

## Image File Guidelines for ImageWall and ImageLines

### File Types and Formats

Zahner ImageWall and ImageLines require raster image file types and can accept .bmp, .gif, .jpeg, and .png formats.

### Aspect Ratio

The aspect ratio of the image file should always match the aspect ratio of the project scope. For example, in a project scope of 40' x 20', the aspect ratio would be 2:1 ( $40/20=2$ ). The corresponding image file should therefore also be 2:1. In this case, acceptable file dimensions would be 960 x 480 pixels (2 ppi) or 1920 x 960 pixels (4 ppi).

If the aspect ratio of the image file and the aspect ratio of the project scope do not match, additional collaboration is required to ensure that the image is correctly captured in the product.

### Color

Grayscale image files are recommended, as they best approximate the resulting perforation pattern.

### Resolution

For very large project scopes (eg, a facade), a minimum of one pixel per inch (ppi) of project scope is recommended. For example, a 900' x 60' facade would require an input image file with a minimum resolution of 10,800 x 720 pixels.

For smaller projects, or instances where maintaining the fidelity of the image is critical, a minimum of 2 pixels per inch of project scope is recommended. For example, a 10' x 30' feature wall would require an input image file with a minimum resolution of 240 x 720 pixels.

### Text and lines

When possible, avoid the inclusion of text and lines that cannot be represented by a 1/2" grid. For example, if an area is intended to read as shadow, the shadow area should not be composed of cross-hatch lines and should be replaced with a constant shading. See "Use of Blurring" below for recommendations on image file manipulation where fine detail needs to be replaced with a more gradual shading effect.

### Use of Blurring

Blurring of an image, or of specific details within an image, can reduce high contrast boundaries that may not translate to the perforation pattern. Fine detail should be blurred, or overlaid with a shade, to produce better results.

