F80-Q9 9,000 lumens, WQXGA, DLP laser phosphor projector



- Stunning images with superb color performance
- Ultimate installation flexibility, 24/7 operation
- 3D capable

The stunning image quality and laser phosphor light source of Barco's F80 projectors enable you to provide exceptional experiences while saving both time and money. They're designed for fixed installation in a wide range of applications such as museums, board rooms, and auditoriums. Thanks to their 3D capability, they're also perfectly fit for theme park dark rides and interactive experiences.

Superior image quality

The F80-Q9 delivers stunning images with highly saturated colors that allow for accurate color reproduction at all times. What's more it features the powerful Barco Pulse processing that allows for sharper images and less latency thanks to its Single Step Processing (SSP).

Unprecedented business value

With this projector you can increase your uptime while driving costs down. Through its laser-phosphor light source and advanced cooling design, it provides a long operating time without need for lamp changes - resulting in considerable costsavings on maintenance and consumables.

Ultimate installation flexibility

The F80-Q9 gives you more flexibility in projector location and orientation as it can run in any orientation. Thanks to its wide array of all-glass lenses and wide lens shift ranges, the F80-Q9 accommodates almost any projector configuration.



Projector type Single chip DLP laser phosphor projector Recolution 2.716 x 1.600 (WOXGA+ native) Brightness 8,000 center lumen ⁴ 8,800 and lumen 8,800 and lumen 8,800 and lumen 8,900 foo lumen Contrast ratio 1.2001 sequendal 10,0001 dynamic ** Brightness unformity >90% Aspect ratio 16.10 Lens type CuD/FLDX/FLD+(lens adapter needed) Optical lens shift Vertical up to 12%, depending on lens Motorized room shift (with position memory on CLD and FLDX lenses) Motorized room shift (with position memory on CLD and FLDX lenses) Color correction P? RealColor TM Cl (constant light output) Yes Light source 12000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in Silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in Silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life in sinter mode, > 40000 h in long life in sinter mode, > 40000 h in lo	PRODUCT SPECIFICATIONS	F80-Q9
Brightness 9.000 center lumen* 8.500 and lumen 9.600 ISO lumen Contrast ratio 1.200.1 sequential. 10.000.1 dynamic ** Brightness uniformity > 90% Aspect ratio 16.10 Lens type GLD/FLDX/FLD+(lens adapter needed) Optical lens shift Vertical up to 125%, depending on lens. Horizontal up to 50%, depending on allens. Motorized long and focus (with lens memory on GLD and FLDX lenses) Motorized long and focus (with lens memory on all lenses) Color correction P7 RealColor ^{IM} CL0 (constant light output) Yes Light source Laser phosphor Light source lifetime > 20000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in night rightness mode Sealed DLPM core Yes Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D / Passive stereo compatible Image processing Embedded warp & blend engine Keystone correction Yes Input resolutions Up to AK UHD gc 60Hz / Up to 2,560 x 1,600 gc 120Hz refersh rates: 24Hz to 120Hz for WOXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2360/ 3860 x 2400) Software tools Projector Toolbet Control IR, R5232, RJ45, XLR wired	Projector type	Single chip DLP laser phosphor projector
8 300 ansi lumen 9,600 ISO lumen Contrast ratio 1,200 1 sequential, 10,000 1 dynamic ** Brightness uniformity > 90% Aspect ratio 15.10 Lens type GLD/FLDX/FLD+(lens adapter needed) Optical lens shift Vertical up to 125%, depending on lens Horizontal up to 50%, depending on lens Motorized zoom and focus (with lines memory on CLD and FLDX lenses) Motorized zoom and focus (with lines memory on all lenses) Color correction P7 RealColor™ CLO (constant light output) Yes Light source Laser phosphor Light source lifetime > 20000 h in normal mode, > 12000 h in slient mode, > 40000 h in long life mode, > 12000 h in high brightness mode Sealed DLP™ core Yes Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D / Passive stereo compatible Image processing Fmbedded warp fi blend engine Keystone correction Yes Input resolutions Up to 4K UHD ge 60Hz / Up to 2,560 x 1,600 ge 120Hz refresh rates: 24Hz to 120DHz for WOXGA+ (27L5x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/3800 x 2400) Software tools Projector Toolset Correction Horizontal Kindout*, R5232, RU4S, XLR wired	Resolution	2,716 x 1,600 (WQXGA+ native)
Brightness uniformity > 90% Aspect ratio 16:10 Lens type GLD/FLDX/FLD+Ilens adapter needed) Optical lens shift Vertical up to 125%, depending on lens Horizontal up to 50%, depending on lens Motorized zoom and focus (with lens memory on GLD and FLDX lenses) Motorized lens shift (with position memory on all lenses) Color correction P7 RealColor TM CL0 (constant light output) Yes Light source Laser phosphor Light source lifetime > 20000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in high brightness mode Sealed DLPPM core Yes Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D / Passive stereo compatible Image processing Embedded warp 6 blend engine Keystone correction Yes Inputs 126-SDI, 2x DP 12, 2x dual link DV-D; HDBaseT, HDM120 (HDCP22, HDR10), RJ 45 Ethernet, DMX in/out*, RS232 in, 2x USB, 12V out Input resolutions Up to 4K UHD (@ 60H2 / Up to 2,560 x 1,600 @ 120H2 refersh rates: 24H2 to 120H2 for WOXCA+ (2216x1600) and 24H2 to 60H2 for 4K/4KUHD (4096 x 2160/ 3860 x 2400) Software tools Projector Toolset Corrol IR, RS232, RJ45, XLR wired	Brightness	8,500 ansi lumen
