

# GALAXY® 3550 16 MM COLOR PRODUCT SPECIFICATIONS



A Daktronics Galaxy® electronic message center (EMC) provides the most flexible solution available for a dynamic outdoor advertising medium. The 16 mm 3550 Series Galaxy LED displays provide crisp, detailed images in 68 billion colors with wide viewing angles and a large number of matrix sizes.

## 16 MM COLOR TECHNICAL SPECIFICATIONS

### Character Height:

4.5" (7 pixel font)

### Line Spacing:

16.5 mm (0.65")

### Pixel Configuration:

1 red, 1 green, 1 blue

### Maximum Brightness:

Full color RGB: 12,000 nits

### Color Capability:

68 billion colors

### Optimal Viewing Angle:

140 degrees horizontal by 70 degrees vertical

### Readability Angle:

160 degrees horizontal by 90 degrees vertical

### Minimum Viewing Distance:

37'

## PRODUCT FEATURES

**Easy maintenance:** interchangeable power supplies

**Simplified connections:** plug-and-play connections and an external junction box for easy power connection

**Installation options:** mounting clips provide several ways to install displays



## 3550 SERIES SPECIFICATIONS

### Estimated LED Lifetime:

100,000+ hours

### Contrast Enhancement:

Non-reflective black louvers and module face grooves disperse light

### Cabinet Configuration:

Front-ventilated single cabinet

### Graphic Capability:

Text, graphics, basic animation, multiple font styles and sizes

### Control Software:

Venus® 1500 version 4

### Power:

120/240 VAC single phase

### Display Dimming:

64 levels (automatic, scheduled or manual control)

### Communication Options:

Ethernet Fiber Optic, Ethernet CAT5, Ethernet Bridge Radio

### Operating Temperature:

-40°F to 120°F with 99% RH non-condensing

### Compliance Information:

UL and cUL Listed, UL Energy verified, FCC compliance

### Warranty Coverage:

5 Years

### Product Support:

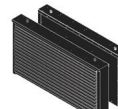
Daktronics plans to support this product for 10 years.

## DISPLAY CONFIGURATIONS

Can order in single-face (SF) or two-view (2V) configurations.



**SF**  
available  
in all sizes



**2V**  
available in  
all sizes

## MODEL NUMBER GUIDE

AF - 3550 - 64 x 128 - 16 - RGB - 2V

Matrix LED Outdoor Series Number      Lines High Columns Wide Line Spacing      Single Face or Two View Red or Amber LEDs

