

FL40-4K MKII

Rock-solid and powerful 4K LED projector



- Extreme detail up to 4K (3840 x 2400) resolution
- True solid-state and ruggedized
- Brighter LEDs with exceptional color fidelity
- 100-0% LED dimming for training at any time
- Barco Pulse software ensures powerful processing and lowest latency
- Also available: FS40-4K MKII with dedicated IR LED for NVG training

The FL40-4K MKII is the latest in the line of true solid-state simulation-ready projectors from Barco. Combining LED illumination technology with Barco Pulse electronics performance, the FL40 delivers visual excellence and extreme reliability with a low TCO. Dual iris and optical filters ensure optimal contrast and deeper black levels for best in class image clarity. Designed for the most demanding simulation environments, the FL40 delivers a vision to trust.

Extreme reliability in all situations

Using the latest LED illumination, the FL40 produces high brightness images with optimal clarity and color gamut. The FL40-4K is a native WQXGA resolution projector and uses the performance of Barco Pulse to show images up to 4K resolution (3840 x 2400). Thanks to the Single Step Processing (SSP®) technology in Barco Pulse the FL40 benefits from built-in warp and blend, high resolution images at higher frame rates with lower latency than competing technology.

The Barco FL40 is a true solid-state projector designed for motion platforms with no moving parts. It is rock solid designed for shock and vibration. Its solid magnesium alloy baseplate act as mounting plate. Coupled with an array of mounting points in the front and on the top cabinet, they make this projector solid as rock and perfectly suited for use on motion platforms in any orientation.

Lowest TCO

The FL40 uses a proven DLP® sealed optical engine and the latest solid-state LED illumination. Simulator operators can benefit from reduced Total Cost of Ownership (TCO) with extended maintenance cycles and no lamp changes or color adjustments for up to 50,000hrs. Barco Constant Light Output (CLO) functionality ensures predictability in linear brightness performance over the life of the projector. Additional protection is available when using new intelligent high-efficiency air filters for installations in dusty and harsh environments.

TECHNISCHE SPECIFICATIES**FL40-4K MKII**

Helderheid	2,600 ANSI Lumens minimum 2,870 ANSI Lumens typical
Contrastverhouding	1800-6000:1
Infrarood voor nachtkijkers	no
Helderheidsuniformiteit	90%
Beeldverhouding	16:10
Type projector	1DLP RGB LED
Resolutie	3,840 x 2,400 (4K) / 2,560 x 1,600 (native)
Type lens	FLD+/FLDX
Optische lensverschuiving	Vertical up to 146%, depending on lens Horizontal up to 70%, depending on lens Motorized zoom and focus (+ lens memory FLDX lenses) Motorized lens shift (with position memory on all lenses)
Kleurcorrectie	P7 RealColor™
CLU (constante lichtuitvoer)	Yes
Lichtbron	RGB LED
Levensduur lichtbron	Up to 50,000 hours
Verzegelde DLP™-kern	Yes
Oriëntatie	360° rotation, no restrictions
3D	Active stereoscopic 3D
Beeldverwerking	Embedded warp & blend engine
Trapeziumcorrectie	Yes
Ingangen	2x DP1.2 2x dual link DVI-I HDBaseT upgradable HDMI 2.0 (HDCP2.2, HDR10) RJ 45 Ethernet RS232 in 2x USB 12v out
Invoeresoluties	Including and up to: 3,840 x 2,400 @ 60Hz 3,840 x 2,160 @ 60Hz 4,096 x 2,160 @ 60Hz 2,560 x 1,600 @ 120Hz
Kleurdiepte invoeren	DVI: Including and up to 2560x1600@60Hz 8 bit RGB and 3840x2400@50Hz 8 bit RGB DisplayPort: Including and up to 2560x1600@120Hz 12 bit RGB and 3840x2400@60Hz 8 bit RGB
Softwaretools	Projector Toolset
Controle	IR, RS232, RJ45
Netwerkverbinding	IR, RS232, RJ45
Voedingsvereisten	100-240V / 50-60Hz
Energieverbruik	500 W typical, 570 W maximum
BTU/uur	1,707 BTU/h typical, 1,945 BTU/h max
Geluidsniveau (standaard bij 25°C/77°F)	33 dB(A)
Bedrijfstemperatuur	10 -40 °C (sea level)
Opslagtemperatuur	-20 to 60 °C
Vochtigheid in bedrijf	20 -80% RH
Vochtigheid bij opslag	10 -90% RH
Afmetingen (B x L x H)	450 x 457 x 244 mm / 17,7 x 18,0 x 9,6 in
Gewicht	21,5 kg / 47,4 lbs
Standaardaccessoires	Power cord, wireless remote control
Certificeringen	CE, FCC Class A and cNus
Garantie	Limited 5 years parts and labor, extendable

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