

F70-W8

WUXGA laser phosphor projector

PULSE
PROCESSING

LASER PHOSPHOR

CONSTANT
LIGHT OUTPUT

1
CHIP
DLP

24/7
OPERATION

8K
LUMENS



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

The F70-W8 laser phosphor projector answers to the 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 might require frequent and expensive maintenance.

Thanks to its rugged design Barco's F70 is motion platform capable, making it the perfect choice for theme parks, dark rides and the most demanding fixed installations. 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 8,000 lumens, the F70-W8 is one of the brightest single-chip DLP projectors on the market. With the Constant Light Output (CLOTM) functionality, the projector produces constant brightness and color over a long period of time.

Product specifications**F70-W8**

| General specifications | |
|-----------------------------|--|
| Brightness | 8,000 lumens |
| Contrast ratio | 1,800:1 sequential, 50,000:1 dynamic |
| 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/FLD+ |
| Optical lens shift | Vertical up to 134%, 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 | 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 2x DP1.2 2x dual link DVI-I HDBaseT HDMI2.0 (HDCP2.2, HDR10) RJ 45 Ethernet DMX in/out RS232 in 2x USB 12v out |
| Input resolutions | Including and up to: 1,920 x 1,200 @ 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) |

Product specifications**F70-W8**

| | |
|---|---|
| Input color depth | DVI: Native including and up to 1920x1200@120Hz 8 bit RGB. Non-native including and up to 2560x1600@60Hz 8 bit RGB and 3840x2400@50Hz 8 bit RGB DisplayPort: Native including and up to 1920x1200@120Hz 12 bit RGB. Non-native including and up to 2560x1600@120Hz 12 bit RGB and 3840x2400@60Hz 8 bit RGB |
| Software tools | Projector Toolset |
| Control | IR, RS232, RJ45 |
| Network connection | IR, RS232, RJ45 |
| Power requirements | 100-240V / 50-60Hz |
| Power consumption | 1,100 W Max. |
| 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 cCSAus |
| Warranty | Limited 5 years parts and labor, extendable |

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