

I.B.O. Associates

LED Electronic Message Centers

16mm Pitch



IBO Associates **Traditional Series** 16mm outdoor displays offer two to twelve lines of content and are ideal for close to mid-range viewing while providing dynamic text, graphics and animations. This common display application will bring you great image resolution with increased distance viewability and advertising value. According to the US Small Business Administration outdoor LED displays can increase sales 15 to 150% while costing a tenth of other advertising media.

Standard Features:

- Ultra-bright LEDs—uses the brightest LED technology available
- Front access with windowless design that is brighter and easier to maintain.
- Long-life 100,000 hour LEDs are up to 90% more efficient.
- 100% solid state - no moving parts.
- Beautifully styled aluminum cabinetry with 30% gloss black polyurethane finish for cost saving thermal control.
- Easy-to-use, software.
- All electronics are assembled in a state-of-the-art facility, featuring computerized assembly and computerized testing.
- Rugged Traditional aluminum cabinet and modules to ensure your sign continues to work for you, year after year.
- Worry-free access security – the only messages you see are the ones you authorize ... from the sign, the office, your home, or the other side of the world.
- 5 Year Manufacturer's Parts Warranty, including a designated laptop with operating software.

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Model	Height	Width	Power Ratings (SS/DS)	3" Text (readable from 150ft.)	4.5" Text (readable from 225ft.)	10" Text (readable from 500ft.)	Weight (SS/DS)
e16- 16x32	1'2"	2'0"	42/84 W max	2 lines of 6	2 lines of 5	1 line of 3	40/77 lbs.
e16- 16x64	1'2"	3'8"	78/156 W max	2 lines of 12	2 lines of 10	1 line of 7	61/115 lbs.
e16- 16x80	1'2"	4'6"	96/192 W max	2 lines of 16	2 lines of 13	1 line of 8	76/143 lbs.
e16- 16x96	1'2"	5'4"	114/228 W max	2 lines of 19	2 lines of 16	1 line of 10	86/161 lbs.
e16- 16x112	1'2"	6'2"	132/264 W max	2 lines of 22	2 lines of 18	1 line of 12	96/181 lbs.
e16- 16x128	1'2"	7'0"	150/300 W max	2 lines of 25	2 lines of 21	1 line of 14	107/200 lbs.
e16- 16x144	1'2"	7'10"	174/348 W max	2 lines of 28	2 lines of 24	1 line of 16	121/228 lbs.
e16- 32x32	2'0"	2'0"	78/156 W max	5 lines of 6	4 lines of 5	1 line of 3	55/103 lbs.
e16- 32x64	2'0"	3'8"	150/300 W max	5 lines of 12	4 lines of 10	1 line of 7	88/163 lbs.
e16- 32x80	2'0"	4'6"	192/384 W max	5 lines of 16	4 lines of 13	1 line of 8	108/199 lbs.
e16- 32x96	2'0"	5'4"	228/456 W max	5 lines of 19	4 lines of 16	1 line of 10	122/225 lbs.
e16- 32x112	2'0"	6'2"	264/528 W max	5 lines of 22	4 lines of 18	1 line of 12	141/259 lbs.
e16- 32x128	2'0"	7'0"	300/600 W max	5 lines of 25	4 lines of 21	1 line of 14	155/284 lbs.
e16- 32x144	2'0"	7'10"	336/672 W max	5 lines of 28	4 lines of 24	1 line of 16	173/318 lbs.
e16- 48x64	2'-10"	3'8"	228/456 W max	8 lines of 12	6 lines of 10	2 lines of 7	116/212 lbs.
e16- 48x80	2'-10"	4'6"	282/564 W max	8 lines of 16	6 lines of 13	2 lines of 8	139/253 lbs.
e16- 48x96	2'-10"	5'4"	336/672 W max	8 lines of 19	6 lines of 16	2 lines of 10	161/294 lbs.
e16- 48x112	2'-10"	6'2"	390/780 W max	8 lines of 22	6 lines of 18	2 lines of 12	185/336 lbs.
e16- 48x128	2'-10"	7'0"	444/888 W max	8 lines of 25	6 lines of 21	2 lines of 14	203/368 lbs.
e16- 48x144	2'-10"	7'10"	510/1020 W max	8 lines of 28	6 lines of 24	2 lines of 16	227/410 lbs.
e16- 64x64	3'-8"	3'8"	300/600 W max	10 lines of 12	8 lines of 10	3 lines of 7	143/260 lbs.
e16- 64x80	3'-8"	4'6"	372/744 W max	10 lines of 16	8 lines of 13	3 lines of 8	170/308 lbs.
e16- 64x96	3'-8"	5'4"	444/888 W max	10 lines of 19	8 lines of 16	3 lines of 10	197/356 lbs.
e16- 64x112	3'-8"	6'2"	528/1056 W max	10 lines of 22	8 lines of 18	3 lines of 12	225/406 lbs.
e16- 64x128	3'-8"	7'0"	600/1200 W max	10 lines of 25	8 lines of 21	3 lines of 14	252/453 lbs.
e16- 64x144	3'-8"	7'10"	672/1344 W max	10 lines of 28	8 lines of 24	3 lines of 16	279/500 lbs.
e16- 80x80	4'-6"	4'6"	474/948 W max	13 lines of 16	10 lines of 13	4 lines of 8	206/372 lbs.
e16- 80x96	4'-6"	5'4"	564/1128 W max	13 lines of 19	10 lines of 16	4 lines of 10	238/427 lbs.
e16- 80x112	4'-6"	6'2"	654/1308 W max	13 lines of 22	10 lines of 18	4 lines of 12	268/481 lbs.
e16- 80x128	4'-6"	7'0"	744/1488 W max	13 lines of 25	10 lines of 21	4 lines of 14	300/537 lbs.
e16- 80x144	4'-6"	7'10"	834/1668 W max	13 lines of 28	12 lines of 24	5 lines of 16	335/599 lbs.
e16- 96x96	5'-4"	5'-4"	672/1344 W max	16 lines of 19	12 lines of 16	5 lines of 10	273/488 lbs.
e16- 96x112	5'-4"	6'2"	780/1560 W max	16 lines of 22	12 lines of 18	5 lines of 12	312/558 lbs.
e16- 96x128	5'-4"	7'0"	888/1776 W max	16 lines of 25	12 lines of 21	5 lines of 14	348/620 lbs.
e16- 96x144	5'-4"	7'10"	1008/2016 W max	16 lines of 28	12 lines of 24	5 lines of 16	388/691 lbs.

Additional Sizes Available. Please contact IBO Associates for more information!

Pitch & LED's Per Pixel	20mm-1 red, 1 green, 1 blue	Graphic Capabilities	JPEG, ANI & AVI
LED Color Capability	4.4 Trillion	Special Features	*Front access to all components
Cabinet	Rugged Traditional Aluminum fully sealed to ensure continued use for years		*Countdown & Countdown & count feature standard for event notice.
Viewability and Intensity	150 viewing angle 10,000 NIT Brightness		*Temperature probe & photo sensor
Communications	RS232, RS485, Wireless Wi-Fi		*Industry leading horizontal & vertical viewing angles for increased visibility & viewing time
Temperature	- 40? to 158?F		*Unique user friendly software that allows you to program and see your message exactly as it will appear
Approvals	UL certified and labeled for outdoor use: 110VAC		*Twist connector communication cable SideA to SideB
Animation Frame Rate	Cutting edge 60 frames per second		*Twist connector power cable
			*3-prong plug for radio
			*easy rear access for twist connectors

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