OVL-715 and OVL-708

70“ DLP™ LED-lit projection module

With the LED-lit OVL-715 and OVL-708 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[6], a unique sensor technology that provides brightness and color stability over time and across the entire display. Sense[6] 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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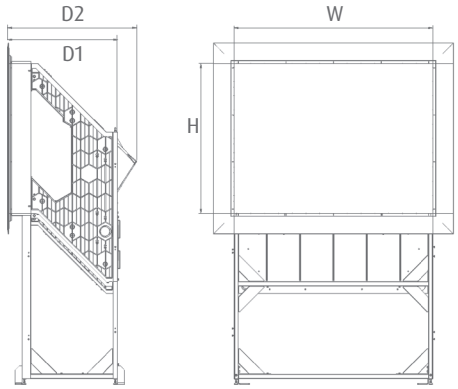
Technical specifications of OVL-715 and OVL-708

Display capabilities	**Resolution**	
	OVL-715	SXGA+, 1400x1050, native
	OVL-708	XGA, 1024x768
	Brightness	
	Lumineous 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	
	< 0.2 mm stitched, < 1.5 mm modular	
	Color stability	
	Self calibrating with spectrometer based Sense6	
	Dimensions (WxHx(D1)D2)	
	1,400 x 1,050 x (763) 899 mm 55.1 x 41.2 x (30) 35.4"	
LED	**Light source**	
	3x six fold redundant LED block	
	LED lifetime	
	> 60,000 h, > 80,000 h (eco)	
Operation	**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	**Signal input/output**	
	2x Dual link DVI in 2x Dual link DVI out	
	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**	
	Build in web server	
	Graphical user interface	
	All settings and operational parameters	
	Integration of third party equipment	
	Web based API	
	Warranty	
	Two years	



	Type	BB	FXS	High gain(2)
Screens	Half gain angle H/V	35° | 35°	34° | 33°	35° | 10°
	Luminance in high brightness mode	140 Cd/m²	275 Cd/m²	680 Cd/m²
	Luminance in EBU/ REC 709 mode	120 Cd/m²	240 Cd/m²	590 Cd/m²
	Luminance in ECO mode	85 Cd/m²	170 Cd/m²	415 Cd/m²

(1) high brightness mode, (2) available on request

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