

VANGUARD® VF-2420-27x90-66-X

Amber (A) or Full-Color (RGB)

Approved for Amber

Power Specifications

Display Technology	High-intensity LED
Cabinet Access	Front access
Cabinet Enclosure	NEMA 3R
Face Panel	Aluminum mask over polycarbonate face panel
Weight	1660 lbs. (753 kg)
Dimensions ¹	7'11" x 21'6" x 1'4" (2.39 m x 6.55 m x 0.38 m)
Operating Temp. Range	-30° F to +165° F (-34° C to +74° C)
Humidity Range	0 to 99%, non-condensing
Ventilation	Pressurized, forced-air ventilation system
Controller Location	Sign cabinet or equipment cabinet
Display Type	Full-matrix (variable text and graphics)
Active Area	5'11" x 19'6" (1.78 m x 5.94 m)
Top/Bottom Border Width	12" (304.8 mm)
Left/Right Border Width	12" (304.8 mm)
Pixel Matrix	27 rows x 90 columns
Pixel Pitch	66mm (2.6")
Viewing Distance	1,100' (335 m) using 18" characters
Sign Intensity	Amber 9,200 candelas/m ² minimum Full-color 12,400 candelas/m ² minimum (v)
LED Color	Amber (590nm ± 5nm) Full-color (32,000 distinct colors using red,
Power Requirements	120/240 VAC, single-phase power (3-wire
Communications Protocol	NTCIP 1203
Communications Options	Cellular, fiber optic, direct Ethernet and ra
Structural Design Standard	AASHTO
NEMA Standards	NEMA TS 4 Section 2 Environmental Requ

Viewing Angle (HxV)	Amber Amps Per Leg ³	Amber Typical Power ⁴	RGB Amps Per Leg ³	RGB Typical Power ⁴
30° x 30°	16	658 W	22	929 W


Character Capacity²

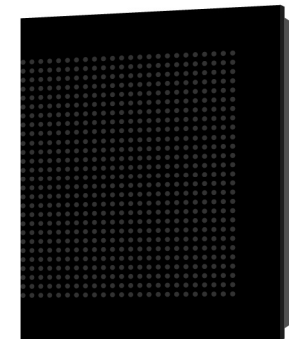
Interline Spacing	Character Spacing
3	1

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BY: D.L. Jones , PE
 DATE: 2/14/17





NOTES

1. Display cabinet depth measurement includes "Z" mounting brackets on the rear of the cabinet.
2. Many other font sizes are available.
3. Amps per leg calculation is based on the maximum load of a typical DMS, including a full matrix. This value is measured for a 120/240 3W+G system and will vary with auxiliary options.
4. Typical power includes a partially-illuminated LED sign (15% of the amber pixels or 38% of the full matrix).
5. Sign front face paint color is semi-gloss black. Other sides are mill finish aluminum.
6. With the continuous improvement of all Daktronics products, the features and measurements on this page are subject to change without notice.
7. The product illustration on this page is for conceptual purposes only and may not represent the actual dimensions of the specified display.