

# Barco LED displays

Spectacular LED displays for rental and fixed installations



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

From huge outdoor LED installations for concerts and events to smaller indoor LED displays in corporate foyers, fashion shows or car shows, Barco has the right LED solution to answer your specific needs.

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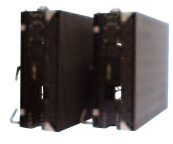






The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this overview sheet can be found on [www.barco.com](http://www.barco.com).

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	NX-4	NX-6	ILite6BK	OLite612	T-16BK	T-20	TF-16BK	TF-20	B-10	B-16
										
<b>Pixel pitch</b>	4.66 mm	6.22 mm	6.22 mm	12.4 mm	16.0 mm	20.0 mm	16.0 mm	20.0 mm	10 mm virtual	16.0 mm
<b>Brightness</b>	2,000 nits	2,000 nits	2,000 nits	6,000 nits	6,000 nits	6,000 nits	6,000 nits	7,200 nits <sup>1</sup>	5,500 nits	6,000 nits
<b>LED type</b>	3-in-1 black SMD	3-in-1 black SMD	3-in-1 black SMD	3-in-1 SMD	3x black lamp	3x lamp	3x black lamp	3x lamp	4x lamp	3x black lamp
<b>Pixel density</b>	45,918/sqm - 4,271/sqf 10,368/tile (96x108)	25,829/sqm - 2,402/sqf 5,832/tile (72x81)	25,829/sqm - 2,402/sqf 5,184/tile (72x81)	6,457/sqm - 600/sqf 3,888/tile (72x54)(rental) 1,944/tile (36x54)(fixed)	3,906/sqm - 363/sqf 3,600/tile (60x60)	2,504/sqm - 232/sqf 2,304/tile (48x48)	3,908/sqm - 363/sqf 3,600/tile (60x60)	2,504/sqm - 232/sqf 2,304/tile (48x48)	9,6 sqm - 103,3 sqf 16 tile S10XP	13,824 sqm - 148,5 sqf 15 tile T-16BK
<b>Viewing angle (@50% brightness)</b>	H : 120 degree V : +48/-55 degree	H : 120 degree V : +60/-60 degree	H : 120 degree V : +60/-60 degree	H : 110 degree V : +40/-50 degree	H : 110 degree V : +15/-35 degree	H : 110 degree V : +15/-45 degree	H : 110 degree V : +15/-35 degree	H : 110 degree V : +15/-45 degree	H : 110 degree V : +15/-45 degree	H : 110 degree V : +15/-35 degree
<b>Contrast ratio</b>	4,000:1	4,200:1	3,000:1	1,150:1	7,000:1	4,000:1	7,000:1	4,000:1	4,000:1	7,000:1
<b>Lifetime</b>	60,000 hrs (@75% brightness)	60,000 hrs (@75% brightness)	45,000 hrs (@50% brightness)	50,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)
<b>Power consumption/tile</b>	300 W max 132 W average	330 W max 145 W average	335 W max 156 W average	800 W (400 W fixed) max 240 W (120 W fixed) average	600 W max 180 W average	400 W max 120 W average	600 W max 180 W average	400 W max 120 W average	18 KVA, diesel fueled, 28 hours of continuous operation at half load	11 KVA, diesel fueled, 20 hours of continuous operation at half load
<b>Operation power voltage</b>	200-240 V / 50-60 Hz	200-240 V / 50-60 Hz	200-240V / 50-60Hz	200-240 V / 50-60 Hz	200-240 V / 50-60 Hz	200-240 V / 50-60 Hz	200-240V / 50-60Hz	200-240 V / 50-60 Hz	200-240 V / 50-60 Hz	200-240 V / 50-60 Hz
<b>Tile size (W x H x D) in mm</b>	448 x 504 x 210 (rental) 448 x 504 x 228.6 (fixed)	448 x 504 x 210 (rental) 448 x 504 x 228.6 (fixed)	448 x 448 x 150 (rental) 448 x 448 x 127 (tile only)	896 x 672 x 264.2 (rental) 448 x 672 x 116.2 (fixed)	960 x 960 x 281.95	960 x 960 x 281.95	960 x 960 x 281.95	960 x 960 x 281.95	4,240 x 2,385 x 2,080	5,044 x 2,379 x 2,111
<b>Tile/display surface in sqm</b>	0.22	0.22	0.20	0.60	0.92	0.92	0.92	0.92	9.6 (aspect ratio 4:3)	14 (aspect ratio ±16:9)
<b>Weight</b>	12.9 kg/tile - 28.4 lbs (rental) 13.8 kg/tile - 30.3 lbs (fixed)	12.9 kg/tile - 28.4 lbs (rental) 13.8 kg/tile - 30.3 lbs (fixed)	14.3 kg/tile - 31.4 lbs (rental) 10.8 kg/tile - 23.7 lbs (tile only)	58 kg/tile - 127.6 lbs (rental) 17.2 kg/tile - 37.8 lbs (fixed)	60 kg/tile (65 kg/sqm) 132.2 lbs	60 kg/tile (65 kg/sqm) 132.2 lbs	54 kg/tile 119.05 lbs	54 kg/tile 119.05 lbs	3,420 kg 7,540 lbs	3,420 kg 7,540 lbs
<b>IP rating</b>	only indoor use	only indoor use	only indoor use	IP65/65	IP65/54	IP65/54	IP65/54	IP65/54	IP65/55	IP65/54
<b>Processing</b>	16 bit/color	16 bit/color	14 bit/color	16 bit/color	16 bit/color	16 bit/color	16 bit/color	16 bit/color	16 bit/color	16 bit/color
