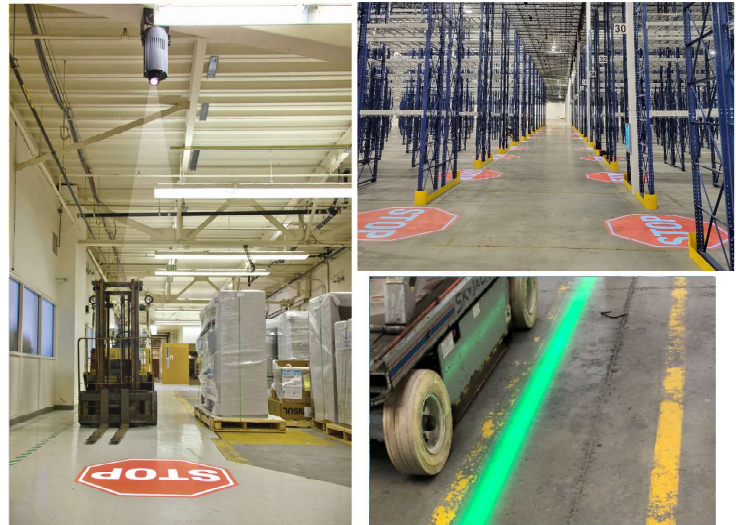


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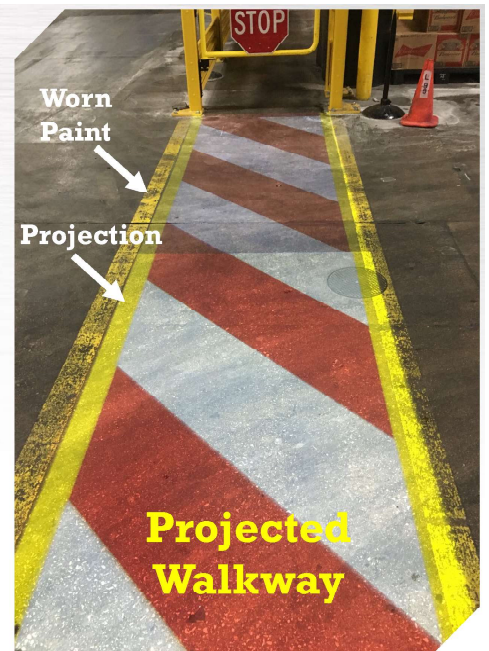
GS Series VIRTUAL PROJECTION SIGN LIGHTING

Projected Virtual Signs



For Industrial Applications

- Virtual Signs are also called Projected Signs
- A Virtual Sign is an Image, projected onto a Surface
- Paint and Tape start wearing immediately after application
- Virtual Signs don't wear!
- Virtual Signs work in Wet, Dusty or Dim Environments



Virtual Sign Projector: How It Works

- A Virtual Sign is an Image, projected onto a Surface
- To achieve this, a Gobo is placed into a Projector
- A Gobo is the durable equivalent of a photographic slide, made from glass.
- It can easily be swapped out to change the projected image.



Virtual Signs – Typical Applications

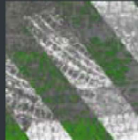





- General Signage
- Safety/Guidance Signage
- Designated areas
- Corporate Logos and communication
- Retail
- Events



Virtual Signs – Advantages vs. Paint & Tape

- Increase Safety & Awareness
- Visible in Dim Environments
- Minimize Maintenance and Spending
- Works in Wet and Dusty Environments
- Stay OSHA Compliant
- No Paint Particle Pollution
- Flexible – Easy Sign Change
- Easy Inhouse Installation

Traditional vs. Virtual Signs
In high traffic environments

	Paint or Adhesive Signage	Projected Signage
 Longevity	3-4 months	Life of the projector (~6 years)
 Maintenance	Expensive and time intensive. Significantly slows or halts production.	Inexpensive and fast. Minimal impact on production.
 Cost	\$1k to \$4k annually	\$500 to \$6k one-time investment . Typical ROI time ~1-2 years
 Visibility	Limited: Workers become accustomed to traditional signage reducing effectiveness and safety.	High: Active projection with blinking, rotating, and motion sensor capabilities attracts attention day after day
 Durability	Low: Foot and vehicle traffic wears off both adhesive and painting signage.	High: No wear and tear from foot or vehicle traffic. Stands up to humidity, cold, and dirt.
 Flexibility	Limited: Signs must be scraped off and reapplied.	Simply swap out the gobo to change signage.

