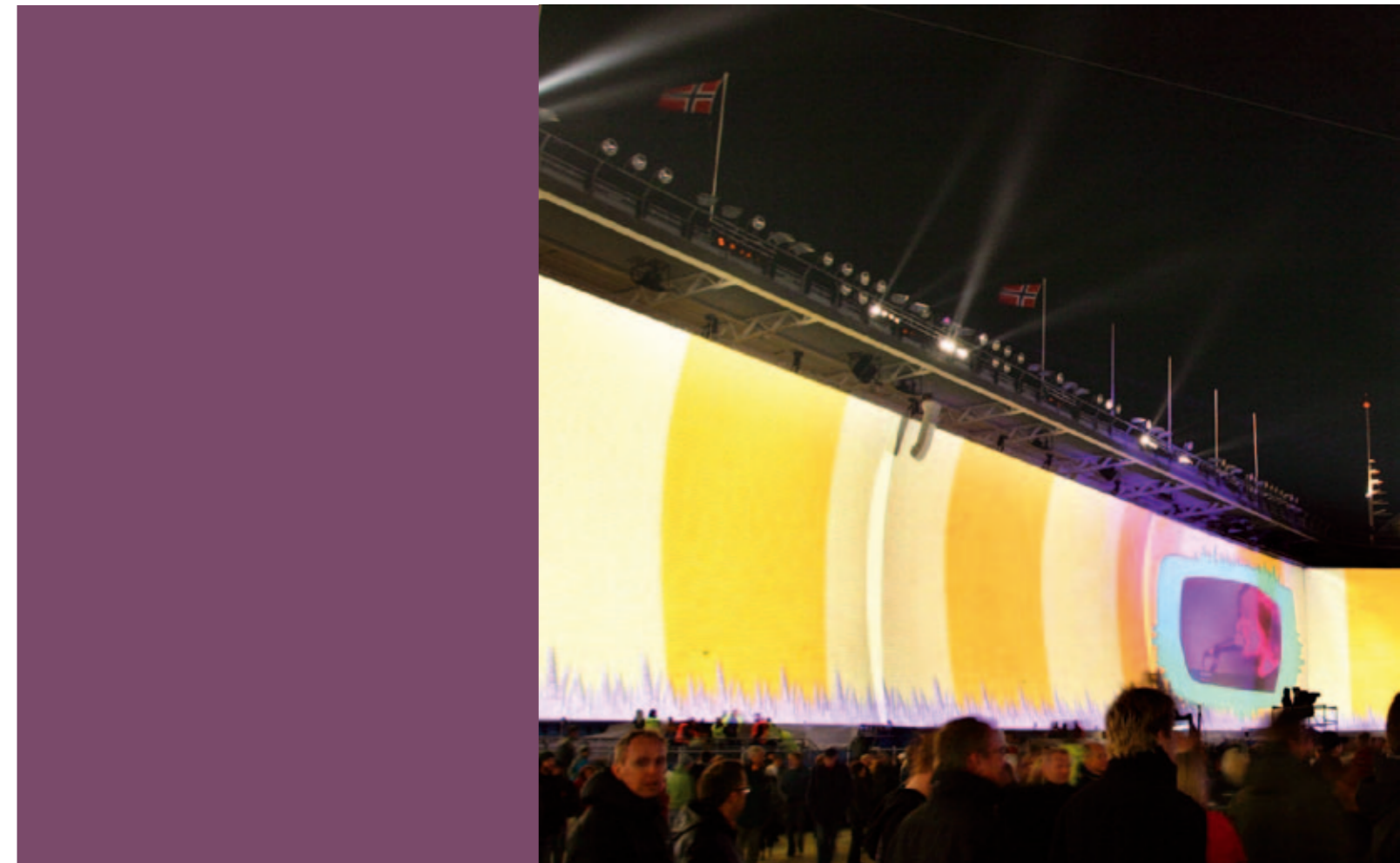


# Barco Projectors

Advanced projectors for rental and fixed installations



Barco is a global leader in projection technology. Our comprehensive projector portfolio includes cutting edge DLP projection suited for various applications, both live events and fixed installations.

From installations for concerts, events and outdoor projections to meeting rooms, theme parks and houses of worship, Barco has the right projector to answer your specific needs.



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DLP™ technology by Texas Instruments offers crystal clear images with superior quality. DLP is a trademark of Texas Instruments.

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 overview sheet can be found on [www.barco.com](http://www.barco.com).

