F80-Q12

12,000 lumens, WQXGA, DLP laser phosphor projector

24/7 OPERATION

HDBaseT COMPLIANT

3D READY

LASER PHOSPHOR

WQXGA 2560 X 1600

12K LUMENS

- **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-Q12 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-Q12 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-Q12 accommodates almost any projector configuration.

BARCO

PRODUCT SPECIFICATIONS	F80-Q12
Projector type	Single-chip DLP laser phosphor projector
Technology	0.67" DMD™ x1
Resolution	2,716 x 1,600 (WQXGA+ native)
Brightness	11,300 center lumen 10,700 ansi lumen 12,000 ISO lumen
Contrast ratio	1,200:1 sequential, 10,000:1 dynamic**
Brightness uniformity	> 90%
Aspect ratio	17:10 native
Blend	horizontal and vertical edge blending
Lens type	GLD / FLD+ (lens adapter needed) / FLDX (lens adapter needed)
Lens range	GLD-range: 0.8 -1.0 ; 1.0 -1.35 ; 1.35 -2.0 ; 2.0 -3.0
Screen size	max 20m
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™
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 -standard
Optical dowser	laser dimming
Orientation	360° rotation, no restrictions
DMX 512	Standard
Image processing	Embedded warp & blend engine direct adjust OSD + Ptoolset
Web browser	integrated
CLO (constant light output)	Yes
3D	Active stereoscopic 3D / Passive stereo compatible max WQXGA @120Hz
Keystone correction	Yes
Inputs	HDMI2.0 (HDCP2.2, HDR10) / 2x DP 1.2 / 12G-SDI /2x dual link DVI-D / HDBaseT / 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
Control	IR, RS232, RJ45, XLR wired
24/7 operation	Yes
Network connection	10/100 Ethernet, RJ45
Power requirements	100-240V / 50-60Hz
Power consumption	1050 W nominal, 1200 W maximum
Standby power	< 0.5W
Noise level (typical at 25°C/77°F)	35 dB(A) when used in silent mode / 39 dB(A) in normal mode

PRODUCT SPECIFICATIONS	F80-Q12
Operational ambient temperature	0°-35°C / 32°-95°F
Storage temperature	-20 to 60 °C
operation humidity no condens	0%-80%
Storage humidity	20 -90% RH (non-condensed)
Dissipation BTU	max 4100 BTU/h
Dimensions (WxLxH)	480 x 680 x 227 mm / 18.9 x 26.7 x 8.9 in
Weight	26.8 kg / 59.1 lbs (without lens)
Shipping dimensions (WxLxH)	583 x 784 x 444 mm / 23.0 x 30.9 x 17.5 inch
Shipping weight	38.5 kg / 81.6 lbs
Standard accessories	Power cord, wireless/XLR wired rugged remote control
Certifications	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS
Warranty	3 years*
Notes	* except on light source: 20.000 hrs in normal mode or 3 years ** SW upgradable. Please contact an authorized Barco representative for details.

Last updated: 16 Apr 2020

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