

# FL33 series

## LED-based DLP® projector



Building on the FL32 series, the FL33 features 2nd generation LED's for increased brightness. State-of-the-art optical components further improve the color performance. Geared with the latest technology and innovation, this is a 1,000-lumen LED-illuminated projector.

### **Evolution**

The new generation of LEDs produce more brightness at less power, with 1,000 lumens in its brightest mode.

### **Quality**

The FL33 excels in reliability, operational warranty and performance. Motion platform compatible, designed and warranted for 24/7 use, it is perfect for demanding installations that require continuous performance and uptime.

### **Continuity**

The FL33 is based on the same platform as the FL32. Building on a platform with a proven track record of high-quality, high-performance products, the bar was raised even further.

**BARCO**

Visibly yours

## Product specifications

## FL33 series

<b>Technology</b>	LED based DLP® digital projector
<b>Concept</b>	0.95" / 0.98" DMD™ with ReaLED™ technology, all-glass optical design with lens shift
<b>Resolution</b>	1080p (1920 x 1080)WUXGA (1920 x 1200)
<b>Brightness</b>	Up to 1000 lumens
<b>Contrast</b>	Up to 7500 : 1 (Dynamic)
<b>Aspect ratio</b>	16:9 (1080p)16:10 (WUXGA)
<b>Display colors</b>	30-bit RGB
<b>Latency</b>	~22 ms on graphics port
<b>Computer graphics formats</b>	up to 1920 x 1200 pixels
<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)NTSC, PAL, SECAM
<b>Lens operation</b>	Motorized zoom, Focus, Shift, Iris and Mechanical shutter

Lenses

Standard projection lens

- Lens number: EN11 / 503-0056-00
- Focus range: 2.0 - 15.0 m
- Throw ratio · 1.60 - 2.32 : 1 (1080p)
- 1.60 - 2.32 : 1 (WUXGA)

Ultra Wide Angle

- Lens number: EN12 / 503-0057-01
- Focus range: 0.5 - 5.0 m
- Throw ratio · 0.79 : 1 (1080p)
- 0.79 : 1 (WUXGA)

Wide Angle Zoom

- Lens number: EN13 / 503-0058-00
- Focus range: 1.0 - 15.0 m
- Throw ratio · 1.24 - 1.60 : 1 (1080p)
- 1.24 - 1.60 : 1 (WUXGA)

Short Tele Zoom

- Lens number: EN14 / 503-0059-01
- Focus range: 3.0 - 30.0 m
- Throw ratio · 2.37 - 3.79 : 1 (1080p)
- 2.37 - 3.79 : 1 (WUXGA)

Wide Angle

- Lens number: EN15 / 503-0060-00
- Focus range: 1.5 - 15.0 m
- Throw ratio · 1.16 : 1 (1080p)
- 1.16 : 1 (WUXGA)

Long Tele Zoom

- Lens number: EN16 / 503-0061-00
- Focus range: 4.0 - 40.0 m
- Throw ratio · 3.80 - 6.50 : 1 (1080p)
- 3.80 - 6.50 : 1 (WUXGA)

Wide Angle

- Lens number: EN33 / 503-0171-00
- Focus range: 1.0 - 10.0 m
- Throw ratio · 0.92 : 1 (1080p)
- 0.92 : 1 (WUXGA)

Hemispherical

- Lens number: HR95 / 503-0311-00
- Focus range: 1.0 m - infinity
- Field of view · 1920x1080: 195° x 172° (1126 pixels)
- 1920x 1200: 195° x 195° (1126 pixels)
- 1400x1050: 195° x 195° (889 pixels)
- 2560x1600: 195° x 179° (1609 pixels)

Image width

0.7 - 5 m

Light source

LED

Lamp lifetime

Up to 100.000 hours

Computer inputs

1 x HDMI 1.3a1 x DVI-D1 x 5-BNC1 x VGA1 x XPort11 x XPort2

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<b>Video Input</b>	1 x HDMI 1.3a1 x YPbPr1 x S-video1 x Composite
<b>(E)TSO</b>	1 x RJ-45 TCP/IP2 x 9-pin D-SUB RS2321 x USB2 x 12V programmable trigger (3.5mm mini jack)1 x Wired Remote 3.5mm mini jack
<b>Dimensions</b>	510 x 223 x 376 mm (WxHxD)
<b>Weight</b>	14 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, 50-60HzTypical 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>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 extended 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>	