

# 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.

## Product specificaties

## F80-4K12

### General specifications

Opmerkingen	* 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.
Type projector	Single-chip DLP (0.67") laser phosphor projector
Technologie	0.67" DMD™ x1
Resolutie	3,840 x 2,400 (4K UHD) / 2,716 x 1,600 (WQXGA+ native)
Helderheid	11,300 center lumens  10,700 ANSI lumens  12,000 ISO lumens
Helderheidsuniformiteit	> 90%
Contrastverhouding	1,200:1 sequential, 10,000:1 dynamic*
Lichtbron	Laser phosphor
Levensduur lichtbron	> 20000 h in normal mode, > 12000 h in silent mode, > 40000 h in long life mode, > 12000 h in high brightness mode
Beeldverhouding	17:10 native
Kleuruimte	Rec. 709
Oriëntatie	360° rotation, no restrictions
Verzegelde DLP™-kern	Yes
24/7 operation	Yes**
Kleurcorrectie	P7 RealColor™
CLU (constante lichtuitvoer)	Yes
Trapeziumcorrectie	Yes
Beeldverwerking	Embedded warp & blend engine direct adjust OSD + Ptoolset
3D	Active stereoscopic 3D / Passive stereo compatible max WQXGA @120Hz
Type lens	GLD / FLD+ (lens adapter needed) / FLDX (lens adapter needed)
Optische lensverschuiving	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)
Lensbereik	GLD-range: 0.8-1.0 ; 1.0-1.35 ; 1.35-2.0 ; 2.0-3.0
Optische dowser	Laser dimming
Ingangen	HDMI™ 2.0 (HDCP2.2, HDR10) / 2x DP 1.2 / 12G in (and 12G loop through) / 2x dual link DVI-D / HDBaseT
Invoerresoluties	From VGA up to 4K (4096 x 2160) refresh rates: 24Hz to 120Hz for WQXGA+ (2716x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160 / 3860 x 2400)
Softwaretools	Projector Toolset
Controle	TCP-IP / IR / RS-232 / XLR wired
Netwerkverbinding	10/100 Base-T, RJ-45 connector
Voedingsvereisten	100-240V / 50-60Hz
Energieverbruik	1050 W nominal, 1200 W maximum
Stroom in stand-by	< 0.5W
Dissipatie BTU	max 4100 BTU/h
Geluidsniveau (standaard bij 25°C/77°F)	35 dB(A) when used in silent mode / 39 dB(A) in normal mode
Operationele omgevingstemperatuur	0°-35°C / 32°-95°F
Vochtigheid in bedrijf	0% -80% RH (non-condensed)
Opslagtemperatuur	-20 to 60 °C
Vochtigheid bij opslag	20 -90% RH (non-condensed)
Afmetingen (B x L x H)	480 x 680 x 227 mm / 18.9 x 26.7 x 8.9 in (without feet)
Gewicht	26.8 kg / 59.1 lbs (without lens)
Verzendingsafmetingen	583 x 754 x 444 mm / 23.0" x 30.9" x 17.5"
Verzendgewicht	38.5 kg / 81.6 lbs
Standaardaccessoires	Power cord, wireless/XLR wired rugged remote control
Certificeringen	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS
Garantie	Limited 3 years on parts and labor(***) Extendable up to 5 years.
Overvloeien	horizontal and vertical edge blending
Scherfmaat	max 20m
Kleurenreproductie	P3 DCI (98%) with P7 color correction
DMX 512	Standard

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