# 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)<br>incl. carrying handle + rigging points | | | 707 x 1025 x 548 mm (27.8 x 40.3 x 21.5 inch)<br>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 | *throw ratio on FLM HD14* | | | *throw ratio on FLM HD18* | | |
| 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<br>6-pack: R9854470<br>24-pack: R9854480 | | | | | |
| Other | **5 cable module**: R9854430 - **HDSDI module**: R9854450 - **DVI module**: R9854460<br>**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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