Aspect ratio 1610 Lens type GLD/FLDX/FLD+llens adapter needed) Optical lens shift Vertical up to 125%, depending on lens Horizontal up to 50%, depending on lens Motorized zoom and focus (with lens memory on GLD and 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 > 20000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in high brightness mode Sealed DLP™ core Yes Orientation 360* rotation, no restrictions 3D Active stereoscopic 3D / Passive stereo compatible Image processing Embedded warp & blend engine Keystone correction Yes Inputs 12G-SDI, 2x DP 12, 2x dual link DVI-D, HDBaseT, HDMI2.0 (HDCP2.2, HDR10), RJ 45 Ethernet, DMX in/out*, R5232 in, 2x USB, 12V out Input resolutions Up to 4K UHD & 60H2 / Up to 2,560 x 1,600 & 120H2 refresh rates: 24H2 to 120H2 for WOXGA+ (27)Ex1500) and 24H2 to 60H2 for 4K/4KUHD (4096 x 2160/ 38B0 x 2400) Software tools Projector Toolset Control H, R5232, RJ45, XLR wired	Contrast ratio	1,200:1 sequential, 10,000:1 dynamic **
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Optical lens shift Vertical up to 125%, depending on lens Motorized zoom and focus (with lens memory on GLD and FLDX lenses) Motorized lens shift (with position memory on all lenses) Color correction P7 RealColor TM CLO (constant light output) Yes Light source Laser phosphor Light source lifetime > 20000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in silent mode, > 1200 h in silent	Aspect ratio	16:10
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CLO (constant light output)YesLight sourceLaser phosphorLight source lifetime> 20000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in high brightness modeSealed DLP™ coreYesOrientation360° rotation, no restrictions3DActive stereoscopic 3D / Passive stereo compatibleImage processingEmbedded warp & blend engineKeystone correctionYesInputs12G-SDI, 2x DP 1.2, 2x dual link DVI-D, HDBaseT, HDMI2.0 (HDCP2.2, HDR10), RJ 45 Ethernet, DMX in/out*, RS232 in, 2x USB, 12V outInput resolutionsUp to 4K UHD (a 60Hz / Up to 2,560 x 1,600 (a 120Hz refresh rates: 24Hz to 120Hz for WQXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400)Software toolsProjector ToolsetControlIR, RS232, RJ45, XLR wired	Optical lens shift	Horizontal up to 50%, depending on lens Motorized zoom and focus (with lens memory on GLD and FLDX lenses)
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Light source lifetime > 20000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in high brightness mode Sealed DLP™ core Yes Orientation 360° rotation, no restrictions 3D Active stereoscopic 3D / Passive stereo compatible Image processing Embedded warp & blend engine Keystone correction Yes Inputs 12G-SDI, 2x DP 12, 2x dual link DVI-D, HDBaseT, HDMI2.0 (HDCP2.2, HDR10), RJ 45 Ethernet, DMX in/out*, RS232 in, 2x USB, 12V out Input resolutions Up to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz refresh rates: 24Hz to 120Hz for WOXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400) Software tools Projector Toolset Control IR, RS232, RJ45, XLR wired	CLO (constant light output)	Yes
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Image processingEmbedded warp & blend engineKeystone correctionYesInputs12G-SDI, 2x DP 1.2, 2x dual link DVI-D, HDBaseT, HDMI2.0 (HDCP2.2, HDR10), RJ 45 Ethernet, DMX in/out*, RS232 in, 2x USB, 12V outInput resolutionsUp to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz refresh rates: 24Hz to 120Hz for WQXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400)Software toolsProjector ToolsetControlIR, RS232, RJ45, XLR wired	Orientation	360° rotation, no restrictions
Keystone correctionYesInputs12G-SDI, 2x DP 1.2, 2x dual link DVI-D, HDBaseT, HDMI2.0 (HDCP2.2, HDR10), RJ 45 Ethernet, DMX in/out*, RS232 in, 2x USB, 12V outInput resolutionsUp to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz refresh rates: 24Hz to 120Hz for WQXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400)Software toolsProjector ToolsetControlIR, RS232, RJ45, XLR wired	3D	Active stereoscopic 3D / Passive stereo compatible
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Ethernet, DMX in/out*, RS232 in, 2x USB, 12V outInput resolutionsUp to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz refresh rates: 24Hz to 120Hz for WQXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400)Software toolsProjector ToolsetControlIR, RS232, RJ45, XLR wired	Keystone correction	Yes
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Control IR, RS232, RJ45, XLR wired	Input resolutions	refresh rates: 24Hz to 120Hz for WQXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x
	Software tools	Projector Toolset
Network connection 10/100 Ethernet, RJ45	Control	IR, RS232, RJ45, XLR wired
	Network connection	10/100 Ethernet, RJ45

