

# F80-4K9

9,000 lumens, 4K UHD, 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 F80-4K9 delivers stunning images at 4K UHD resolution with a high level of detail, and 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 cost-savings on maintenance and consumables.

### **Ultimate installation flexibility**

The F80-4K9 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 F80-4K9 accommodates almost any projector configuration.

**PRODUCT SPECIFICATIONS****F80-4K9**

Projector type	4K Single chip DLP laser phosphor projector
Resolution	3,840 x 2,400 (4K UHD) / 2,560 x 1,600 (WQXGA native)
Brightness	9,000 center lumens*
Contrast ratio	1,200:1 sequential, 10,000:1 dynamic**
Brightness uniformity	95%
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 125% shift, depending on lens. Motorized zoom, focus, vertical and horizontal shift
Color correction	P7 RealColor™
CLO (constant light output)	Yes
Light source	Laser phosphor
Light source lifetime	Up to 40,000 hours, depending on mode of operation***
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 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 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	950 W nominal, 1100 W maximum
BTU per hour	3,250 BTU/h nominal, 3,800 BTU/h maximum
Standby power	
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

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Operating humidity	20-80% RH (non-condensed)
Storage 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

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\* When measured with the GLD 1.43-2.12:1 lens in Wide Angle

\*\* SW upgradable. Please contact an authorized Barco representative for details.

\*\*\* When used in long-life mode, available through SW upgrade.

\*\*\*\* When used in silent 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.