

# FL35 series

## World's highest resolution LED DLP projector



Barco's FL35 projector has no lamp and no consumables and create 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, 1,200 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**

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