PRODUCT SPECIFICATIONS	F80-Q9
Power requirements	100-240V / 50-60Hz
Power consumption	950 W nominal, 1,100 W maximum
24/7 operation	Yes
BTU per hour	3,250 BTU/h nominal, 3,800 BTU/h maximum
Standby power	
Throw Ratio	0.85 -1.06 ; 1.06 -1.43 ; 1.43 -2.12 ; 2.12 -3.18 and compatible with FLD/FLD+ series (with adapter)
Noise level (typical at 25°C/77°F)	35 dB(A)
Operating temperature	10°C (50°F)-40°C (104°F) (up to 1500m altitude) / 10° (50°F) -35°C (95°F) (up to 3000m altitude)
Storage temperature	-20 to 60 °C
Operating humidity	20 -80% RH (non-condensed)
Storage -transport humidity	20 -90% RH (non-condensed)
Dimensions (WxLxH)	480 x 680 x 227 mm / 18.9 x 26.7 x 8.9 in
Weight	25.5 kg / 56.2 lbs
Standard accessories	Power cord, wireless remote control
Certifications	CE, FCC Class A, cNemkoUS, CCC, EAC, KSA, RCM, UkrSEPRO
Warranty	Limited 3 years parts and labor. Extendable up to 5 years
*	* When measured with the GLD 1.43-2.12:1 lens in Wide Angle ** SW upgradable. Please contact an authorized Barco representative for details.

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

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