

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.

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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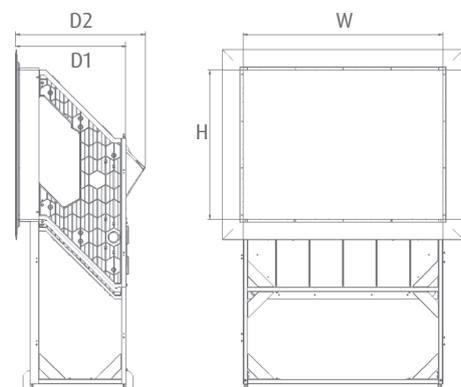
Technical specifications of OVL-815 and OVL-808

Display capabilities	Resolution	OVL-815 SXGA ¹ , 1400x1050, native	
		OVL-808 XGA, 1024x768	
	Brightness	Luminescent flux typ 750 lumens ⁽¹⁾	
	Dynamic contrast	1,200,000 :1	
	Color	Up to 165% EBU	
	White Point	3200k, 6500k and 9300k	
	Uniformity	Typ 95% ANSI 13	
	Screen	Screen	BB, FXS, High Gain
		Screen gap	< 0.2mm stitched, < 2mm modular
		Color stability	Self calibrating with spectrometer based Sense ⁶
Dimensions (WxHx(D1)D2)		1,600 x 1,200 x (862,5) 1,023 mm 63.0 x 47.2 x (34.0) 40.3"	
LED		3x six fold redundant LED block	
Operation	LED lifetime	> 60,000 h, > 80,000 h (eco)	
	Recommended maintenance interval	> 5 years	
		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
	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
Signal	Pixel Clock	320 MHz
	Input Frequency	24 – 62 Hz
	Genlock	49 – 61 Hz
	Minimum frame delay	1 frame
	Signal processing	Loop through up to 10 cubes Free cropping, free scaling
	Communications	Direct ethernet access
Graphical user interface		All settings and operational parameters
Integration of third party equipment		Web based API
Warranty		Two years

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

(¹) high brightness mode, (²) 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. The product is subject to warranty of 2 years. Warranty for image retention is subject to certain conditions of use.

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