

VANGUARD® VF-2420-54x210-34-X

Amber (A) or Full-Color (RGB)

Power Specifications

Model	Viewing Angle (HxV)	Amber Amps Per Leg ³	Amber Typical Power ⁴	RGB Amps Per Leg ³	RGB Typical Power ⁴
VF-2420-54x210-34-X	30° x 30°	22	1000 W	24	1392 W

Sample Character Capacity²

Character Height	Lines/ Characters	Example Font Size	Interline Spacing	Character Spacing
	3/17	14x10_2	6	2
	4/26	9x06_2	4	2
	6/35	7x05_1	3	1

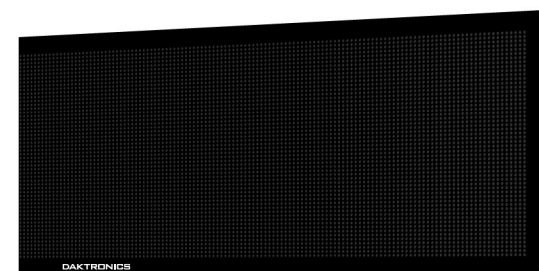
Display Technology	High-intensity LED
Cabinet Access	Front access
Cabinet Enclosure	NEMA 3R
Face Panel	Aluminum mask over polycarbonate face panel
Weight	1865 lbs. (846 kg)
Dimensions ¹	6'11" x 23'9" x 1'4" (2.09 m x 7.24 m x 0.38 m)
Operating Temp. Range	-30° F to +165° F (-34° C to +74° C)
Humidity 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 22'9" (1.71 m x 6.98 m)
Top/Bottom Border Width	6" (152.4 mm)
Left/Right Border Width	6" (152.4 mm)
Pixel Matrix	54 rows x 210 columns
Pixel Pitch	34mm (1.33")
Viewing Distance	450' (137 m) using 1/2" characters
Sign Intensity	Amber 9,200 cd/m² Full-color 12,400 cd/m²
LED Color	Amber (590nm ± 5nm) Full-color (32,000 colors)
Power Requirements	120/240 VAC, single phase
Communications Protocol	NTCIP 1203
Communications Options	Cellular, fiber optic
Structural Design Standard	AASHTO
NEMA Standards	NEMA TS 4 Section 2

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 ☐ RESUBMIT
☐ APPROVED AS NOTED
 ☐ NOT APPROVED

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

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NOTES

1. Display cabinet depth measurement includes "Z" mounting.
2. Many other font sizes are available.
3. Amps per leg calculation is based on the maximum load. This value is measured for a 120/240 3W+G system and is for reference only.
4. Typical power includes a partially-illuminated LED sign (1/2" characters).
5. Sign front face paint color is semi-gloss black. Other side paint is semi-gloss black.
6. With the continuous improvement of all Daktronics products.
7. The product illustration on this page is for conceptual purposes only.