

FLM HD Series



Most silent, compact High Brightness native HD projectors

Barco's FLM HD Series are the quietest 14,000 and 18,000 lumens native HD projectors on the market today. Being very compact and extremely bright due to our liquid cooled optics (patent pending), the FLM projector is designed to be the perfect solution for rental & staging applications in large events and venues. It also solves the increased need to project high brightness native HD images.

The FLM boasts fully sealed optics and impressive lamp maintenance ensuring an overall lower cost of ownership. Moreover, the lens range (TLD HB) of the industry leading Barco RLM and SLM projector series can be re-used on the FLM series, meaning you do not have to invest in new lenses. 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.

BARCO

Visibly yours

FLM HD Series specifications

	FLM HD14	FLM HD18
Light output ⁽¹⁾	13,000 Ansi lumen • 14,000 Center lumen	16,000 Ansi lumen • 18,000 Center lumen
Resolution	1,920 x 1,080 (native)	1,920 x 1,080 (native)
Contrast ratio ⁽²⁾	1,800:1 (full field)	1,800:1 (full field)
High Contrast Mode ^{(3) (4)}	2,400:1 (full field)	2,400:1 (full field)
Lamp	3kW Xenon	3.5kW Xenon
Warranty universal lamphouse	750 Hrs	750 Hrs
Max. ambient temperature	40°C (104°F)	40°C (104°F)
Power consumption	3.6kW	4.2kW
Mains voltage	200 - 240 V	200 - 240 V
Weight	99 kg (220 lbs)	99 kg (220 lbs)
Dimensions (W x L x H)	707 x 1025 x 548 mm (27.8 x 40.3 x 21.5 inch) incl. carrying handle + rigging points	707 x 1025 x 548 mm (27.8 x 40.3 x 21.5 inch) incl. carrying handle + rigging points
Noise level at 40°C	56 dBA	58 dBA
FEATURES		
Scenergix	standard horizontal & vertical electronic edge blending	
Network connectivity	10/100 base-T	
Advanced picture in picture	2 sources simultaneous	
INPUTS		
Input source compatibility ⁽⁵⁾	max. input: up to QXGA (2048 x 1536)	
Standard inputs	configurable 5 cable (BNC) • DVI • (HD)SDI (+ loop through)	
ORDER INFORMATION		
Projector	R9004470	R9004450
Spare lamp	R9854540	R9854540
LENSES		
	<i>throw ratio on FLM HD14</i>	
Fixed focal lenses	TLD HB 0.8 0.7 R9842040	TLD HB 0.8 0.7 R9842040
	TLD HB 1.2 1.03 R9840770	TLD HB 1.2 1.03 R9840770
Zoom lenses	TLD HB 1.6 - 2.0 1.36 - 1.71 R9842060	TLD HB 1.6 - 2.0 1.36 - 1.71 R9842060
	TLD HB 2.0 - 2.8 1.71 - 2.42 R9842080	TLD HB 2.0 - 2.8 1.71 - 2.42 R9842080
	TLD HB 2.8 - 5.0 2.38 - 4.35 R9842100	TLD HB 2.8 - 5.0 2.38 - 4.35 R9842100
	TLD HB 5.0 - 8.0 4.17 - 6.95 R9842120	TLD HB 5.0 - 8.0 4.17 - 6.95 R9842120
Dust filters	dense, high quality microfilters available as spare kit, in a 6-pack & 24-pack 6-pack: R9854470 24-pack: R9854480	
Other	5 cable module: R9854430 - HDSI module: R9854450 - DVI module: R9854460 FLM/SLM adaptor plate: R9854490 - FLM flight case: R9854510	

⁽¹⁾ Measured with TLD 1.2:1 lens, on axis at 220 V

⁽²⁾ Full white / full black on full field

⁽³⁾ High Contrast Mode setting reduces light output to about 75% of the max. light output

⁽⁴⁾ Contrast ratio's up to 2000:1 are possible in high contrast mode in combination with TLD lenses

⁽⁵⁾ all current video sources in composite, S-VHS, RGB or component or Serial digital format
all current proposed HDTV, extended and improved television standards (1080i, 720p, ...)
computer and workstations with a resolution up to 1,600 x 1,200
most Macintosh computers
direct digital interfacing with current and future digital standards



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DLP™ technology by Texas Instruments offers crystal clear images with superior quality.
DLP is a trademark of Texas Instruments.

The information and data given are typical for the equipment described.
However any individual item is subject to change without any notice.
The latest version of this product sheet can be found on www.barco.com.

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