FLM R20+

Ultra quiet, compact 20k lumens projector

Barco's FLM R20+ is the **quietest 20,000 lumens projector** on the market today. Not only is it extremely bright and very compact but the FLM projector is designed to be the perfect solution for **rental & staging applications** in large events and venues.

The FLM boasts **fully sealed optics** and impressive lamp maintenance ensuring an overall **lower cost of ownership**. Moreover, we introduce a new High Definition, High Brightness **lens range**, the TLD+HD lenses, resulting in an even better image quality. This new range can be re-used on the industry leading Barco RLM and SLM projector series as well. Furthermore, you will enjoy exceptional video performance thanks to advanced **10 bit processing.**

Its exceptional brightness and near silent operation make it perfect for that special occasion where quality and high brightness cannot be compromised.

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Product specifications	FLM R20+
Light output	20,000 center lumens 18,000 ANSI lumens
Resolution	1400 x 1050 (native)
Brightness uniformity	> 90% for the total screen
Contrast ratio	1800 : 1 (full field) High contrast mode: 2400 : 1 (full field)
Display	3 Chip DLP SXGA+ (resolution of 1400 x 1050 pixels (aspect ratio 4:3)).
Convergence	Max allowed convergence drift is 0.5 pixel. This is checked on vertical and horizontal midlines only. Corners are not applicable for convergence error. This is measure with TLD 1.2 lens on axis.
Features	■ Picture in picture ■ Seamless switching with effects ■ Standard light shutter ■ Rigging point ■ Carrying handle ■ High contrast mode ■ P7 color processing ■ internal warp module
Picture-in-picture	2 sources simultaneous
Inputs	**Modular Inputs:** · Configurable 5 cable (BNC) · DVI · (HD)SDI (+ loop through) · DVI - HDCP
Outputs	HDSDI/ SDI loop out
Communication	■ 1x RS-232C IN (D-9 connector) 1x RS-232C OUT (D-9 connector) 1x RS-232C IN (XLR connector) 2x prop. protocol (RJ45 connector) xlr and mini-jack for wired remote control
Compatibility	■ All current video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component or RGB formats All current HDTV sourcesAll computer graphics formats from VGA, SVGA, XGA, SXGA, full HD, UXGA to QXGA Most Macintosh computers Electronic workstations with a resolution up to QXGA (2048 x 1536 pixels at 60 Hz) Most computer sources with a pixel clock up to 300 MHz DVI sources up to DC2K (2048x1080)
Input source compatibility	Max. input: up to QXGA (2048 x 1536)
Screen size	From 1-12m / 3-39ft.recomended
Scan Frequencies	Pixel clock >162Mhz (QXGA 60hz)
Network connection	10/100 base-T
On board display server	Ethernet control standard remote control projector over ethernet via Projector Toolset
Ambient temperature	Max 40°C (104°F)
Lamp	3.1 kW Xenon Warranty universal lamphouse: 750 Hrs
Lens Shift	Vertical: -10% to +110% Horizontal: -50% to +50% (small differences occur per lens type) (short throw lenses have less shift)
Lens encoders	On zoom and focus (with TLD lenses)
ScenergiX	Standard horizontal and vertical electronic edge blending
Sealed DLP™ core	Standard
Dust filters	Dense, high quality microfilters available as spare kit, in a 6-pack & 24-pack

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Noise Level	56 dBA (at 40°C)
Mains Voltage	200 - 240 V
Power consumption	3300 W (with universal lamp)
Power Dissipation	max 11953BTU/h
Weight	99 kg (220 lbs)
Dimensions	WxLxH 707 x 1025 x 548 mm (27.8 x 40.3 x 21.5 inch) incl. carrying handle + rigging points
Shipping Dimensions	Width: 92 cm Height: 95 cm Depth: 123 cm Floor Space: 1,1316 m² Volume: 1,075020 m³ Gross Weight: 161 kg
Safety Regulations	Compliant with UL1950 and EN60950
Electromagnetic Interference	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A
Order Information	Projector: R9004430 Spare lamp (universal lamp house): R9854535 6-pack dust filters: R9454470 24-pack dust filters: R9454480 RGB HV module: R9854440 FLM/SLM adaptor plate: R9854490 FLM carry handle: R9854530 FLM flight case: R9854510

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