

# F70-4K6

4K UHD laser phosphor projector



- 4K UHD resolution
- Durable and robust for 24/7 operation
- High brightness
- Long lifetime (up to 60,000 hours)

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 60,000 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 5,000 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**

|                             |                                                                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brightness                  | 4800 ANSI Lumens minimum<br>5,400 ANSI Lumens typical                                                                                                                                                  |
| Contrast ratio              | 1800:1 sequential, 50,000:1 dynamic                                                                                                                                                                    |
| 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<br>Horizontal up to 70%, depending on lens<br>Motorized zoom and focus (+ lens memory FLDX lenses)<br>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       | Up to 60,000 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<br>2x DP1.2<br>2x dual link DVI-I<br>HDBaseT<br>HDMI2.0 (HDCP2.2, HDR10)<br>RJ 45 Ethernet<br>DMX in/out<br>RS232 in<br>2x USB<br>12v out                                                        |

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|                                           |                                                                                                                                                                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input resolutions</b>                  | Including and up to:<br>3,840 x 2,400 @ 60Hz<br>3,840 x 2,160 @ 60Hz<br>4,096 x 2,160 @ 60Hz<br>2,560 x 1,600 @ 120Hz<br>refresh rates: 24Hz to 120Hz for WQXGA (2560x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400) |
| <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: 03 Jun 2021

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