

# OVL-815 and OVL-808

## 80" DLP™ LED-lit projection module



With the LED-lit OVL-815 and OVL-808 systems, Barco extends its successful LED-based series of video walls. Enabled by the advanced cooling system Barco could lift the LED illumination to a new level of brightness. The extreme brightness allows for a complete range of seamless rear-projection video walls with a LED-based illumination unit, that is truly ready for 24/7 use offering an ergonomically excellent viewing experience, with bright, saturated colors in XGA (1024x768) and SXGA\* (1400x1050) resolution.

The OVL video walls have been designed for an entirely maintenance-free operation over several years, without any need for consumables. Barco's OVL video walls come with Sense®, a unique sensor technology that provides brightness and color stability over time and across the entire display. Sense® continuously measures brightness and color and adjusts the color space to provide an image that is most convenient for the human eye. This means that no maintenance or manual adjustments are needed.

### Excellent viewing ergonomics

- High brightness at wide LED color gamut
- Razor sharp image
- No color break up

### Maintenance-free

- Up to 80,000 h LED lifetime
- 5 years service free runtime
- No color wheel needed

### Green focus

- No wearing parts, no waste
- No mercury lamp

Thanks to the modular design of the OVL-projection engine the OVL-projector can also be used to upgrade existing Barco rear-projection modules of the OverView D series.

**BARCO**

Visibly yours

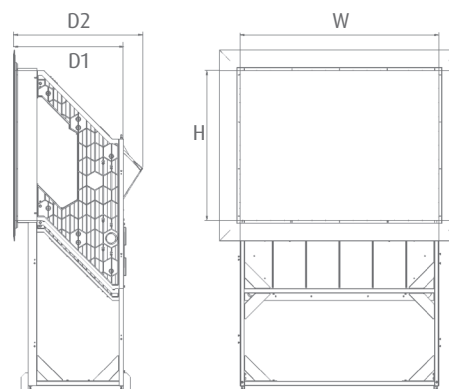
# Technical specifications of OVL-815 and OVL-808

Display capabilities	Resolution
	OVL-815 SXGA <sup>+</sup> , 1400x1050, native
	OVL-808 XGA, 1024x768
	Brightness
	Luminous flux typ 750 lumens <sup>(1)</sup>
	Dynamic contrast
	1,200,000 :1
	Color
	Up to 165% EBU
	White Point
Screen	3200k, 6500k and 9300k
	Uniformity
	Typ 95% ANSI 13
	Screen
	BB, FXS, High Gain
	Screen gap
	< 0.2mm stitched, < 2mm modular
	Color stability
	Self calibrating with spectrometer based Sense <sup>6</sup>
	Dimensions (WxHxD1)D2)
LED	1,600 x 1,200 x (862,5) 1,023 mm
	63.0 x 47.2 x (34.0) 40.3"
	Light source
	3x six fold redundant LED block
Operation	LED lifetime
	> 60,000 h, > 80,000 h (eco)
	Recommended maintenance interval
	> 5 years
Operation	No burn-in, no image retention
	Conditions for Operation
	10°C-40°C, 50°F-104°F, 80% humidity (nc)

Power	AC input voltage
	90 – 240 V, 50-60Hz
	Power (typical, maximum, eco mode)
	230 W, 350 W, 170 W
Signal	Heat dissipation (typical, maximum, eco mode)
	785 BTU/h, 1,195 BTU/h, 580 BTU/h
	Signal input/output
	2x Dual link DVI in
	2x Dual link DVI out
	Pixel Clock
	320 MHz
	Input Frequency
	24 – 62 Hz
	Genlock
Communications	49 – 61 Hz
	Minimum frame delay
	1 frame
	Signal processing
	Loop through up to 10 cubes
	Free cropping, free scaling
	Direct ethernet access
	Build in web server
	Graphical user interface
	All settings and operational parameters
Communications	Integration of third party equipment
	Web based API
	Warranty
	Two years

Screens	Type	BB	FXS	High gain <sup>(2)</sup>
	Half gain angle H/V	35°   35°	34°   33°	35°   10°
	Luminance in high brightness mode	105 Cd/m <sup>2</sup>	210 Cd/m <sup>2</sup>	520 Cd/m <sup>2</sup>
	Luminance in EBU/ REC 709 mode	90 Cd/m <sup>2</sup>	185 Cd/m <sup>2</sup>	455 Cd/m <sup>2</sup>
	Luminance in ECO mode	65 Cd/m <sup>2</sup>	130 Cd/m <sup>2</sup>	315 Cd/m <sup>2</sup>

(<sup>1</sup>) high brightness mode, (<sup>2</sup>) available on request



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Barco is an ISO 9001 registered company.  
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). The product is subject to warranty of 2 years. Warranty for image retention is subject to certain conditions of use.

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