FLD+ Optical lens shift Up to 146% tens shift depending on lens. Motorized zoom, focus, vertical and horizontal shift, inis and shutter. Color correction P7 RealColor™ CLO (constant light output) Yes* Light source Laser phosphor Light source lifetime Up to 60,000 hours** Sealed DLP™ core Yes Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D* Image processing Embedded warp & blend engine Keystone correction Yes Inputs HDSD, 2x DP 12, 2x dual link DVI-D, HDBaseT, HDMI 2.0*, RJ 45 Ethernet, DMX in/out*, RS232 in, 2s USB, 12v out Input resolutions Up to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz Software tools Projector Toolset Control IR, RS232, RJ45, XJR wired Network connection 10/100 Ethernet, RJ45 Power requirements 100-240V / 50-60Hz Power rousumption BTU per hour 4,100 BTU/h nominal, 5,500 BTU/h maximum BTU per hour 4,100 BTU/h mominal, 5,500 BTU/h maximum Standby power Noise level (typical at 25°C/77*F) 38 dBM/ Operating temperature 10 - 45 °C (sea level) 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 il bs Standard accessories Power cord, wireless remote control	Brightness uniformity	90%				
Optical lens shift Up to 146% 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** Sealed DLP™ core Yes Orientation 360* rotation, no restrictions 3D Active stereoscopic 3D* Image processing Embedded warp & blend engine Keystone correction Yes HDSDL 2x DP 12, 2x dual link DVI-D, HDBaseT, HDMI 2.0*, RJ 45 Eithernet, DMX in/out*, RS232 in, 2s USB, 12v out Input resolutions Up to 4K UHD @ 600Hz / 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 20 to 60 °C Operating temperature 20 to 60 °C Operating temperature 20 to 60 °C Operating tumidity 10 -90% RH Dimensions (WxLxH) 575 x 730 x 295 mm / 22 64 x 28.74 x 1161 in Weight Standard accessories Power cord, wireless remote control	Aspect ratio	16:10				
Shutter. Color correction P7 RealColor™ CLO (constant light output) Yes* Light source Laser phosphor Light source lifetime Up to 60,000 hours** Sealed DLP™ core Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D* Image processing Embedded warp 6 blend engine Keystone correction Yes Inputs HBSDI, 2x DP 12, 2x dual link DVI-D, HDBaseT, HDMI 2.0*, RJ 45 Ethernet, DMX in/out*, RS232 in, 2v USB, 12v out Input resolutions Up to 4k UHD @ 60Hz / 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 100-240 v / 50-60 Hz Power consumption 1,200W nominal, 1,500 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 (see level) Storage temperature 20 to 60 °C Operating 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 / 98.1 lbs Standard accessories	Lens type	FLD+				
CLO (constant light output) Light source Laser phosphor Light source lifetime Up to 60,000 hours** Sealed DLP™ core Yes Orientation 360* rotation, no restrictions 3D Active stereoscopic 30* Image processing Embedded warp & blend engine Keystone correction Yes Inputs HDSDL, 2x DP 12, 2x dust link DV+D, HDBaseT, HDMI 2.0*, RJ 45 Ethernet, DMX in/out*, RS232 in, 2s US\$, 12v out Input resolutions Up to 4K UHD @ 60Hz / 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 consumption 1,200W nominal, 1,600 W maximum BTU per hour 4,100 BTU/h nominal, 5,500 BTU/h maximum BTU per hour 4,00 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 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 Standard accessories Power cord, wireless remote control	Optical lens shift					
Light source Laser phosphor Light source lifetime Up to 60,000 hours** Sealed DLP™ core Yes Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D* Image processing Embedded warp 6 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, 2s USB, 12v out Input resolutions Up to 4K UHD @ 60Hz / Up to 2.560 x 1.600 @ 120Hz Software tools Projector Toolset Control IR, RS232, RJ45, XLR wired Network connection 10/100 Ethernet, R145 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 aB(A) Operating temperature 10 - 45 °C (sea level) Storage temperature -20 to 60 °C Operating temperature -20 % 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 / 9.81 lbs Standard accessories	Color correction	P7 RealColor™				
Light source lifetime Up to 60,000 hours** Sealed DLP™ core Yes Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D° Image processing Embedded warp 6 blend engine Keystone correction Yes Inputs HDSDL, 2x DP 1.2, 2x dual link DVI-D, HDBaseT, HDMI 2.0*, RJ 45 Ethernet, DMX in/out*, RS232 in, 2v USB, 12v out Up to 4K UHD @ 60Hz / Up to 2.560 x 1,600 @ 120Hz Software tools Projector Toolset Control RR, 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 Operating 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 / 99.1 lbs Standard accessories Power cord, wireless remote control	CLO (constant light output)	Yes*				
Sealed DLP™ core Yes Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D° Image processing Embedded warp Ø blend engine Keystone correction Yes Inputs HDSDI, 2x DP 12, 2x dual link DVI-D, HDBaseT, HDMI 2.0°, RJ 45 Ethernet, DMX in/out*, RS232 in, 2v dust Input resolutions Up to 4K UHD @ 60Hz / 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 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 / 98.1 lbs Standard accessories Power cord, wireless remote Control	Light source	Laser phosphor				
