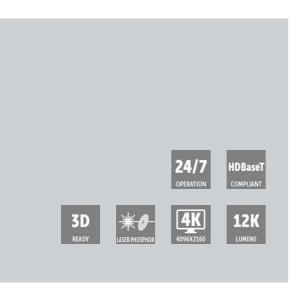
F80-4K12

12,000 lumens, 4K UHD, DLP laser phosphor projector





- Stunning images with Rec. 709 color gamut
- 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 F80-4K12 delivers stunning images at 4K UHD resolution with a high level of detail, and highly saturated colors that meet the Rec. 709 color space. 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 F80-4K12 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 F80-4K12 accommodates almost any projector configuration.



General specifications ** 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. Single-chip_DLP (0.67°) laser phosphor projector 0.67° DMDTM xl 3,840 x 2,400 (4K UHD) / 2,716 x 1,600 (WQXGA+ native) 11,300 center lumens Projector type Technology Resolution Brightness 10,700 ANSI lumens 12,000 ISO lumens Brightness uniformity Contrast ratio Light source Laser prospnor > 20000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in high brightness mode 17/10 native Rec. 709 360° rotation, no restrictions Vac Light source Light source lifetime Aspect ratio Color space Orientation Orientation Sealed DLPTM core 24/7 operation Color correction CLO (constant light output) Keystone correction Yes Yes** P7 RealColor™ Yes Embedded warp & blend engine direct adjust OSD + Ptoolset Active stereoscopic 3D / Passive ste max WOXGA @120Hz Image processing 3D max WOXGA (a120Hz GLD / FLDH (lens adapter needed) / FLDX (lens adapter needed) 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 zoom and focus (with lens memory on all lenses) GLD-range: 0.8 ± 10 ; 1.0 ± 1.35 ± 2.0 ; 2.0 ± 3.0 Laser dimming HDMI2.0 (HDCP2.2, HDR10) / 2x DP 1.2 / 12G in (and 12G loop through) /2x dual link DVI-D / HDBaseT From VGA up to 4K (4096 x 2160) refresh rates: Lens type Optical lens shift

F80-4K12

Dissipation BTU	max 4100 BTU/h
Noise level (typical at 25°C/77°F)	35 dB(A) when used in silent mode / 39 dB(A) in normal mode
Operational ambient temperature	0°-35°C / 32°-95°F
Operating humidity	0% -80% RH (non-condensed)
Storage temperature	-20 to 60 °C
Storage humidity	20 -90% RH (non-condensed)
Dimensions (WxLxH)	480 x 680 x 227 mm / 18.9 x 26.7 x 8.9 in (without feet)
Weight	26.8 kg / 59.1 lbs (without lens)
Shipping Dimensions	583 x 754 x 444 mm / 23.0° x 30.9° x 17.5°
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	Limited 3 years on parts and labor(***)
	Extendable up to 5 years.
Blend	horizontal and vertical edge blending
Screen size	max 20m
Color reproduction	P3 DCI (98%) with P7 color correction
DMX 512	Standard

1050 W nominal, 1200 W maximum

< 0.5W max 4100 BTU/h

24Hz to 120Hz for WQXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400)

Last updated: 30 May 2024

Product specifications

Lens range
Optical dowser
Inputs
Input resolutions

Software tools Control Network connection
Power requirements
Power consumption

Standby power
Dissipation BTU
Noise level (typical at 25°C/77°F)
Operational ambient temperature

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