

Projected Signs



For Industrial Applications



FORKLIFT TRAINING SYSTEMS

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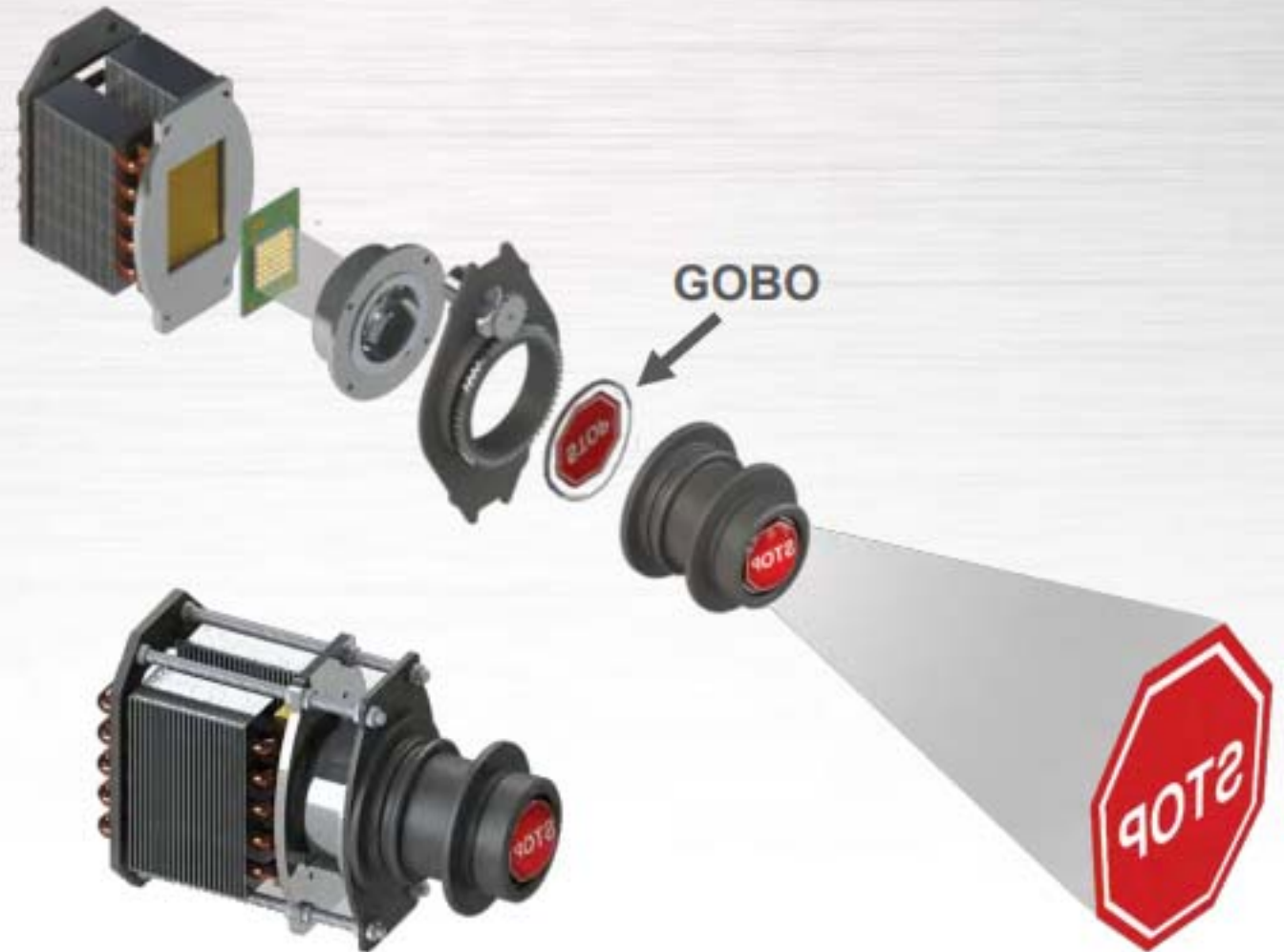
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Gobo Projector: How It Works

- GOBO – A gobo, short for “goes before optics”, is a physical stencil or template that is placed inside a light source to control the shape of the emitted light.
- it's the equivalent of a photographic slide.
- it can easily be changed out to change the projection.



