

# CLM HD8

## Mid-venue HD projection redefined



### Key features

- Full HD resolution 1,920 x 1,080
- 8,000 lumen brightness
- DLP image quality
- Rugged and reliable
- Compact and lightweight

Barco's CLM HD8 is a compact 8,000 lumen DLP projector with full HD (1,920 x 1,080) resolution designed specifically for the demanding rental and staging market.

The combination of DLP technology, sealed optics and high density filter ensures that the CLM HD8 will deliver superb images year after year without expensive and time consuming maintenance.

A strong and durable all-metal chassis is used for maximum reliability and protection. The optional rigging kit enables fast and easy mounting all common types of trusses as well as easy stacking and adjustment for multi-projector applications. The low noise level, compact size and low weight makes the CLM HD8 an attractive choice for small and midsize venues.

Priced in the same range as high brightness LCD projectors, the CLM HD8 offers a number of advantages not only in image quality but also in image consistency and running costs. With the combination of high performance HD-projection in a compact and rugged package, the CLM HD8 redefines mid-venue HD projection.

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### 8,000 lumen brightness - now *and* tomorrow

The CLM HD8 uses a new and very efficient lamp/light engine combination that enables 8,000 lumen brightness not only when the projector is new but also after years of use. This high performance DLP projector remains a high performer. The CLM HD8 features sealed optics and high density filters to keep it clean and true to its specification. Unlike other types of projection technologies, there are no expensive optical parts to replace regularly to maintain the brightness and image quality.

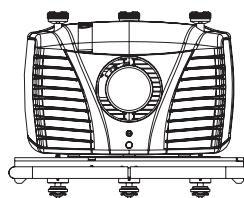
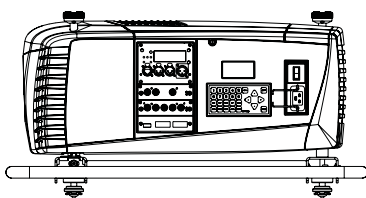


*The full HD resolution of the CLM HD8 (1,920 x 1,080) in combination with our state of the art scaling technology ensures uncompromised performance regardless of image format.*

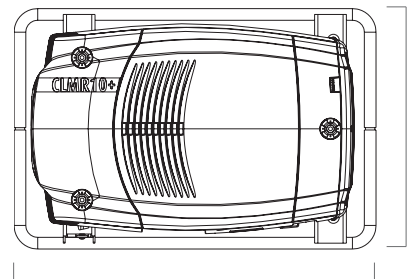
### Outstanding DLP image quality

This high performance DLP projector offers an image quality that rivals much more more expensive projectors. The CLM HD8 uses the same state of the art image processing technology as our award winning FLM series projectors. The full HD resolution of 1,920 x 1,080 pixels in combination with our state of the art scaling technology ensures uncompromised performance regardless of image format. Crisp, clear video and graphic images without loss of detail.

The CLM HD8 is a fully Barco engineered and manufactured. It is designed, manufactured and tested to the same high standards as its successful bigger brothers, the SLM, FLM and XLM series, all established industry standards in the demanding rental and staging market.



399 mm (15.71")



515 mm (20.28")

775 mm (30.51")

CLM HD8 dimensions

### Rugged - built for the road

The CLM features a sturdy all-metal chassis that protects - as well as keeps - all parts in place even under the toughest conditions. An optional frame with carrying handles makes rigging on trusses easy.

### Compact, low noise and lightweight

The compact size of the CLM will allow it to fit applications where previously, lower brightness projectors were the only choice. The light weight of the CLM makes handling and rigging quick and easy.



### Outstanding value and fully featured - why settle for less?

The CLM does not only feature high brightness and great image quality. Its fully featured design means it offers outstanding value by being a complete unit straight out of the box;

- Optical dimmer (true black) controlled by DMX512 signal
- Soft edge blending
- On-touch auto alignment
- Remote control by Ethernet / Projector Toolset
- Practical and easy rigging points

The price of the CLM HD8 makes it attractive to markets and applications that previously had to settle for lesser products.

Until now, high brightness DLP projectors were typically either higher priced or unsuitable for smaller applications. With the CLM HD8 there is now a Barco DLP projector to cover these applications - within your budget.

*The full featured connectivity of the CLM HD8 makes it uniquely suitable for venues and situations where sources and applications vary from day to day. The plug-in input modules allow for any signal type to be accommodated. The remote configuration via Ethernet with our Projector Toolset makes centralized control and set-up a breeze. The remote control of most parameters by DMX512 including true optical dimming ensures easy integration with show and lighting control systems.*

## CLM HD8 specifications

Light output <sup>(1)</sup>	8,000 Center lumen - 7,500 ANSI lumen
Resolution	1,920 x 1,080 (full HD)
Contrast ratio <sup>(2)</sup>	1,200:1 (full field)
High Contrast Mode <sup>(3) (4)</sup>	contrast enhancement by optical dowser
Lamp	4 x 300 W
Lamp warranty	750 Hrs
Max. ambient temperature	40°C (104°F)
Power consumption	1600 W
Mains voltage	100 - 240 V / 50 - 60 Hz
Weight	30 kg excl. lens and rigging frame
Dimensions (W x L x H)	692 x 442 x 293 mm (27.24 x 17.40 x 11.54 inch) • excl. carrying handle + rigging points
Noise level at 25°C	49 dB(A)
<b>FEATURES</b>	
Sealed DLP core	standard
Network connectivity	10/100 Base-T, RJ-45 connection
Optical dowser (dimmer)	0 - 100% brightness control by DMX512 signal
Scenergix edge blending	horizontal and vertical electronic edge blending
Advanced picture in picture	two sources simultaneously
<b>INPUTS</b>	
Input source compatibility <sup>(5)</sup>	max. input resolution up to UXGA (1,600 x 1,200) and HD (1,920 x 1,080)
Standard inputs	configurable; 5 cable (BNC) & SDI/HD-SDI

<sup>(1)</sup> Measured with CLD 1.6 - 2.4 lens, on axis at 220 V (+/- 10% variation)

The brightness may vary slightly depending on the mains voltage

<sup>(2)</sup> Full white / full black on full field

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

<sup>(4)</sup> Contrast ratio's up to 2000:1 are possible in high contrast mode

<sup>(5)</sup> 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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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](http://www.barco.com).

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