# GALAXY® 3550 16 MM COLOR PRODUCT SPECIFICATIONS

<b>MODEL SPECIFICATIONS</b>						
<b>Lines and Columns</b>	<b>Single-face Cabinet Feet and Inches (H x W x D)</b>	<b>Single-face Cabinet Meters (H x W x D)</b>	<b>Single-face Weight Pounds (kg)</b>	<b>Lines/Characters per line</b>	<b>Character Height</b>	<b>Max. Watts per face RGB</b>
16x48	1'11" x 3'6" x 8"	0.56 x 1.05 x 0.21	60 (28)	2/9	4" - 10"	170
16x64	1'11" x 4'4" x 8"	0.56 x 1.32 x 0.21	70 (32)	2/12	4" - 10"	210
16x80	1'11" x 5'3" x 8"	0.56 x 1.58 x 0.21	80 (37)	2/16	4" - 10"	240
16x96	1'7" x 5'9" x 8"	0.46 x 1.74 x 0.21	80 (37)	2/19	4" - 10"	280
16x112	1'7" x 6'7" x 8"	0.46 x 2.01 x 0.21	90 (41)	2/22	4" - 10"	340
16x128	1'7" x 7'6" x 8"	0.46 x 2.27 x 0.21	100 (46)	2/25	4" - 10"	380
16x144	1'7" x 8'4" x 8"	0.46 x 2.54 x 0.21	110 (50)	2/28	4" - 10"	410
16x160	1'7" x 9'3" x 8"	0.46 x 2.80 x 0.21	120 (55)	2/32	4" - 10"	450
16x176	1'7" x 10'1" x 8"	0.46 x 3.07 x 0.21	130 (59)	2/35	4" - 10"	510
16x192	1'7" x 10'11" x 8"	0.46 x 3.33 x 0.21	140 (64)	2/38	4" - 10"	550
16x208	1'7" x 11'10" x 8"	0.46 x 3.59 x 0.21	150 (69)	2/41	4" - 10"	580
16x224	1'7" x 12'8" x 8"	0.46 x 3.86 x 0.21	160 (73)	2/44	4" - 10"	620
16x240	1'7" x 13'7" x 8"	0.46 x 4.12 x 0.21	170 (78)	2/48	4" - 10"	680
16x256	1'7" x 14'5" x 8"	0.46 x 4.39 x 0.21	180 (82)	2/51	4" - 10"	720
32x48	2'9" x 3'6" x 8"	0.83 x 1.05 x 0.21	80 (37)	4/9	4" - 21"	280
32x64	2'5" x 4'0" x 8"	0.73 x 1.22 x 0.21	80 (37)	4/12	4" - 21"	350
32x80	2'5" x 4'11" x 8"	0.73 x 1.48 x 0.21	100 (46)	4/16	4" - 21"	410
32x96	2'5" x 5'9" x 8"	0.73 x 1.74 x 0.21	120 (55)	4/19	4" - 21"	520
32x112	2'5" x 6'7" x 8"	0.73 x 2.01 x 0.21	130 (59)	4/22	4" - 21"	590
32x128	2'5" x 7'6" x 8"	0.73 x 2.27 x 0.21	150 (69)	4/25	4" - 21"	690
32x144	2'5" x 8'4" x 8"	0.73 x 2.54 x 0.21	170 (78)	4/28	4" - 21"	760
32x160	2'5" x 9'3" x 8"	0.73 x 2.80 x 0.21	180 (82)	4/32	4" - 21"	830
32x176	2'5" x 10'1" x 8"	0.73 x 3.07 x 0.21	200 (91)	4/35	4" - 21"	900
32x192	2'5" x 10'11" x 8"	0.73 x 3.33 x 0.21	220 (100)	4/38	4" - 21"	970
32x208	2'5" x 11'10" x 8"	0.73 x 3.59 x 0.21	230 (105)	4/41	4" - 21"	1,070
32x224	2'5" x 12'8" x 8"	0.73 x 3.86 x 0.21	250 (114)	4/44	4" - 21"	1,140
32x240	2'5" x 13'7" x 8"	0.73 x 4.12 x 0.21	270 (123)	4/48	4" - 21"	1,210
32x256	2'5" x 14'5" x 8"	0.73 x 4.39 x 0.21	280 (128)	4/51	4" - 21"	1,310
48x48	3'3" x 3'2" x 8"	0.99 x 0.95 x 0.21	90 (41)	6/9	4" - 31"	380
48x64	3'3" x 4'0" x 8"	0.99 x 1.22 x 0.21	110 (50)	6/12	4" - 31"	480
48x80	3'3" x 4'11" x 8"	0.99 x 1.48 x 0.21	130 (59)	6/16	4" - 31"	620
48x96	3'3" x 5'9" x 8"	0.99 x 1.74 x 0.21	160 (73)	6/19	4" - 31"	720
48x112	3'3" x 6'7" x 8"	0.99 x 2.01 x 0.21	180 (82)	6/22	4" - 31"	860
48x128	3'3" x 7'6" x 8"	0.99 x 2.27 x 0.21	200 (91)	6/25	4" - 31"	970
48x144	3'3" x 8'4" x 8"	0.99 x 2.54 x 0.21	230 (105)	6/28	4" - 31"	1,100
48x160	3'3" x 9'3" x 8"	0.99 x 2.80 x 0.21	250 (114)	6/32	4" - 31"	1,210
48x176	3'3" x 10'1" x 8"	0.99 x 3.07 x 0.21	270 (123)	6/35	4" - 31"	1,310
48x192	3'3" x 10'11" x 8"	0.99 x 3.33 x 0.21	290 (132)	6/38	4" - 31"	1,410
48x208	3'3" x 11'10" x 8"	0.99 x 3.59 x 0.21	320 (146)	6/41	4" - 31"	1,520
48x224	3'3" x 12'8" x 8"	0.99 x 3.86 x 0.21	340 (155)	6/44	4" - 31"	1,650
48x240	3'3" x 13'7" x 8"	0.99 x 4.12 x 0.21	360 (164)	6/48	4" - 31"	1,760
48x256	3'3" x 14'5" x 8"	0.99 x 4.39 x 0.21	390 (177)	6/51	4" - 31"	1,860
<b>Additional matrix sizes available</b>						
Measurements are approximate. For precise measurements, request a Daktronics shop drawing.						

