

FL33 series

LED-based DLP® projector



- **100,000-hour LED lifetime**
- **Designed for 24/7 operation**
- **Motion platform compatible**

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.

- 2nd Generation solid-state LED illumination
- 100,000-hour LED lifetime
- 1920x1200 or 1920x1080 resolution
- Built-in smear reduction processing SRP™
- Up to 1,000 ANSI lumens brightness (mode dependant)



- Designed for 24/7 operation
- Unrestricted installation flexibility
- Wide range of Ultra high-quality projection lenses
- RealColor™ color management
- Motion platform compatible

PRODUCT SPECIFICATIONS**FL33 SERIES**

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)
Technology	LED based DLP® digital projector
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
 - 0.74 : 1 (1080p)
 - 0.74 : 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)

PRODUCT SPECIFICATIONS**FL33 SERIES**

Image width	0.7 -5 m
Light source	LED
Lamp lifetime	Up to 100.000 hours
Computer inputs	1 x HDMI 1.3a 1 x DVI-D 1 x 5-BNC 1 x VGA 1 x XPort1 1 x XPort2
Video Input	1 x HDMI 1.3a 1 x YPbPr 1 x S-video 1 x Composite
(E)TSO	1 x RJ-45 TCP/IP 2 x 9-pin D-SUB RS232 1 x USB 2 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, 50-60Hz Typical consumption: Max 325W@100V, ~2.7A, 50Hz; ~1.2A, 240V, 50Hz
Conformances	CE, FCC Class A and cNus
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	

Last updated: 24 Feb 2021

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.