

# LED Displays

By NookSchoenfeld

Like the vast array of different LED displays that have sprung up in the last two years. Flexible screens, various sized LED tiles and pixel pitches. New hard strips of LED to replace the LED tape we all have been trying to use the last few years. There are models for outdoor use as well as indoor applications, and there are some that can stand a little rain in between. This year I have seen video tiles designed for stadium scoreboards as well as affordable tiles for DJ platforms and LED video products ranging from 2mm pixel pitch to single LEDs measuring 12 inches in diameter. Whatever you are looking for, one of these manufacturers is sure to have it, and what better place to look for LED display manufacturers than right here in the PLSN Buyers Guide. **PLSN**



Manufacturer	Model	Pixel Pitch	Pixels per Display	LED Source	Lamp Life(hrs)	Viewable Angle	Cabinet Size	Cabinet Material	Mounting Connection Type	Display Link Connection	Power Link Connection	Max Power Usage	Max Power Linking	IP Rating	Weight	NITs (brightness)	Certification	Comments
Absen America usabsen.com	A2	2.5 mm	160w x 120h	SMD 3in1	100,000	160 degrees	15.7" w x 11.8h x 3.7" d	Aluminum	Locking Handles	Cat5 -military connector	Military Connector	190W/sq. m.	.9A at 110v	IP40 Indoor use	14.7 lbs.	1200	NA	HD&4K friendly, wide viewing angle, easy switch of both panel and parts
AOTO Electronics Co. szaoto.com	AOTO S6	6.96mm	4,761	SMD	100,000	160/160	480x480mm	Aluminum	Quick Lock	EtherCon	PowerCon	160W	1.33a @110v	IP65	15.4 lbs.	5500	CCC,TUV, CB, CE, RoHS, FCC, and ETL	55% transparency, 5500nits,structure ideal for rigging and stacking system, horizontal/vertical curve and LED floor.
Barco barco.com	C5	5.5 mm	5,184	SMD RGB black	100,000	120	15.7 x 15.7 x 2.5"	Aluminum Casting	Multiple Options	NA	PowerCon	106W	12 tiles	Indoor only	16.28 lbs.	2000	ETL, CE, RoHS, FCC, TUV	Lightweight,easy install, silent, power efficient. Uses Barco DX processors
Chauvet Professional chauvetvideo.com	C6	6.25mm	12,800	BlackFace SMD 3528	50,000	140	19.7 x 39.4 x 2.5 in	Aluminum alloy	Speego-PVP Rig Kit, or M12 bolt	EtherCon	PowerCon	128W,1.06A @120V	12 units	IP40 Indoor use	23 lbs.	1500	CE, MET	Designed for permanent indoor use. Quiet Fanless operation for theater
Daktronics daktronics.com	PSTx-1800-8MN (2x2)	8 mm	8100/panel 90x90	SMD	100,000	Vert: 25/45 Horiz:160	28.75 x 28.75 x 5.4" d	Aluminum and steel (corrosion resistant)	Various mount pts. Customable latch system	OpticalCon	PowerCon	312W	20a panel to panel at 110v	IP66	50 lbs.	6000	CB, ETL, UL/CSA, EMC, and CE.	8mm outdoor SMD video displays, high-res video, wide viewing angles
Elation elationlighting.com	EPT6IP	6.67mm	9,216	SMD2828	100,000	120	25.2"x25.2"	Aluminum	Rigging Bar, spring-lock M10 bolts	Neutrik Ethercon cat6	PowerCon True 1	252W at full white	7 cabinets @ full white	IP65	38.6 lbs.	5000	ETL, RoHS	New 6mm pitch, outdoor rated, pro touring display. Lightweight frame for easy install and service
G-LEC germanlightingproducts.com	Ergon 7	7.8mm	4,096	DVI-D	50,000	120	19.7"x19.7" 4.3"	Die Cast Aluminum	Locking Con on panel	Ethercon	Harting PushPull	190W	12	Front IP65 Rear IP54	24.6 lbs.	5000	CE, RohS	5000 NIT luminance, auto-sensing power 100-240v, 16 bit color
GLIC LED Displays Inc glicled.com	P-3.75	3.75mm	15,584	Epistar	100,000	160 horiz x 65 vertical	480mm x 480mm	Aluminum	Hanging	Neutrik, Ethernet	Neutrik	250W	2a	20	20 lbs.	1200	ETL	Slim portable design, seamless connection between cabinets