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## MODEL SPECIFICATIONS

Lines and Columns	Single-face Cabinet Feet and Inches (H x W x D)	Single-face Cabinet Meters (H x W x D)	Single-face Weight Pounds (kg)	Lines/Characters per line	Character Height	Max. Watts per face RGB
64x48	4'2" x 3'2" x 8"	1.26 x 0.95 x 0.21	110 (50)	8/9	4" - 42"	520
64x64	4'2" x 4'0" x 8"	1.26 x 1.22 x 0.21	140 (64)	8/12	4" - 42"	660
64x80	4'2" x 4'11" x 8"	1.26 x 1.48 x 0.21	170 (78)	8/16	4" - 42"	830
64x96	4'2" x 5'9" x 8"	1.26 x 1.74 x 0.21	200 (91)	8/19	4" - 42"	970
64x112	4'2" x 6'7" x 8"	1.26 x 2.01 x 0.21	230 (105)	8/22	4" - 42"	1,140
64x128	4'2" x 7'6" x 8"	1.26 x 2.27 x 0.21	260 (118)	8/25	4" - 42"	1,280
64x144	4'2" x 8'4" x 8"	1.26 x 2.54 x 0.21	280 (128)	8/28	4" - 42"	1,410
64x160	4'2" x 9'3" x 8"	1.26 x 2.80 x 0.21	310 (141)	8/32	4" - 42"	1,550
64x176	4'2" x 10'1" x 8"	1.26 x 3.07 x 0.21	340 (155)	8/35	4" - 42"	1,720
64x192	4'2" x 10'11" x 8"	1.26 x 3.33 x 0.21	370 (168)	8/38	4" - 42"	1,860
64x208	4'2" x 11'10" x 8"	1.26 x 3.59 x 0.21	400 (182)	8/41	4" - 42"	2,000
64x224	4'2" x 12'8" x 8"	1.26 x 3.86 x 0.21	430 (196)	8/44	4" - 42"	2,140
64x240	4'2" x 13'7" x 8"	1.26 x 4.12 x 0.21	460 (209)	8/48	4" - 42"	2,310
64x256	4'2" x 14'5" x 8"	1.26 x 4.39 x 0.21	490 (223)	8/51	4" - 42"	2,450
80x48	5'0" x 3'2" x 8"	1.52 x 0.95 x 0.21	130 (59)	10/9	4" - 52"	620
80x64	5'0" x 4'0" x 8"	1.52 x 1.22 x 0.21	170 (78)	10/12	4" - 52"	790
80x80	5'0" x 4'11" x 8"	1.52 x 1.48 x 0.21	200 (91)	10/16	4" - 52"	1,000
80x96	5'0" x 5'9" x 8"	1.52 x 1.74 x 0.21	240 (109)	10/19	4" - 52"	1,210
80x112	5'0" x 6'7" x 8"	1.52 x 2.01 x 0.21	270 (123)	10/22	4" - 52"	1,380
80x128	5'0" x 7'6" x 8"	1.52 x 2.27 x 0.21	310 (141)	10/25	4" - 52"	1,550
80x144	5'0" x 8'4" x 8"	1.52 x 2.54 x 0.21	340 (155)	10/28	4" - 52"	1,760
80x160	5'0" x 9'3" x 8"	1.52 x 2.8 x 0.21	380 (173)	10/32	4" - 52"	1,930
80x176	5'0" x 10'1" x 8"	1.52 x 3.07 x 0.21	410 (186)	10/35	4" - 52"	2,140
80x192	5'0" x 10'11" x 8"	1.52 x 3.33 x 0.21	450 (205)	10/38	4" - 52"	2,310
80x208	5'0" x 11'10" x 8"	1.52 x 3.59 x 0.21	480 (218)	10/41	4" - 52"	2,520
80x224	5'0" x 12'8" x 8"	1.52 x 3.86 x 0.21	520 (236)	10/44	4" - 52"	2,690
80x240	5'0" x 13'7" x 8"	1.52 x 4.12 x 0.21	560 (255)	10/48	4" - 52"	2,900
80x256	5'0" x 14'5" x 8"	1.52 x 4.39 x 0.21	590 (268)	10/51	4" - 52"	3,070
96x48	5'11" x 3'2" x 8"	1.78 x 0.95 x 0.21	150 (69)	12/9	4" - 62"	720
96x64	5'11" x 4'0" x 8"	1.78 x 1.22 x 0.21	200 (91)	12/12	4" - 62"	930
96x80	5'11" x 4'11" x 8"	1.78 x 1.48 x 0.21	240 (109)	12/16	4" - 62"	1,210
96x96	5'11" x 5'9" x 8"	1.78 x 1.74 x 0.21	280 (128)	12/19	4" - 62"	1,410
96x112	5'11" x 6'7" x 8"	1.78 x 2.01 x 0.21	320 (146)	12/22	4" - 62"	1,620
96x128	5'11" x 7'6" x 8"	1.78 x 2.27 x 0.21	360 (164)	12/25	4" - 62"	1,830
96x144	5'11" x 8'4" x 8"	1.78 x 2.54 x 0.21	400 (182)	12/28	4" - 62"	2,100
96x160	5'11" x 9'3" x 8"	1.78 x 2.8 x 0.21	440 (200)	12/32	4" - 62"	2,310
96x176	5'11" x 10'1" x 8"	1.78 x 3.07 x 0.21	490 (223)	12/35	4" - 62"	2,520
96x192	5'11" x 10'11" x 8"	1.78 x 3.33 x 0.21	530 (241)	12/38	4" - 62"	2,790
96x208	5'11" x 11'10" x 8"	1.78 x 3.59 x 0.21	570 (259)	12/41	4" - 62"	3,000
96x224	5'11" x 12'8" x 8"	1.78 x 3.86 x 0.21	610 (277)	12/44	4" - 62"	3,210
96x240	5'11" x 13'7" x 8"	1.78 x 4.12 x 0.21	650 (295)	12/48	4" - 62"	3,420
96x256	5'11" x 14'5" x 8"	1.78 x 4.39 x 0.21	690 (313)	12/51	4" - 62"	3,630

**Additional matrix sizes available**

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.