



LASERGLOW TECHNOLOGIES

SAFETY SOLUTIONS CATALOG

Solutions designed for high-performance environments, where heavy equipment and machinery operate alongside pedestrians, all developed to protect your facility and keep you safe.



SCAN HERE
TO VISIT
OUR WEBSITE

SETTING SAFETY STANDARDS

MOST INDUSTRIAL INCIDENTS ARE PREVENTABLE



HERE IS WHY INVESTING IN SAFETY IS NECESSARY:



OSHA reports that 5,000 workers are killed on the job every year (14 per day).



2.8 million nonfatal workplace injuries and illnesses happened in 2022 according to OSHA (increase of 7.5% from 2021)



According to OSHA, the average total costs per workplace accident are \$704,131.



OSHA states that 80% of forklift accidents result in injury to pedestrians. In 2022 only, 4,695 preventable workplace deaths happened (nearly 5% increase).

CATALOGUE

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SAFETY SOLUTIONS

LASERGLOW™ TECHNOLOGIES

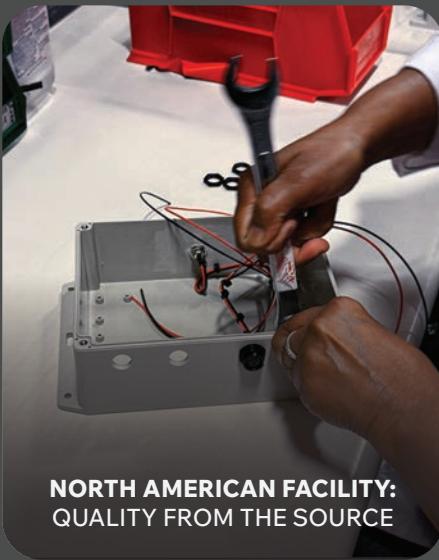
For years, Laserglow Technologies has been dedicated to developing innovative safety products and solutions. Our selection of photonic products spans from LED Projectors to AI-Powered detection systems, all designed to protect your facility and keep your employees safe.

Setting Safety Standards. Built on Innovation and Trust.



Choose Laserglow™ for 20+ years of precise, cost-effective solutions:

Laserglow™ is globally trusted for excellence in solutions that meet international safety standards. From factories to warehouses, our products are widely used worldwide, reflecting universal applicability and the confidence placed in our expertise.

20+**YEARS IN BUSINESS****3000+****SATISFIED CUSTOMERS****12,000+****PROJECTS****6****CONTINENTS**



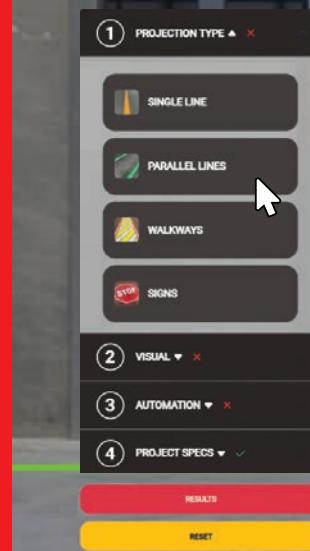
CONNECT WITH US
**SET UP A
MEETING**

Schedule a quick 30-minute Teams call with our sales tech team to explore tailored safety solutions. We will help you identify the best technologies for your applications and discuss customized options to enhance workplace safety and efficiency



INTERACTIVE ENVIRONMENT
**USE OUR
ESTIMATOR TOOL**

Laserglow's interactive estimator tool simplifies choosing the right solutions by providing tailored recommendations based on your choices. With real-time visualization on details such as projected dimensions and LUX values, it is easier than ever to find the best fit for your needs.



DIVE DEEPER INTO OUR SOLUTIONS
**READ OUR CASE
STUDIES**

Discover how Laserglow transforms workplace safety with innovative photonics and automation solutions. Our case studies showcase real-world applications, highlighting measurable outcomes. Explore how industry leaders trust our expertise to create safer, more productive environments.



SAFETY PROJECTIONS

PROJECTED LINES

Painted or taped floor markings can often lead to dangerous situations, resulting in collisions, injuries, and repairs. When lines are faded and worn out, it is hard for workers to identify restricted areas or safety zones.

Laserglow's advanced projected line solutions deliver clear, bright lines that enhance safety and efficiency in any industrial environment, offering unmatched precision and reliability.



