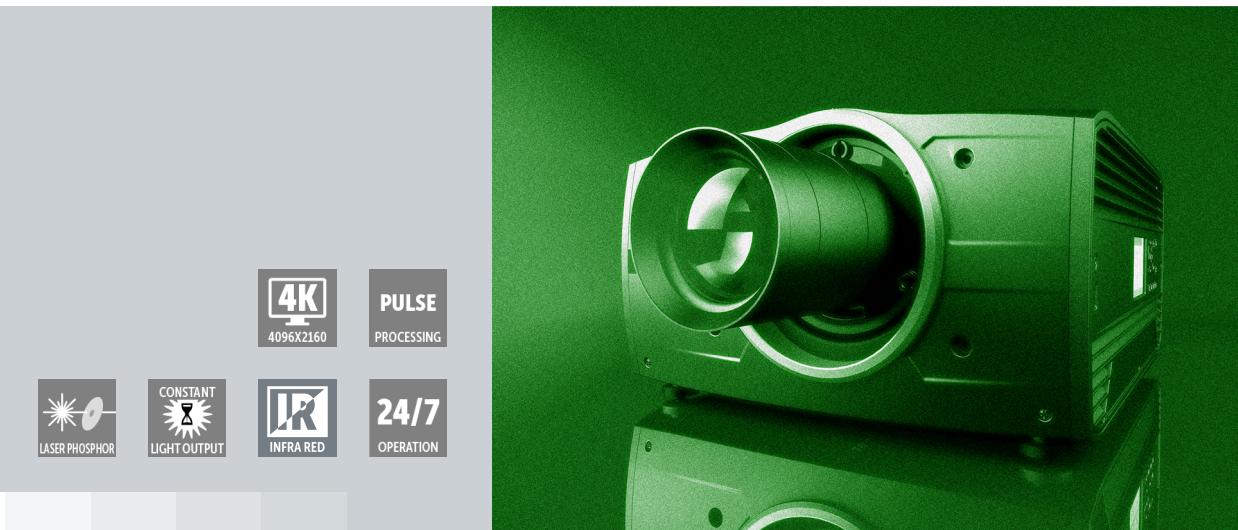


# FS70-4K4

4K laser-phosphor projector with IR for NVG stimulation



- **Up to 4K (3,840 x 2,400) resolution**
- **IR for Night Vision Goggles stimulation**
- **Durable and robust for 24/7 operation**
- **Improved motion Smear Reduction Processing (SRP)**
- **Long lifetime up to 60,000 hours (depending on mode of operation)**

The FS70-4K4, powered by Barco Pulse image processing, is a 4,000-lumen addition to the flagship F70 laser-phosphor series with native WQXGA and up to 4K (3,840 x 2,400) resolution. This version comes with an added built-in IR LED light source to stimulate NVG for training at nighttime. It comes with improved performance for fast moving content, as well as improved color-to-white ratio, intended for high-demanding applications. Designed specifically for the simulation market's tough requirements it is robust and reliable, with an outstanding image quality.

#### Training with NVG

The FS70-4K4 has an added built-in IR LED light source to stimulate NVG for training at nighttime with IR transmission optimized at 740nm. It allows for full individual control of both the visual and IR light intensity, making sure the projector is tuned exactly to the trainee's scenery needs. The dual iris built into the projector ensure improved contrast and deeper black levels for the most realistic image reproduction.

#### 24/7 operation for Low Total Cost of Ownership (TCO)

Designed for the motion platform's rapid and sudden movements, it is the perfect choice for any type of applications that need a robust visual system that last over time and can be operated 24/7. With a lifetime of up to 60,000 hours\* coupled with long service intervals, the F70-series is one of the most durable projectors on the market and make sure the training time is maximized.

#### Optimized for smooth image performance

The FS70-4K4's powerful and improved Motion Smear Reduction Processing (SRP) is optimized to remove the typical challenges occurring when viewing fast-moving content, e.g. when an aircraft is rolling, pitching, or banking. Combined with an improved color-to-white ratio, the user will experience increased brightness in colors, better color performance across moving images and deeper black levels for an impeccable reproduction of scenes. The SRP feature will also have a positive impact on lifetime.

\*Depending on the mode of operation

**PRODUCT SPECIFICATIONS****FS70-4K4**

<b>Brightness</b>	3,800 ANSI Lumens minimum
<b>Contrast ratio</b>	1800:1 sequential, 50,000:1 dynamic
<b>IR for NVG</b>	yes
<b>Brightness uniformity</b>	90%
<b>Aspect ratio</b>	16:10
<b>Projector type</b>	1DLP laser phosphor
<b>Resolution</b>	3,840 x 2,400 / 3,840 x 2,160 / 2,560 x 1,600 (native)
<b>Lens type</b>	FLD-series
<b>Optical lens shift</b>	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)
<b>Color correction</b>	P7 RealColor™
<b>CLO (constant light output)</b>	Yes
<b>Light source</b>	Laser phosphor
<b>Light source lifetime</b>	Up to 60,000 hours, depending on mode of operation
<b>Sealed DLPTM core</b>	Yes
<b>Orientation</b>	360° rotation, no restrictions
<b>3D</b>	Active stereoscopic 3D
<b>Image processing</b>	Embedded warp & blend engine (Barco Pulse)
<b>Keystone correction</b>	Yes
<b>Inputs</b>	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
<b>Input resolutions</b>	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
<b>Software tools</b>	Projector Toolset
<b>Control</b>	IR, RS232, RJ45
<b>Network connection</b>	IR, RS232, RJ45
<b>Power requirements</b>	100-240V / 50-60Hz
<b>Power consumption</b>	743 W nominal, 1100 W maximum
<b>BTU per hour</b>	Max 4,000 BTU/h
<b>Noise level (typical at 25°C/77°F)</b>	36 dB(A)
<b>Operating temperature</b>	10 -40 °C (sea level)
<b>Storage temperature</b>	-20 to 60 °C
<b>Operating humidity</b>	20 -80% RH
<b>Storage humidity</b>	10 -90% RH
<b>Dimensions (WxLxH)</b>	475 x 593 x 286 mm / 18.7 x 23.3 x 11.2 in
<b>Weight</b>	37 kg / 81.5 lbs
<b>Standard accessories</b>	Power cord, wireless remote control
<b>Certifications</b>	CE, FCC Class A and cNus
<b>Warranty</b>	Limited 3 years parts and labor. Extendable up to 5 years

**Last updated: 29 Sep 2020**Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.