

LOUVERED FRONT-ACCESS DMS VANGUARD VL-35X0



Low profile VL-3550

Arterial Roads

Tunnels and
Bridges

Managed
Lanes

Roadside
Facilities

Toll Facilities

FEATURES

FRONT MODULE ACCESS Access internal components through lightweight, quick-detach modules

PROVEN LED PROTECTION UV-inhibiting epoxy dome and potting material protects the LEDs from excess heat and the elements

VISIBILITY Durable louvers enhance contrast, optimize brightness, eliminate glare and allow for wider viewing angles

VENTILATION Positive-pressure ventilation extends LED lifetime

DESIGN STANDARDS NTCIP 1203 v03, UL, FCC, NEC, designed to International Building Code to withstand vibration

COLOR CAPABILITY Use amber or 32,000+ colors to display enhanced text, MUTCD symbols and other logos or icons

SPECIFICATIONS

LEGIBILITY

- 70° viewing angle
- Minimum sign intensity:
5,500 cd/m² (Amber) or
9,500 cd/m² (Full Color)
- High-quality LEDs with latest technology
- 0-100% automatic or 64 levels of
manual brightness control
- External brightness sensor

RELIABILITY

- Will withstand humidity, high wind,
extreme temperatures and adverse
weather conditions
- Conformal coating on all circuit boards
- Complete customer service options,
including parts exchange, on-site
maintenance and toll-free
help desk support

COMMUNICATION

- Ethernet, cellular, fiber, direct or radio
- Control system compliant with NTCIP
1203 v03

VL-35X0

FRONT ACCESS

FULL-MATRIX DMS - LOUVERED FACE
70 DEGREE VIEWING CONE

MODEL NUMBER GUIDE VL-3550-48x192-20-RGB



MODEL NUMBER	APPROX. CABINET DIMENSIONS ¹ FEET / INCHES (HxWxD)	LINES/CHAR. PER LINE 6" HIGH	WEIGHT POUNDS	MAX POWER USAGE WATTS ² (RGB)	MAX POWER USAGE WATTS ² (A)
VL-35X0-16x48-20-A or RGB	1'9" x 3'8" x 8"	2/9	50	170	120
VL-35X0-16x64-20-A or RGB	1'9" x 4'9" x 8"	2/12	70	210	140
VL-35X0-16x80-20-A or RGB	1'9" x 5'9" x 8"	2/16	80	270	190
VL-35X0-16x96-20-A or RGB	1'9" x 6'9" x 8"	2/19	100	310	210
VL-35X0-16x112-20-A or RGB	1'9" x 7'10" x 8"	2/22	110	340	230
VL-35X0-16x128-20-A or RGB	1'9" x 8'10" x 8"	2/25	130	380	250
VL-35X0-16x144-20-A or RGB	1'9" x 9'11" x 8"	2/29	140	440	300
VL-35X0-16x160-20-A or RGB	1'9" x 10'11" x 8"	2/32	150	480	320
VL-35X0-16x176-20-A or RGB	1'9" x 12'0" x 8"	2/35	170	540	370
VL-35X0-16x192-20-A or RGB	1'9" x 13'0" x 8"	2/38	180	580	390
VL-35X0-16x208-20-A or RGB	1'9" x 14'1" x 8"	2/41	200	610	410
VL-35X0-16x224-20-A or RGB	1'9" x 15'1" x 8"	2/44	210	650	430
VL-35X0-16x240-20-A or RGB	1'9" x 16'2" x 8"	2/48	230	710	450
VL-35X0-16x256-20-A or RGB	1'9" x 17'2" x 8"	2/51	240	750	470
VL-35X0-32x48-20-A or RGB	2'9" x 3'8" x 8"	4/9	90	280	180
VL-35X0-32x64-20-A or RGB	2'9" x 4'9" x 8"	4/12	110	380	220
VL-35X0-32x80-20-A or RGB	2'9" x 5'9" x 8"	4/16	130	480	290
VL-35X0-32x96-20-A or RGB	2'9" x 6'9" x 8"	4/19	160	550	330
VL-35X0-32x112-20-A or RGB	2'9" x 7'10" x 8"	4/22	180	650	370
VL-35X0-32x128-20-A or RGB	2'9" x 8'10" x 8"	4/25	200	720	410
VL-35X0-32x144-20-A or RGB	2'9" x 9'11" x 8"	4/29	220	790	480
VL-35X0-32x160-20-A or RGB	2'9" x 10'11" x 8"	4/32	250	890	520
VL-35X0-32x176-20-A or RGB	2'9" x 12'0" x 8"	4/35	270	990	590
VL-35X0-32x192-20-A or RGB	2'9" x 13'0" x 8"	4/38	290	1,060	630
VL-35X0-32x208-20-A or RGB	2'9" x 14'1" x 8"	4/41	320	1,160	670
VL-35X0-32x224-20-A or RGB	2'9" x 15'1" x 8"	4/44	340	1,230	700
VL-35X0-32x240-20-A or RGB	2'9" x 16'2" x 8"	4/48	360	1,330	740
VL-35X0-32x256-20-A or RGB	2'9" x 17'2" x 8"	4/51	390	1,400	780
VL-35X0-48x48-20-A or RGB	3'10" x 3'8" x 8"	6/9	120	410	240
VL-35X0-48x64-20-A or RGB	3'10" x 4'9" x 8"	6/12	150	520	300
VL-35X0-48x80-20-A or RGB	3'10" x 5'9" x 8"	6/16	180	650	390
VL-35X0-48x96-20-A or RGB	3'10" x 6'9" x 8"	6/19	210	760	480
VL-35X0-48x112-20-A or RGB	3'10" x 7'10" x 8"	6/22	240	860	540
VL-35X0-48x128-20-A or RGB	3'10" x 8'10" x 8"	6/25	280	970	600
VL-35X0-48x144-20-A or RGB	3'10" x 9'11" x 8"	6/29	310	1,100	650
VL-35X0-48x160-20-A or RGB	3'10" x 10'11" x 8"	6/32	340	1,210	710
VL-35X0-48x176-20-A or RGB	3'10" x 12'0" x 8"	6/35	370	1,340	800
VL-35X0-48x192-20-A or RGB	3'10" x 13'0" x 8"	6/38	400	1,450	860
VL-35X0-48x208-20-A or RGB	3'10" x 14'1" x 8"	6/41	440	1,550	920
VL-35X0-48x224-20-A or RGB	3'10" x 15'1" x 8"	6/44	470	1,650	980
VL-35X0-48x240-20-A or RGB	3'10" x 16'2" x 8"	6/48	500	1,760	1,070
VL-35X0-48x256-20-A or RGB	3'10" x 17'2" x 8"	6/51	530	1,860	1,130

