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FL35 series

World's highest resolution LED DLP projector



Barco's FL35 projector has no lamp and no consumables and creates the world's most stunning image with a pixel precision of 2,560 x 1,600. With its 2nd generation LED illumination system, the FL35 shows the amazing picture at double the resolution and 50 % more brightness than any other LED-illuminated projector, for an unmatched 100,000 hours lifetime of the LED light source. With its 2,560 x 1,600 native resolution, brightness level of up 1,000 ANSI lumens and 24/7 operating time warranted for up to 5 years the FL35 excels in image quality and this LED projector has the highest resolution on the market. The FL35 will improve uptime and drastically reduce maintenance costs, operating costs, and technical resources, making sure you will never compromise the quality of your service.

Minimal Total Cost of Ownership

With no lamps, our 2nd generation patented solid state RealLED™ illumination provides up to 100,000 hours of life time expectancy. The projector has no re-calibration requirements, no color degradation and no foreseeable maintenance. This drastically improves your operation up-time and reduces operating costs and technical resources normally required with lamp-based projectors. Additionally, the FL35 has a low environmental footprint with its decreased power consumption. The 2nd generation Solid State LED consumes up to 75% less power compared to products of the same performance.

Unlimited installation flexibility

As it has no lamps, the FL35 can be placed in any orientation angle. With its comprehensive, and very high- quality projection lens options, and industry standard mounting, it greatly simplifies installations by keeping infrastructure cost down. There is only one cabinet, complete with optics, I/O, processing, and control. The complete system's weight is only 16 kg (35 lbs.), including mounted lens. The rugged projector can easily be integrated onto motion platforms or in simple truss systems in any orientation angle.

BARCO

Visibly yours

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Smooth imagery with Smear Reduction Processing™

Our unique frame rate processing and integrated adjustable SRP™ Smear Reduction Processing creates smooth and fluid imagery, perfect for all types of fast moving images.

Product specifications**FL35 series**

Technology	2nd Generation Solid State LED DLP® projector.
Concept	Single chip DLP, powered lens shift system.
3D capability	Active Stereo
3D glasses compatibility	IR / RF models
Resolution	WQXGA (2,560 x 1,600), WUXGA (1,920 x 1,200), 1080p (1,920 x 1,080)
Brightness	Up to 1,000 ANSI lumens (Infinitely adjustable)
Contrast	Up to 8,000 : 1 (Infinite contrast and total black with Dynamic Black enabled)
Aspect ratio	16:10 (WQXGA), 16:10 (WUXGA), 16:9 (1080p)
Display colors	30-bit
Latency	~19 ms
Computer graphics formats	2,560 x 1,600 - 640 x 480
Horizontal scan frequencies	15 - 150 kHz (resolution dependant)
Vertical scan frequencies	48 - 190 Hz (resolution dependant)
Video formats	HDTV (1080p, 1080i, 720p), EDTV (576p, 480p), SDTV (576i, 480i)
Lens operation	Motorized zoom, Focus, Shift, Iris and Mechanical shutter
Image width	0.5 - 20 m
Light source	LED
Lamp lifetime	Up to 100.000 hours
Computer inputs	2 x DVI-D, 1 x VGA, 2 x HDMI 1.3a, 1 x XPort1, 1 x XPort2
Video Input	2 x HDMI 1.3a, 1 x YPbPr, 1 x Component
Control possibilities	1 x RJ-45 TCP/IP, 1 x 9-pin D-SUB RS232, 2 x USB
Dimensions	510 x 223 x 376 mm (WxHxD)
Weight	12.6 kg
Shipping Dimensions	520 x 370 x 780 mm (WxHxD)
Shipping Weight from Factory	20 kg
Power requirements	Certified rating: 8.4A, ~100-240V, 50-60Hz / Typical consumption: Max 325W@100V, ~2.7A, 50Hz; ~1.2A, 240V, 50Hz
Conformances	CE, FCC Class A and cCSAus
Operating temperature	10 - 40 °C
Storage temperature	-20 - 60 °C
Altitude	Up to 3,000 m
Operating humidity	20 - 80% RH
Storage humidity	10 - 90% RH
Color	Black metallic
Warranty	Limited 3 years parts and labour. Up to 5 years total warranty available. Conditions apply.
24-7 documentation	This projector is designed and warranted for heavy duty 24/7 operation. Specific measures and design considerations have been made in order for it to comply with stringent requirements in challenging applications.
MTBF	59,542 hours
BTU per hour	less than 1,100

Last updated: 16 okt 2014
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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