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		CLM R10+	CLM HD8	NW-12	SLM R12+	FLM HD14	FLM HD20	FLM R22+	XLM HD30	
										
Display	Projector type	SXGA+ 1-chip DLP digital projector	HD 1-chip DLP digital projector	WUXGA 3-chip DLP digital projector	SXGA+ 3-chip DLP digital projector	HD 3-chip DLP digital projector	HD 3-chip DLP digital projector	SXGA+ 3-chip DLP digital projector	HD 3-chip DLP digital projector	
	Technology	0.95' DMD™ x1	0.95' DMD™ x1	0.96' DMD™ x3	0.95' DMD™ x3	0.95' DMD™ x3	0.95' DMD™ x3	0.95' DMD™ x3	1.2' DMD™ x3	
	Resolution (pixels)	1,400 x 1,050	1,920 x 1,080	1,920 x 1,200	1,400 x 1,050	1,920 x 1,080	1,920 x 1,080	1,400 x 1,050	2,048 x 1,080	
	Brightness	• center lumens	10,000	8,000	10,000	13,500	14,000	20,000	22,000	30,000
		• ANSI lumens	9,500	7,500	9,500	12,000	13,500	19,000	21,000	27,000
	Contrast ratio (Normal)	1,200:1	1,200:1	1,700:1	1,600:1	2,100 - 2,700:1 (full field)	2,100 - 2,700:1 (full field)	1,700 - 2,200:1 (full field)	2,000 - 2,800:1 (full field)	
	Brightness uniformity	95%	95%	90%	90%	90%	90%	90%	80%	
	Aspect ratio	4:3	16:9	16:10	4:3	16:9	16:9	4:3	16:9	
Scenergix	horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending including warping	horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending		
Optical & Lamp	Lenses range	0,85:1 ; 1,2-1,5:1 ; 1,5-2,2:1 ; 2,2-4,4:1 ; 4,4-7:1	0,85:1 ; 1,2-1,5:1 ; 1,5-2,2:1 ; 2,2-4,4:1 ; 4,4-7:1	0.73:1 ; 1.2:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.2:1***	0.73:1 ; 1.2:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.2:1***	0.73:1 ; 1.2:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.2:1***	0.73:1 ; 1.2:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.2:1***	0.73:1 ; 1.2:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.2:1***	1:1 ; 1.45-1.8:1 ; 1.8-2.4:1 ; 2.2-3.0:1 ; 2.8-5.5:1 ; 5.5-8.5:1	
	Optical lens shift	Vert -20%+110%; Hor 15% (L) 100%(R) on zoom lenses	Vert -20%+110%; Hor 15% (L) 100%(R) on zoom lenses	+/- 65% Horizontally ; +/- 110% Vertically	Vert -10%+110%; Hor +/-50% on zoom lenses	Vert -10%+110%; Hor +/-30% on zoom lenses	Vert -10%+110%; Hor +/-30% on zoom lenses	Vert -10%+110%; Hor +/-50% on zoom lenses	Vert -10%+110%; Hor +/-50% on zoom lenses	
	Color correction	P7	P7	Dynacolor	P7	P7	P7	P7	P7	
	Lamps	4 x 300W	4 x 300W	2 KW Xenon	2.2 KW Xenon	3 KW Xenon	3 KW Xenon	3 KW Xenon	6.3 KW Xenon	
	Lamp life (typical/maximum)	750/1,250 Hrs	750/1,250 Hrs	1,000 Hrs	1,000 Hrs	1,000 Hrs	1,000 Hrs	1,000 Hrs	1,000 Hrs	
Features	Sealed DLP core	Standard	Standard	N/A	N/A	Standard	Standard	Standard	Standard	
	Optical dower (dimmer)	0 - 100% brightness control by DMX512 signal	0 - 100% brightness control by DMX512 signal	N/A	Available	Available	Available	Available	Available	
	Advance Picture in Picture	Two sources simultaneously	Two sources simultaneously	Four sources simultaneously	Two sources simultaneously	Two sources simultaneously	Two sources simultaneously	Two sources simultaneously	Four sources simultaneously	
	Orientation	table/ceiling/side (portrait)/vertical	table/ceiling/side (portrait)/vertical	table/ceiling	table/ceiling/side (portrait)*/vertical	table/ceiling/side (portrait)*/vertical	table/ceiling/side (portrait)*/vertical	table/ceiling/side (portrait)*/vertical	table/ceiling/side (portrait)*/vertical	
	Others	can be controlled by DMX512 console: focus, zoom, lens shift, input selection, brightness, contrast, true video black	can be controlled by DMX512 console: focus, zoom, lens shift, input selection, brightness, contrast, true video black	Warping (10x10); All computer graphics formats up to QXGA	can be controlled by DMX512 console (optional): lens zoom focus memory	Warping, lens zoom focus memory	Warping, lens zoom focus memory	Warping, lens zoom focus memory	Rugged remote control with display; lens zoom focus memory	
Connectivity	Digital video	DVI	SDI/HDSI	DVI-HDCP	SDI/HDSI; DVI	DVI-HDCP; SDI/HDSI	DVI-HDCP; SDI/HDSI	DVI-HDCP; SDI/HDSI	DVI; SDI/HDSI	