<b>Colors</b>	281 trillion	281 trillion	4.4 trillion	281 trillion	281 trillion	281 trillion	281 trillion	281 trillion	281 trillion	281 trillion
<b>Refresh rate</b>	3,200 Hz	3,200 Hz	400 Hz	800 Hz	800 Hz	800 Hz	800 Hz	800 Hz	800 Hz	800 Hz
<b>Max stacking</b>	12 tiles	12 tiles	12 tiles	12 tiles (rental only)	6 tiles	6 tiles	n/a	n/a	n/a	n/a
<b>Max hanging</b>	15 tiles	15 tiles	15 tiles	15 tiles (rental only)	10 tiles	10 tiles	n/a	n/a	n/a	n/a
<b>Link interface</b>	NNI interface (HDMI connector)	NNI interface (HDMI connector)	DVI interface (DVI connector)	DVI interface (DVI connector)	DVI interface (DVI connector)	DVI interface (DVI connector)	DVI interface (DVI connector)	DVI interface (DVI connector)	DVI interface (DVI connector)	DVI interface (DVI connector)
<b>Max link length</b>	10 m (by Barco HDMI cable)	10 m (by Barco HDMI cable)	4.5 m (by Barco DVI cable)	4.5 m (by Barco DVI cable)	4.5 m (by Barco DVI cable)	4.5 m (by Barco DVI cable)	4.5 m (by Barco DVI cable)	4.5 m (by Barco DVI cable)	4.5 m (by Barco DVI cable)	4.5 m (by Barco DVI cable)
<b>Interface port</b>	x4 HDMI link x1 USB (diagnostic)	x4 HDMI link x1 USB (diagnostic)	x2 DVI link	x2 DVI link	x2 DVI link	x2 DVI link	x2 DVI link	x2 DVI link	x2 DVI link	x2 DVI link
<b>Max power cascade connection</b>	8 tiles	8 tiles	6 tiles	3 tiles	6 tiles	6 tiles	6 tiles	6 tiles	n/a	n/a
<b>Servicing</b>	front and back (front: tool required)	front and back (front: tool required)	back	back	back (clickable shader)	back (screwed shader)	front and back (front: tool required)	front and back (front: tool required)	back (clickable shader)	back (clickable shader)
<b>Operating temperature</b>	0 - 40 degree	0 - 40 degree	0 - 40 degree	-20 - 45 degree	-35 - 50 degree	-35 - 50 degree	-35 - 50 degree	-35 - 50 degree	-35 - 50 degree	-35 - 50 degree
<b>Storage temperature</b>	-20 - 60 degree	-20 - 60 degree	-20 - 60 degree	-20 - 60 degree	-35 - 50 degree	-35 - 50 degree	-35 - 50 degree	-35 - 50 degree	-35 - 50 degree	-35 - 50 degree
<b>Operation humidity</b>	35 - 85%	35 - 85%	35 - 85%	10 - 99%	10 - 99%	10 - 99%	10 - 99%	10 - 99%	11 - 99%	10 - 99%
<b>Storage humidity</b>	10 - 90%	10 - 90%	10 - 90%	10 - 99%	10 - 99%	10 - 99%	10 - 99%	10 - 99%	10 - 99%	10 - 99%
<b>Source compatibility (with Digitizer)</b>	CVBS, YC, YUV, RGB, DVI (Single & Dual link, up to 2048x1536), SDI, HDSDI, Dual link HDSDI	CVBS, YC, YUV, RGB, DVI (Single & Dual link, up to 2048x1536), SDI, HDSDI, Dual link HDSDI	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700 : and Dual link DVI, Dual link HDSDI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700 : and Dual link DVI, Dual link HDSDI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700 : and Dual link DVI, Dual link HDSDI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700: and Dual link DVI, Dual link HDSDI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700: and Dual link DVI, Dual link HDSDI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700: and Dual link DVI, Dual link HDSDI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700: and Dual link DVI, Dual link HDSDI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700: and Dual link DVI, Dual link HDSDI)
<b>Operable Digitizer</b>	DX-700 (with NNI output card)	DX-700 (with NNI output card)	DX-700 (with DVI output card) D320 LED-PRO	DX-700 (with DVI output card) D320 LED-PRO	DX-700 (with DVI output card) D320 LED-PRO	DX-700 (with DVI output card) D320 LED-PRO	DX-700 (with DVI output card) D320 LED-PRO	DX-700 (with DVI output card) D320 LED-PRO	Rack-mounted LED-PRO	Rack-mounted LED-PRO
<b>Certification</b>	CE classA, TUV, FCC Class A, ETL, Cebec, RoHS	CE classA, TUV, FCC Class A, ETL, Cebec, RoHS	CE classA, TUV, FCC Class A, ETL, RoHS	UL, CE class A, TUV, FCC ClassA	ETL, CE, FCC, RoHS, CCC, TUV	ETL, CE, FCC, RoHS, CCC, TUV	ETL, CE, FCC, RoHS, CCC, TUV	ETL, CE, FCC, RoHS, CCC, TUV	ETL, CE, FCC, RoHS, CCC, TUV	ETL, CE, FCC, RoHS, CCC, TUV

<sup>1</sup> Perpendicular to the screen