

# 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<sup>®</sup>, a unique sensor technology that provides brightness and color stability over time and across the entire display. Sense<sup>®</sup> 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.

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.

### 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

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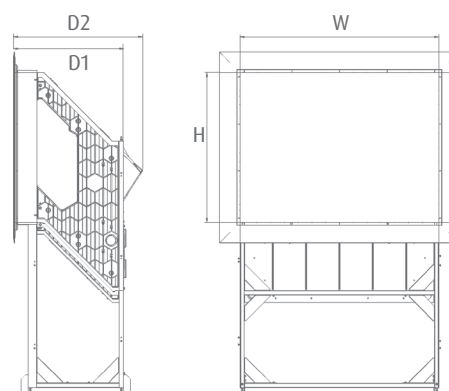
## Technical specifications of OVL-815 and OVL-808

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

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