

F70-4K6

4K UHD laser phosphor projector



LASER PHOSPHOR



CONSTANT
LIGHT OUTPUT

24/7
OPERATION

PULSE
PROCESSING

1
CHIP
DLP

4K
UHD



- 4K UHD resolution
- Durable and robust for 24/7 operation
- High brightness

The F70-4K6 is a laser phosphor projector with native WQXGA and up to 4K UHD resolution. The F70 series answers to the simulation and ProAV market's specific requirements - including high robustness, longer lifetime, and laser-sharp image quality. Projectors that do not meet these demands don't last long or require frequent and expensive maintenance.

Fitted with protective metal, Barco's F70 withstands a motion platform's rapid and sudden movements, making it the perfect choice for theme parks. With a lifetime of up to 50,000 hours (depending on the mode of operation), the F70 is one of the most durable projectors on the market and is ready for service in the most demanding environments.

Designed for 24/7 use

The F70 is designed for performance and reliability. Capable of running in any orientation, the F70 projectors offer more installation flexibility. All of Barco's F-series projectors feature the same high-resolution FLD and FLD+ lenses so that you can reuse your lenses.

Brighter, better

With brightness levels of 5,400 lumens, the F70-4K6 is one of the brightest single-chip DLP projectors on the market with 4K UHD resolution. With the Constant Light Output (CLOTM) functionality, the projector produces constant brightness and color over a long period of time. And thanks to Barco's unique and proprietary Single Step Processing (SSPTM) technology, the F70 achieves 4K UHD resolution in only one step. So, you benefit from a sharper image and much higher overall image quality with less latency.

Product specifications**F70-4K6****General specifications**

Brightness	5,400 Typical ANSI Lumens
Contrast ratio	1,800 – 6,000:1 sequential
IR for NVG	no
Brightness uniformity	90%
Aspect ratio	16:10 native
Projector type	1DLP laser phosphor
Resolution	3,840 x 2,400 / 3,840 x 2,160 / 2,560 x 1,600 (native)
Lens type	FLD-series
Optical lens shift	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)
Color correction	P7 RealColor™
CLO (constant light output)	Yes
Light source	Laser phosphor
Light source lifetime	Minimum 25,000 hours @ full power Up to 50,000 hours, depending on mode of operation
Sealed DLP™ core	Yes
Orientation	360° rotation, no restrictions
3D	Active stereoscopic 3D
Image processing	Embedded warp & blend engine
Keystone correction	Yes
Inputs	HDSDI 2x DP1.2 2x dual link DVI-I HDBaseT HDMI™ 2.0 (HDCP2.2, HDR10) RJ 45 Ethernet DMX in/out RS232 in 2x USB 12v out
Input resolutions	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 refresh rates: 24Hz to 120Hz for WQXGA (2560x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400)
Input color depth	Up to 12-bit, depending on configuration
Software tools	Projector Toolset
Control	IR, RS232, RJ45
Network connection	IR, RS232, RJ45
Power requirements	100-240V / 50-60Hz
Power consumption	743 W nominal, 1100 W maximum
BTU per hour	Max 4,000 BTU/h
Noise level (typical at 25°C/77°F)	36 dB(A)
Operating temperature	10 -40 °C (sea level)
Storage temperature	-20 to 60 °C
Operating humidity	20 -80% RH
Storage humidity	10 -90% RH
Dimensions (WxLxH)	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
Weight	37 kg / 81,5 lbs
Standard accessories	Power cord, wireless remote control
Certifications	CE, FCC Class A and cNus
Warranty	Limited 5 years parts and labor, extendable

Last updated: 27 Jun 2025

© 2025 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.