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VL-35X0-64x48-20-A or RGB	4'10" x 3'8" x 8"	8/9	150	520	330
VL-35X0-64x64-20-A or RGB	4'10" x 4'9" x 8"	8/12	190	660	410
VL-35X0-64x80-20-A or RGB	4'10" x 5'9" x 8"	8/16	230	830	520
VL-35X0-64x96-20-A or RGB	4'10" x 6'9" x 8"	8/19	270	970	630
VL-35X0-64x112-20-A or RGB	4'10" x 7'10" x 8"	8/22	310	1,140	700
VL-35X0-64x128-20-A or RGB	4'10" x 8'10" x 8"	8/25	350	1,280	780
VL-35X0-64x144-20-A or RGB	4'10" x 9'11" x 8"	8/29	390	1,410	860
VL-35X0-64x160-20-A or RGB	4'10" x 10'11" x 8"	8/32	430	1,590	940
VL-35X0-64x176-20-A or RGB	4'10" x 12'0" x 8"	8/35	470	1,760	1,050
VL-35X0-64x192-20-A or RGB	4'10" x 13'0" x 8"	8/38	520	1,900	1,130
VL-35X0-64x208-20-A or RGB	4'10" x 14'1" x 8"	8/41	560	2,030	1,200
VL-35X0-64x224-20-A or RGB	4'10" x 15'1" x 8"	8/44	600	2,170	1,280
VL-35X0-64x240-20-A or RGB	4'10" x 16'2" x 8"	8/48	640	2,340	1,390
VL-35X0-64x256-20-A or RGB	4'10" x 17'2" x 8"	8/51	680	2,520	1,530
VL-35X0-80x48-20-A or RGB	5'11" x 3'8" x 8"	10/9	180	620	390
VL-35X0-80x64-20-A or RGB	5'11" x 4'9" x 8"	10/12	230	790	490
VL-35X0-80x80-20-A or RGB	5'11" x 5'9" x 8"	10/16	280	1,030	620
VL-35X0-80x96-20-A or RGB	5'11" x 6'9" x 8"	10/19	330	1,210	710
VL-35X0-80x112-20-A or RGB	5'11" x 7'10" x 8"	10/22	380	1,380	840
VL-35X0-80x128-20-A or RGB	5'11" x 8'10" x 8"	10/25	430	1,550	940
VL-35X0-80x144-20-A or RGB	5'11" x 9'11" x 8"	10/29	480	1,760	1,070
VL-35X0-80x160-20-A or RGB	5'11" x 10'11" x 8"	10/32	530	1,960	1,170
VL-35X0-80x176-20-A or RGB	5'11" x 12'0" x 8"	10/35	580	2,170	1,290
VL-35X0-80x192-20-A or RGB	5'11" x 13'0" x 8"	10/38	630	2,380	1,390
VL-35X0-80x208-20-A or RGB	5'11" x 14'1" x 8"	10/41	680	2,550	1,490
VL-35X0-80x224-20-A or RGB	5'11" x 15'1" x 8"	10/44	730	2,720	1,590
VL-35X0-80x240-20-A or RGB	5'11" x 16'2" x 8"	10/48	780	2,900	1,710
VL-35X0-80x256-20-A or RGB	5'11" x 17'2" x 8"	10/51	830	3,070	1,840

NOTES

1. Display cabinet depth dimensions include zee-extrusion mounting brackets on the rear of the cabinet. Contact Daktronics for specific mounting details.
2. Many other font sizes are available. Contact Daktronics for details about other fonts.
3. Maximum power includes a fully illuminated LED sign (with 100% of the pixels at 100% intensity), the sign controller and ventilation system.
4. Sign front face paint color is semi-gloss black. Other sides are mill finish aluminum.
5. Consistent with Daktronics continuous improvement program, all product features are subject to change without notice.