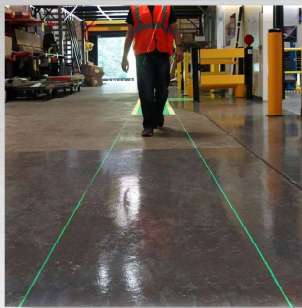
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GS Series VIRTUAL PROJECTION SIGN LIGHTING

Worn Paint or Tape vs. Projected Sign



Virtual Signage Projector Types



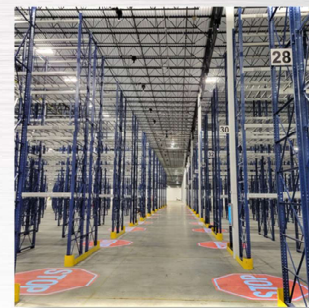
Line Lasers

- Brightest thin line (green)
- Extremely compact
- Very low power
- Long lines at short distances



Line Projectors

- Bright, thick line
- Most cost effective
- Long lines at relative short distances



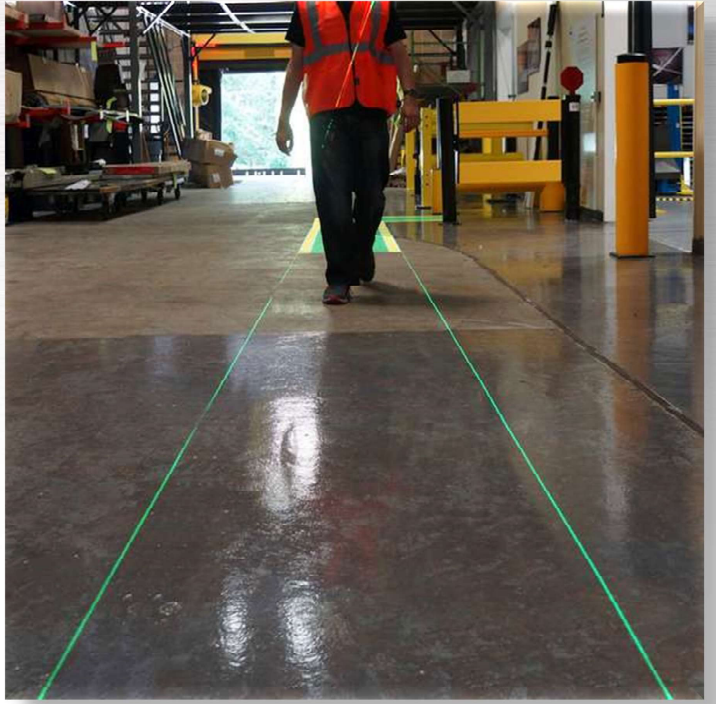
Sign Projectors

- Any custom signage, such as directional, safety, informational, crosswalks, etc.
- Widest range of applications

