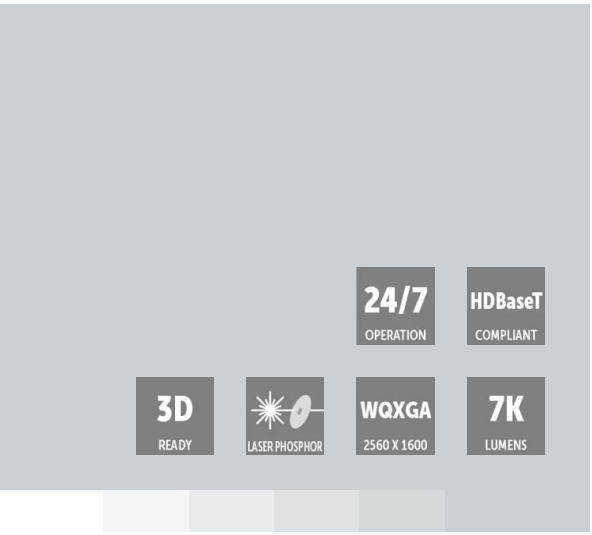
F80-Q7

7,000 lumens, WQXGA, DLP laser phosphor projector



- **Stunning images with superb color performance**
- **Ultimate installation flexibility**
- **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-Q7 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 cost-savings on maintenance and consumables.

Ultimate installation flexibility

The F80-Q7 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-Q7 accommodates almost any projector configuration.

Product specifications	F80-Q7
General specifications	
Projector type	Single-chip DLP laser phosphor projector
Resolution	2,716 x 1,600 (WQXGA+ native)
Brightness	7,000 center lumen* 6,600 ansi lumen 7,500 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 lens Motorized zoom and focus (with lens memory on GLD and FLDX lenses) Motorized lens shift (with position memory on all lenses)
Color space	Rec. 709
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 1.2, 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 WQXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400)
Software tools	Projector Toolset

Product specifications	F80-Q7
Control	IR, RS232, RJ45, XLR wired
Network connection	10/100 Ethernet, RJ45
Power requirements	100-240V / 50-60Hz
Power consumption	700 W nominal, 850 W maximum
BTU per hour	2,400 BTU/h nominal, 2,900 BTU/h maximum
Standby power	
24/7 operation	Yes**
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 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 on parts and labor(***) Extendable up to 5 years.
*	* When measured with the GLD 1.43-2.12:1 lens in Wide Angle ** For optimal performance, switch off the projector regularly. For details please consult the manual. *** Except on light source: 20,000 hours in normal mode, or 3 years, whichever comes first.

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