## 5 StewartSigns

## Capabilities for a 8mm 120x28 Full Color LED Display

Your new LED sign will be capable of incredible things! From simple text to amazing animations, our signs allow your organization to thrive through effective communication. Learn more on our LED Sign Education page.

## Understanding Your LED Display

## Pixel Pitch

8 mm ( 0.31 in .) is the pixel pitch. This is the distance between the centers of individual pixels (points of light) in the LED display. The smaller the pitch, the more pixels can fit inside of the display.
$120 \times 28$ is the matrix size. This is the number of pixels high (120) and the number of pixels wide (28) of the display. That's $\mathbf{3 , 3 6 0}$ pixels per side! The more pixels, the higher the clarity and amount of detail that can be shown.








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## Display Colors

This full-color display is capable of showing an enormous number of colors by combining red, green and blue light in different amounts!


## Optimum Viewing Distance

The optimum viewing distance for this display is up to 23 '. Greater than 23 ' will decrease the display's readability. Learn more.


The display area is approximately $3^{\prime}-1.75$ " high by 8.75 " wide, or 2.3 sq.ft. per side.

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## Text Capabilities

The maximum amount of text for your LED display is 15 rows of 2.2" text. This size uses pixel text for optimum screen usage and clarity.


A message can also be created using 3 rows of 12.4 " text. This sized text is suitable for traffic speeds of up to $70+\mathbf{m p h}$.


In addition to pixel text, your message can be shown in many fonts and styles. Color and outline options are also available for full-color displays.


## Full Text Capabilities

This display is capable of the following text sizes. Miles per hour are based on five seconds of readability at that constant speed.

15 rows of 2.2" text * (Up to 15 mph .)
12 rows of 2.8 " text * (Up to 19 mph .)
10 rows of $3.1^{\prime \prime}$ text * (Up to 21 mph .)
12 rows of up to 3 " text (Up to 20 mph .)
11 rows of up to $3.3^{\prime \prime}$ text (Up to 22 mph.)
10 rows of up to 3.6 " text (Up to 25 mph .)
9 rows of up to 4 " text (Up to 27 mph .)
8 rows of up to $4.6^{\prime \prime}$ text (Up to 31 mph .)
7 rows of up to $5.2^{\prime \prime}$ text (Up to 35 mph .)
6 rows of up to $6.1^{\prime \prime}$ text (Up to 42 mph .)
5 rows of up to $7.4^{\prime \prime}$ text (Up to 50 mph .)
4 rows of up to $9.3^{\prime \prime}$ text (Up to 63 mph .)
3 rows of up to $12.4^{\prime \prime}$ text (Up to $70+m p h$.)
2 rows of up to $18.7^{\prime \prime}$ text (Up to $70+m p h$.)
1 row of up to $37.8^{\prime \prime}$ text (Up to $70+$ mph.)

* Using pixel text.


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## Media Capabilities

## Media Library

Our cloud-based software has over 2,000 built-in video clips and images for use on any sized display. Get the maximum impact from your sign immediately with our continually growing library!


Learn more about our Media Library

## Animation Templates

Make compelling, eye-catching custom messages for your sign!* Your text will be brought to life with movement and visual interest. If you can type, you can build amazing sign messages!


Check local ordinances regarding sign content.

Learn more about our Animation Templates

Of course, you can upload and use your own images and video clips as well. We support AVI, BMP, GIF, JPG, MOV, MP4, MPG, PNG, TIF and WMV formats, with unlimited media file storage. Learn more about your new sign's capabilities with our cloud-based software SignCommand.com!