GS Series VIRTUAL PROJECTION SIGN LIGHTING

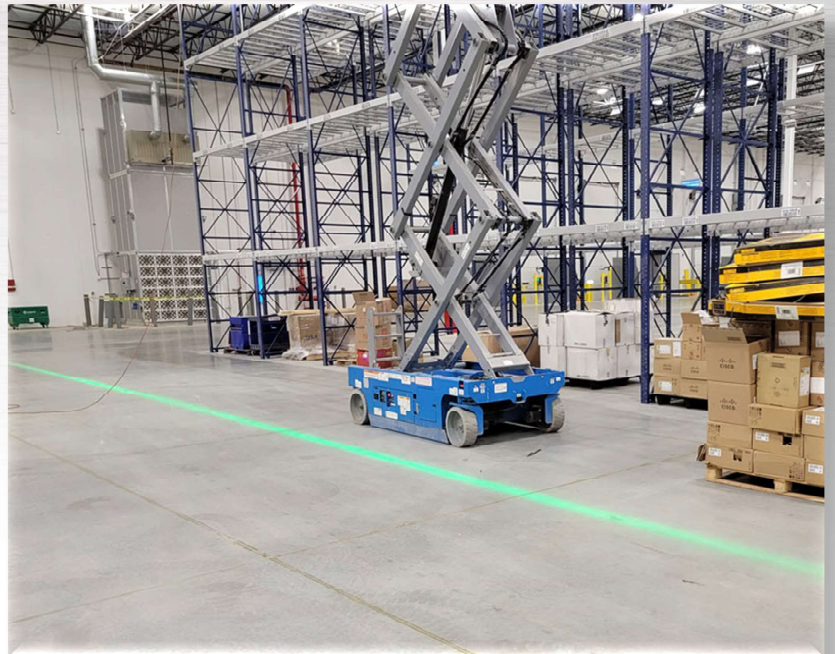
Line Lasers

- Line width: 1/8 – 1/4 inch
- Line length up to 70ft per laser (green)
- Line appearance: Bright, thin
- Line colors: Red, Green
- Power usage: Very low, 1 - 3W ea.
- Extremely compact
- Life 9,000h (not serviceable)



Line Projectors

- Line width: 3 to 6 inch
- Line length: Up to 50ft per projector
- Line appearance: Bright, slightly fuzzy
- Line colors: Yellow, Amber, Green, Blue, Red
- Power usage: Medium, 80W-150W
- LED life: 30,000+ hours (serviceable)

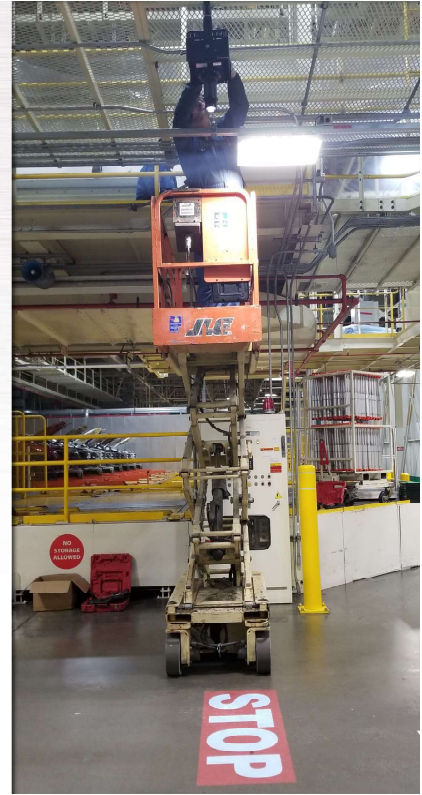
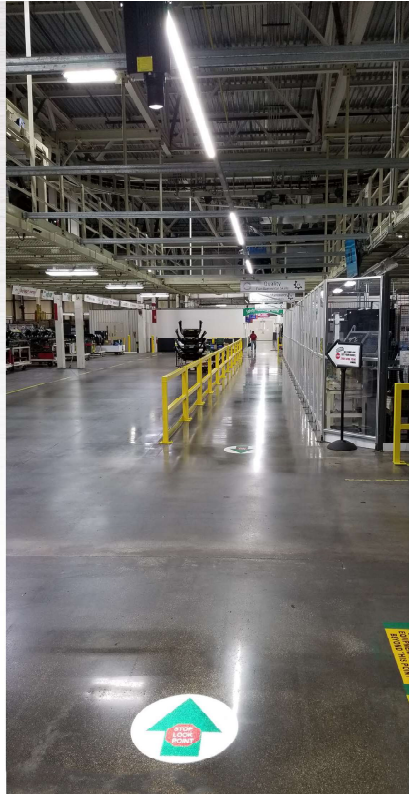


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GS Series VIRTUAL PROJECTION SIGN LIGHTING

