

FL33 series

LED based DLP® digital projector



Building on our existing FL32 series, we present the FL33 with 2nd generation LED's for increased brightness. State of the art optical components further improve the colour performance. With the latest technology and innovations, we can now present a 1000 lumen LED illuminated projector.

Evolution

The new Generation LEDs produce more brightness using less power, making the FL33 a 1000 lumen product in its brightest mode.

Quality

Compared to competing products, the FL33 excels in reliability, operational warranty and performance. Being motion platform compatible, designed and warranted for 24/7 use, it is perfect for critical installations demanding continuous performance and uptime.

Continuity

The FL33 is designed and constructed on the same platform as the FL32. Building on a platform with an already proven track record of high quality, high performance products, we now raise the bar even further and move our LED illuminated series into, and beyond the 1000 lumen realm.

BARCO

Visibly yours

Product specifications

FL33 series

Technology	LED based DLP® digital projector
Concept	0.95" / 0.98" DMD™ with ReaLED™ technology, all-glass optical design with lens shift
Resolution	1080p (1920 x 1080)WUXGA (1920 x 1200)
Brightness	Up to 1000 lumens
Contrast	Up to 7500 : 1 (Dynamic)
Aspect Ratio	16:9 (1080p)16:10 (WUXGA)
Display colors	30-bit RGB
Latency	~22 ms on graphics port
Computer graphics formats	up to 1920 x 1200 pixels
Horizontal scan frequencies	15 - 150 kHz (resolution dependant)
Vertical scan frequencies	48 - 190 Hz (resolution dependant)
Video formats	HDTV (1080p, 1080i, 720p)NTSC, PAL, SECAM
Lens operation	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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Video Input	1 x HDMI 1.3a1 x YPbPr1 x S-video1 x Composite
(E)TSO	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
Dimensions	510 x 223 x 376 mm (WxHxD)
Weight	14 kg
Shipping Dimensions	520 x 370 x 780 mm (WxHxD)
Shipping Weight from Factory	20 kg
Power requirements	Certified rating: 8.4A, ~100-240V, 50-60HzTypical 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
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 extended 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	