

# F70-W6

WUXGA laser phosphor projector



24/7  
OPERATION



- Durable and robust for 24/7 operation
- High brightness

The F70-W6 laser phosphor projector 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 5,900 lumens, the F70-W6 is one of the brightest single-chip DLP projectors on the market with WUXGA resolution. With the Constant Light Output (CLO™) functionality, the projector produces constant brightness and color over a long period of time.

**Product specifications****F70-W6****General specifications**

|                                    |                                                                                                                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brightness                         | 5,900 Typical ANSI Lumens                                                                                                                                                                              |
| Contrast ratio                     | 1,800 – 6,000:1 sequential                                                                                                                                                                             |
| IR for NVG                         | no                                                                                                                                                                                                     |
| Brightness uniformity              | 90%                                                                                                                                                                                                    |
| Aspect ratio                       | 16:10                                                                                                                                                                                                  |
| Projector type                     | 1DLP laser phosphor                                                                                                                                                                                    |
| Resolution                         | 1,920 x 1,200 (WUXGA)                                                                                                                                                                                  |
| Lens type                          | FLD-series                                                                                                                                                                                             |
| Optical lens shift                 | Vertical up to 134%, 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              | Minimum 25,000 hours @ full power<br>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<br>2x DP1.2<br>2x dual link DVI-I<br>HDBaseT<br>HDMI™ 2.0 (HDCP2.2, HDR10)<br>RJ 45 Ethernet<br>DMX in/out<br>RS232 in<br>2x USB<br>12v out                                                      |
| Input resolutions                  | Including and up to:<br>1,920 x 1,200 @ 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)                   |
| 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                                                                                                                                                            |

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