	Analogue video	1 X 5-BNC (RGBHV, RGBS/RGBsB) Composite video; S-Video	1 X 5-BNC (RGBHV, RGBS/RGBsB) Composite video; S-Video; SDI/HDSI	1 X 5-BNC (RGBHV, RGBS/RGBsB) Composite video; S-Video; VGA	1 X 5-BNC (RGBHV, RGBS/RGBsB) Composite video; S-Video; VGA	1 X 5-BNC (RGBHV, RGBS/RGBsB) Composite video; S-Video; VGA	1 X 5-BNC (RGBHV, RGBS/RGBsB) Composite video; S-Video; VGA	1 X 5-BNC (RGBHV, RGBS/RGBsB) Composite video; S-Video; VGA	1 X RGB; 1 x SDI; 1 x HDSI; 1 x DVI	
	Input resolution	From NTSC up to UXGA (1,600 x 1,200) Incl. HDTV (1,920 X 1,080)	From NTSC up to UXGA (1,600 x 1,200) Incl. HDTV (1,920 X 1,080)	From NTSC up to UXGA (1,600 x 1,200) Incl. HDTV (1,920 X 1,080)	From NTSC up to UXGA (1,600 x 1,200) Incl. HDTV (1,920 X 1,080)	From NTSC up to QXGA (2,048 x 1,536)	From NTSC up to QXGA (2,048 x 1,536)	From NTSC up to QXGA (2,048 x 1,536)	From NTSC up to 2,048 x 1,080	
	Optional inputs	SDI/ HDSI; DVI ( HDCP)	DVI-HDCP;	SDI-HD/SDI	Network card; DMX512 module	DMX512 module	DMX512 module	DMX512 module	DVI; YUV; CVBS/S-video; HDSI/SDI; RGB HB	
	Software tools	Projection Toolset	Projection Toolset	N/A	Projection Toolset	Projection Toolset	Projection Toolset	Projection Toolset	Projection Toolset	
	Control	XLR wired + IR; RS232/422	XLR wired + IR; RS232/422	minijack + IR; RS232/422	XLR wired + IR; RS232/422	XLR wired + IR; RS232/422	XLR wired + IR; RS232/422	XLR wired + IR; RS232/422	XLR wired + IR; RS232/422	
	Network	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 (optional connection)	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 connection	2 x 10/100 Base-T, RJ-45 connection	
General	Power requirements	100 - 240 V / 50 - 60 Hz	100 - 240 V / 50 - 60 Hz	220 - 240 V / 50 - 60 Hz	220 - 240 V / 50 - 60 Hz	220 - 240 V / 50 - 60 Hz	220 - 240 V / 50 - 60 Hz	220 - 240 V / 50 - 60 Hz	220 - 240 V & 380 - 400 V / 50 - 60 Hz	
	Power consumption	1,600 W	1,600 W	2,750 W	2,750 W	3,500 W	3,500 W	3,500 W	8,000 W	
	Operating noise level (typ)	49 dB	49 dB	49 dB	62,5 dBA (@35°C)	56 dB	58 dB	56 dB	67 dB	
	Dimensions (W x L x H)	692 x 442 x 293 mm	692 x 442 x 293 mm	590 x 913 x 345 mm	585 x 876 x 429 mm	707 x 1,025 x 548 mm	707 x 1,025 x 548 mm	707 x 1,025 x 548 mm	810 x 1,563 x 631 mm	
	Weight	30 kg excl. lens & ringing frame	30 kg excl. lens & ringing frame	70 kg	56 kg	99 kg	99 kg	99 kg	180 kg	
	Accessories	Power cord; wireless/wired remote control; Rental frame kit; lenses;	Power cord; wireless/wired remote control; Rental frame kit; lenses;	Power cord; wireless/wired remote control; lenses;	Power cord; wireless/wired remote control; lenses;	Power cord; wireless/wired remote control; lenses;	Power cord; wireless/wired remote control; lenses;	Power cord; wireless/wired remote control; lenses;	Power cord; wireless/wired remote control; lenses;	
	Certification	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A	ETL60950 and EN60950 CE compliant	Compliant with UL1950 and EN60950 Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A	Compliant with UL1950 and EN60950 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A	Compliant with UL1950 and EN60950 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A	Compliant with UL1950 and EN60950 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A	Compliant with UL1950 and EN60950 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A	
	Warranty	2 years**	2 years**	2 years**	2 years**	2 years**	2 years**	2 years**	2 years**	
	Order number	R90501001B1 (Touring kit) R9050100 (CLM R10)	R90501301B1 (Touring kit) R9050130 (CLM HD8)	R9010700 (NW-12) R90107001B1 (NW-12 incl. lens)	R9010171 (SLM R12+)	R9004470 (FLMHD14) R9854530 (FLM top carry handle)	R9004510 (FLM HD20) R9854530 (FLM top carry handle)	R9004500( FLM R22+); R9854530 (FLM top carry handle)	R9004460(HD30 4 inputs) R9004461 (HD30 DVI in only)	

\* Barco supports different projector positions, such as: vertical (side position - portrait mode) and horizontal (most common, either ceiling or table mount)

\*\* Warranty includes labor, parts and engine

\*\*\* Lens throw for SX+ chip