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*, R5232 in, 2) USB, 12v out Input resolutions Up to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz Software tools Projector Toolset Control IR, R5232, 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 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 / 98.1 lbs Standard accessories	Light source lifetime	Up to 60,000 hours**				
Active stereoscopic 3D* Image processing Embedded warp 6 blend engine Keystone correction Yes Inputs HDSDI, 2x DP112, 2x dual link DVI-D, HDBaseT, HDMI 2.0*, RJ 45 Ethernet, DMX in/out*, RS232 in, 20 USB, 12v out Input resolutions Up to 4K UHD @ 60Hz / 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 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 / 98.1 lbs Standard accessories	Sealed DLP™ core	Yes				
Image processing Embedded warp θ 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, 20 USB, 12v out Input resolutions Up to 4K UHD @ 60Hz / 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/n nominal, 5,500 BTU/n 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 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Orientation	360° rotation, no restrictions				
Reystone correction Yes	3D	Active stereoscopic 3D*				
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	Image processing	Embedded warp & blend engine				
USB, 12v out	Keystone correction	Yes				
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 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	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				
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 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Input resolutions	Up to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz				
Network connection10/100 Ethernet, RJ45Power requirements100-240V / 50-60HzPower consumption1,200W nominal, 1,600 W maximumBTU per hour4,100 BTU/h nominal, 5,500 BTU/h maximumStandby powerNoise level (typical at 25°C/77°F)38 dB(A)Operating temperature10 - 45 °C (sea level)Storage temperature-20 to 60 °COperating humidity20 - 80% RHStorage humidity10 - 90% RHDimensions (WxLxH)575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 inWeight44.5 kg / 98.1 lbsStandard accessoriesPower cord, wireless remote control	Software tools	Projector Toolset				
Power requirements 100-240 V / 50-60 Hz Power consumption 1,200 W 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) Noise level (typical at 25°C/77°F) 38 dB(A) Operating temperature 10 - 45 °C (sea level) Storage temperature -20 to 60 °C 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Control	IR, RS232, RJ45, XLR wired				
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 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Network connection	10/100 Ethernet, RJ45				
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 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Power requirements	100-240V / 50-60Hz				
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 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Power consumption	1,200W nominal, 1,600 W maximum				
Noise level (typical at 25°C/77°F) 38 dB(A) Operating temperature 10 - 45 °C (sea level) Storage temperature -20 to 60 °C 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	BTU per hour	4,100 BTU/h nominal, 5,500 BTU/h maximum				
Operating temperature 10 - 45 °C (sea level) Storage temperature -20 to 60 °C 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Standby power					
Storage temperature -20 to 60 °C 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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Noise level (typical at 25°C/77°F)	38 dB(A)				
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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Operating temperature	10 - 45 °C (sea level)				
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 / 98.1 lbs Standard accessories Power cord, wireless remote control	Storage temperature	-20 to 60 °C				
Dimensions (WxLxH) 575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 in Weight 44.5 kg / 98.1 lbs Standard accessories Power cord, wireless remote control	Operating humidity	20 - 80% RH				
Weight 44.5 kg / 98.1 lbs Standard accessories Power cord, wireless remote control	Storage humidity	10 - 90% RH				
Standard accessories Power cord, wireless remote control	Dimensions (WxLxH)	575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 in				
	Weight	44.5 kg / 98.1 lbs				
Certifications CE, FCC Class A, cNemkoUS, CCC, EAC, KSA, KCC, RCM, UkrSEPRO	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	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.	24-7 documentation					

PROD			

F90-4K13

Notes

* SW upgradable. Please contact an authorized Barco representative for details. ** When used in long-life mode, available through SW upgrade

Last updated: 02 Mar 2018

 $Technical \ specifications \ are \ subject \ to \ change \ without \ prior \ notice. \ Please \ check \ www.barco.com \ for \ the \ latest \ information.$