GoVision jumbo.tv	GV10CF	10 mm	4,608	GoVision	50,000	140/140	1000mm x 500mm	Carbon Fiber	Plates	Udo	Neutrik PowerCon	TBD	TBD	IP65	10.5 lbs.	NA	TBD	Modular configurations, custom-built to any size
GTEK gtek.hk	InnoPix 5	5 mm	7,056	SMD 3 in 1	100,000	120	19.7" x 19.7"	Die-cast Aluminum	Quick Lock	Neutrik	Neutrik	175W	NA	IP66	19.8 lbs.	5000	ETL	High resoluion LED video panel featuring flat & curve 2-in-1 ability
Infiled infiled.company.weiku.com	Q series P3.9	3mm	19,500	3 in 1 SMD	50,000	140	19.7 x 19.7 x 2.5 in	Aluminum Casting	Custom latches	Ethercon	PowerCon	NA	NA	Indoor IP-31	19.8 lbs.	2500	Indoor use only	LCD display panel on back for tech. Patent bottom edge protection LED
LuxMax USA luxmaxusa.com	LUXMAX 3HD	3.6mm	16,384	3IN1 SMD Blackface	100,000	140/140	18.33"x18.33 x 3.07"	Die-Cast Aluminum	Header with Eyebolt	EtherCon	PowerCon	85W	12 panels	IP30	19.2 lbs.	1200	CE, FCC, EMC, LVD, ETL ETL, RoHS and SGS verified	Very high res. Serves as an alternative to projection and LCD video walls
Martin Professional martin.com	VDO Fenix 6	6mm	7,056	MultiColor	50,000	120	22.68" x 22.68"	Casted Aluminum	Quick Lock	Ethernet IP65	PowerCon True-1	250W	8	IP65	27.4 lbs.	5500	ANSI/UL 60950-1	6mm high-res product runs on same Martin Processors
Mega Systems, Inc. megasystemsinc.com	Dicolor U-641	6.4mm	6,400	SMD	100,000	140	20.2" x 20.2" x 3.9"	Die Casting	Locking Latch & Guided Pin	Neutrik EtherCon	Neutrik PowerCon	110W	Varies w/ cable	IP30	27.6 lbs.	1800	ETL, CCC, FCC, TUV-CE	Black face and high refresh options available. More pitch sizes.
Omnisistem omnisistem.com	Flex 7	7.9 mm	3,969	SMD RGB	100,000	120	19.69 x 19.69 x 4.57 inches	Aluminum	Quick Release System	ChogoriÂ®	Chogori	175W	7 panels	IP66	22.5 lbs.	5000	CCC, CE, RoHS, FCC, and ETL	Modular design w quick release. Can be flexibly bended for curved surface
Oracle LED Systems oracleledsystems.com	Black Widow HD 9	9.7 mm	NA	NA	100	140 x 120	2' x 2' x 6"	Aluminum	NA	Ethercon	PowerCon	2 amps	4a	IP65	30 lbs.	7000	TUV, ETL, power supplies: UL	HD9 is ideal for both day and night conditions.
PixelFlex pixelflexled.com	FLEXcurve	8mm	15,625	SMD 3 in1 3535	100,000	140	30"x30"	Aluminum	Rig & Click	Ethercon	Neutrik true one	540W	12 tiles	65	39 lbs.	6000	UL, CTE,CE	6000 NIT tour ready product. Curvable 10 deg concave or convex
ROE Visual Co., Ltd roevisual.com	Black Onyx	3.47mm	82,944/sqm	Nationstar	50,000	140	19.69"x19.69 x3.54"	Magnesium Alloy	Stacking/hang-ing hardware	Neutrik	Neutrik	220W	12	IP20	19.58 lbs.	1500	CE/TUV	High-performance indoor HD LED. Magnesium alloy is strong and light ANTI-Glare LED for high contrast ratio
Upstage Video upstagevideo.com	Color Specific CS5	5 mm	9216	Cree	10,000	140	19.21" x 19.21 x 4.17" d	Die-cast Aluminum	Cheeseborough, Headers, Ground Support	Ethercon	PowerCon	880W	2.2a	IP32	22 lbs.	NA	UL, FCC, ETL	The CS 5mm tiles can be a concave curved wall in addition to a traditional flat wall.
Upstaging Inc/AboutShow upstaging.com/saber	Saber 1M, 05.M, 0.25M	10mm Stackable	192, 96, 48	3 in 1 SMD	50,000	140	1m/.5m/.25m x0.82" x 2.07"	Aluminum Casting	Multiple Options	IP 65 Custom Power/Data	IP 65 Custom Power/Data	50W 25W 12.5W	8 Meters	IP65	2.4 lbs. 1.2 lbs. 0.55 lbs.	4800	ETL Pending, CE, FCC, ROHS	3 Sizes, 10mm Pitch, Dual Row LED, Stackable while maintaining pixel pitch, Low Profile for multiple mounting option. Brompton Technology Tessera Processing.