Eco Spot PCE Series Gobo Projectors

- **For Rugged-, Dusty- and Wet environments**
- Passive cooling, no fans or motors
- Long service intervals
- Power 40-300W, 95-277V
- UL/cUL rated for wet environments (2019 models) E4993665



Projected Signs – Advantages

- Improve Safety
- Increase Awareness
- Minimize Maintenance
- Reduce Spending
- No paint particle pollution
- Stay OSHA compliant
- Better Visibility
- Works where paint and tape is impractical
- Easy inhouse installation



Traditional vs. Projected Signage



	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	\$500k 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.



Paint vs Projection in High Traffic Areas

	Paint or Adhesive Signage	Projected Signage
Longevity	3-4 months	6+ years (typ. projector life)
Maintenance	Expensive and time intensive	Inexpensive and fast. Minimal impact on production
Cost	\$1k - \$4k annually	\$0.5 - \$6k one-time investment Typical ROI time ~1-2yrs
Visibility	Limited – Wears and workers become accustomed	High – Active light attracts attention, can have motion or blink/fade
Flexibility	Limited - Signs must be scraped and repainted	High – Just replace the gobo to change signage
Durability	Low – wears off from traffic	High – No wear



Worn Paint or Tape vs. Projected Sign



Typical Sign Gobos



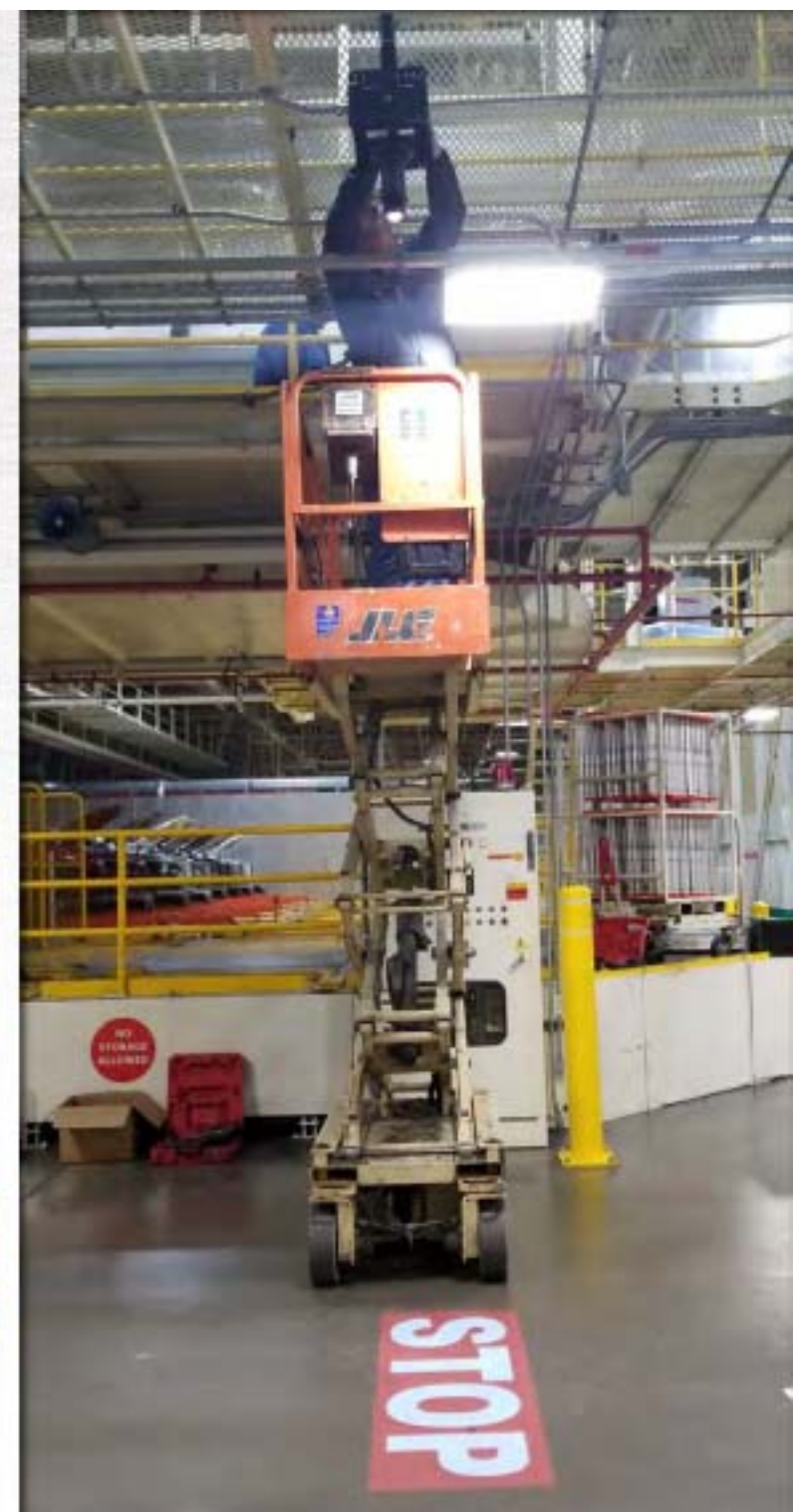
Signs

➤ Small

- Sign size 2 - 5ft
- Projector power 25 - 60W
- Typ. distance 6 - 36ft

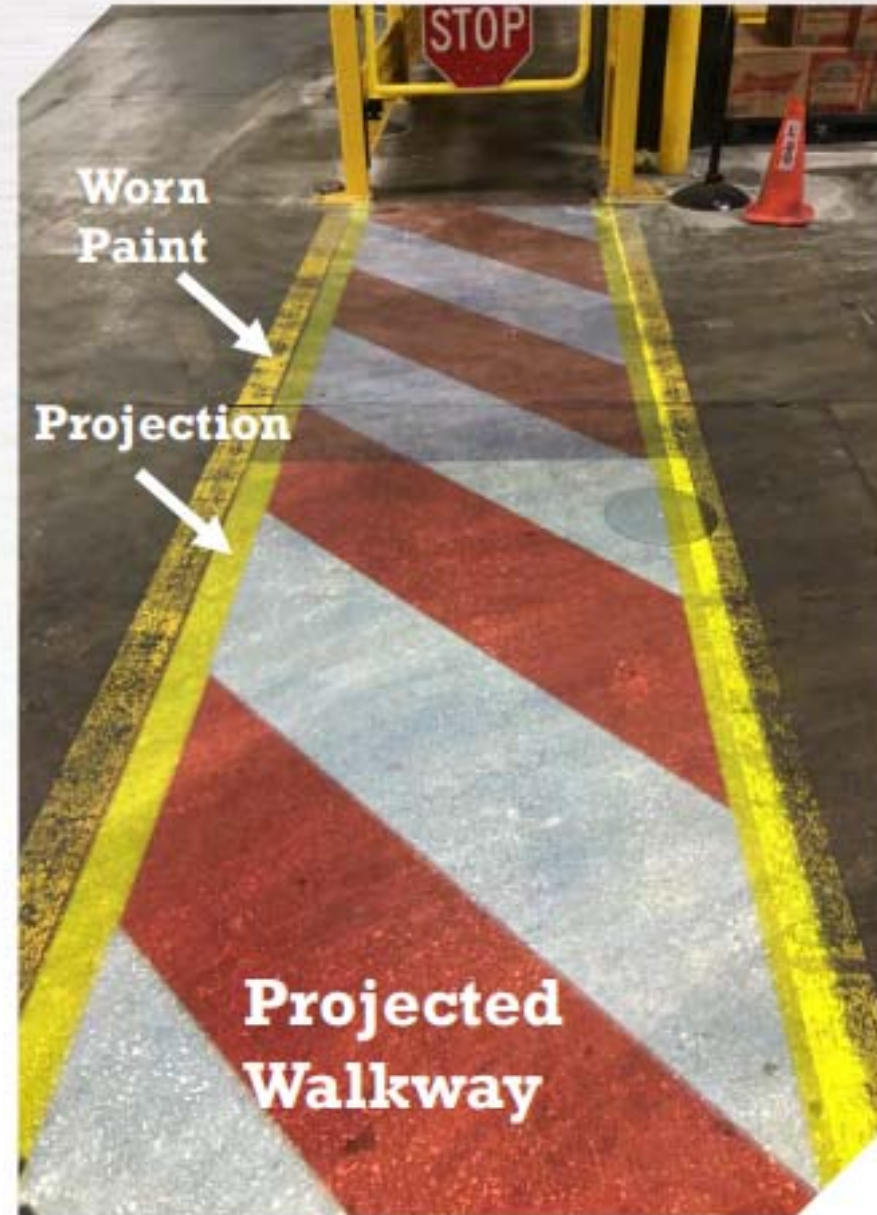
➤ Large

- Typical sign size 6 - 12ft
- Projector power 90 - 150W
- Typ. projector distance 10 - 36ft



Walkways

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



Large Intersections

- Spans longer than 15ft are done with multiple projectors.



Door Swings and Motion Sensors

- Projectors can be controlled with motion sensors
- Simplest solution: Switch line power, projectors turn on/off instantly
- Sensing input available on most projectors