Sign Projectors

- **Small**
 - Sign size 2 - 5ft
 - Projector power 25 - 60W
 - Typ. distance 6 - 36ft
- **Large**
 - Typical sign size 6 - 12ft
 - Projector power 90 - 150W
 - Typ. projector distance 10 - 36ft



Typical Sign Gobos

➤ Custom made or Stock



Eco Spot PCE - Series Gobo Projectors

For Rugged-, Dusty- and Wet Environments

- The only UL-listed Electric Sign Projector in the market
- Passive cooling, no fans or motors
- No service required
- Field replaceable LEDs
- Power 20-300W, 95-277V
- UL/cUL rated for wet environments E4993665



Eco Lines - Line Projectors

For Rugged-, Dusty- and Wet Environments

- Project a single 3"-6" wide line
- Line Colors: yellow, green, orange, blue, red
- Line length up to 48' in bright environments
- Wide power and temperature range
- Passive cooling, no fans or motors
- No service required, field replaceable LEDs
- Power 80-150W, 95-277V

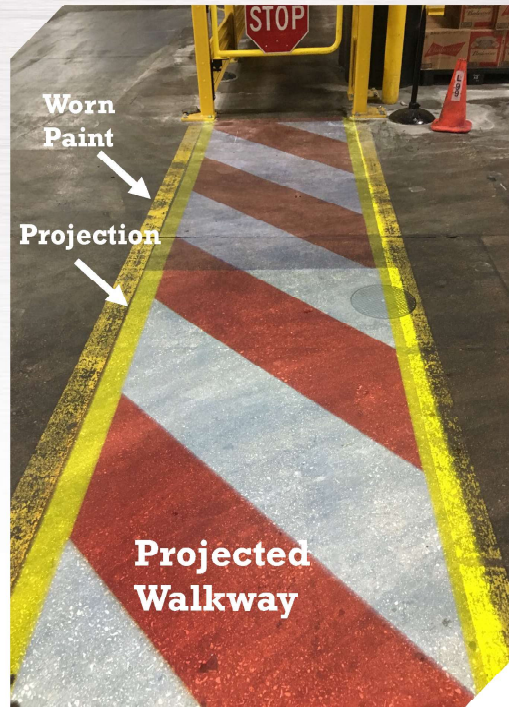


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GS Series VIRTUAL PROJECTION SIGN LIGHTING

Applications - Walkways

- Typical size 10 - 15ft
- Projector power 90 - 300W
- Typical projector distance 16 - 42ft



Applications - Large Intersections

- Spans longer than 15ft
- Accomplished with multiple projectors



Applications - Door Swings and Motion Sensors

- Our ECO Spot Projectors can be controlled with motion sensors or auxiliary contacts
- Control Modules with Blink, Dim, Fade - functionality available



Ensure Compliance - 1

Rugged Conditions

- Use virtual signage in wet, cold, humid, or dusty environments where painted and adhesive signage can wear off quickly.
- Wherever paint or tape are impractical, projected signage is up to the job.



VS



High Traffic and Risk Areas

- Increase safety with projected signage, that withstands both, foot and vehicle traffic.
- Keep signage maintenance at a minimum and avoid interrupting production.
- Increase awareness with blinking or rotating signage.
- Add motion sensors to warn workers as they approach high-risk areas.

Ensure Compliance - 2

Moving Equipment

- Move your signage with industrial vehicles by installing projectors on cranes and forklifts, projecting critical safety messages as the equipment moves throughout the space.

Dim Environment

- Ensure maximum safety throughout your space with projected signs that are highly visible in bright and low-light environments.

Infos / Materials

- [Virtual Signs Product Page](#)
- [General Downloads Page](#)
- [Site Survey Form Online](#)
- [Site Survey Form PDF Download](#)
- [Virtual Signs Brochure](#)
- [Projector Photometrics](#)

Educational

- [All Virtual Signage Blog Posts](#)
- [Virtual Signage 101](#)
- [Guide to Creating Virtual Walkways](#)
- [5 Reasons to Use Virtual Signage](#)