SEGMENTS SUITABLE FOR PROJECTED LINES:

- Warehouses
- Automotive
- Metallurgical
- Aerospace
- Manufacturing
- Food Processing

The VirtuaLine Series of Line Projectors are resistant to wear and tear and are a safer alternative to traditional markings. They can be installed up to 45 feet ensuring continuous visibility and high safety standards at all times. VirtuaLine Projectors have a lifespan of around 30,000 hours, which makes them highly durable and trusted solution.



HIGHLY VISIBLE PROJECTION



EASY TO INSTALL



NO SURFACE PREPARATION



ADJUSTABLE LINE LENGTH



SMART TRIGGERED

APPLICATION IDEAS:



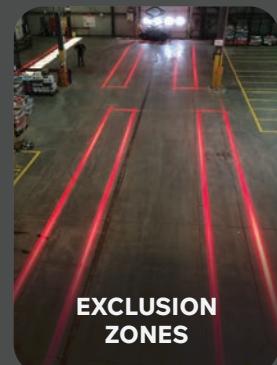
PEDESTRIAN LANES



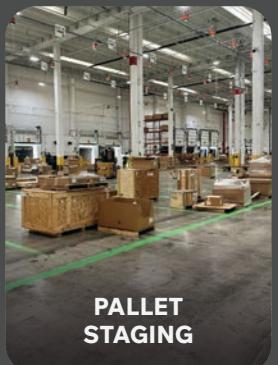
AGV LANES



DEMARCATION ZONES



EXCLUSION ZONES



PALLET STAGING

PRODUCTS - PROJECTED LINES



VIRTUALLINE MINI™

Line Thickness: 3" - 4"

Colors Offered:

Mounting Height: Up to 30ft (10m)

- ✓ IP65
- ✓ Fixed Focus
- ✓ Easier to Transport



VIRTUALLINE™

Line Thickness: 1" - 8"

Colors Offered: or (switchable)

Mounting Height: Up to 45ft (15m)

- ✓ IP65
- ✓ Focus Adjustable
- ✓ Thick/Thin lines



SCAN HERE TO REQUEST A QUOTE USING OUR INTERACTIVE ESTIMATOR TOOL



OPTIONAL ACCESSORIES:



Line Length Limiting Panels



No Drill Magnetic Mount

COMMON Specs:

- Rated Power: 80 W
- Light Source Life (MTTF): 30,000 hours at 25°C/77°F
- Standard Angle Lens: Line Length = approximately 1.0 x mounting height / Wide Angle Lens: Line Length = approximately 1.5 x mounting height
- Temperature Range: -20°C to 50°C (-4 to 120 °F)
- 100-240 VAC nominal, 50/60 Hz, 0.67A, 80W

SAFETY PROJECTIONS

PROJECTED SIGNS

Traditional painted signs often fade due to constant foot traffic and blend into the background over time, losing their effectiveness. Physical signs also involve constant maintenance, which incurs costs and requires downtime, disrupting operations and compromising safety.

Laserglow's projected signs require minimal upkeep, offering a dynamic, long-lasting solution that does not fade like traditional paint.



SEGMENTS SUITABLE FOR PROJECTED SIGNS:

- Warehouses
- Automotive
- Metallurgical
- Aerospace
- Manufacturing
- Food Processing

With a mounting height of up to 45 feet, SafetyCast™ virtual signs remain bright, ensuring constant awareness and lasting up to 30,000 hours. When paired with sensors, these signs can be activated by specific triggers, preventing fatigue, and presenting information only when needed. This unique blend makes SafetyCast™ perfectly suited for upholding superior safety and awareness across diverse environments.



ULTRA
VISIBLE



HIGHLY
DURABLE



CUSTOM
PROJECTION



COST
EFFECTIVE



SMART
TRIGGERED

APPLICATION IDEAS:



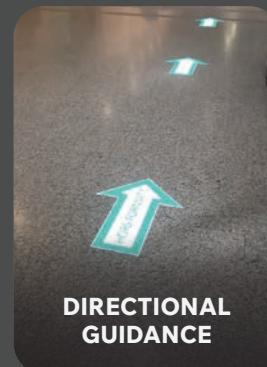
INTERSECTION
MANAGEMENT



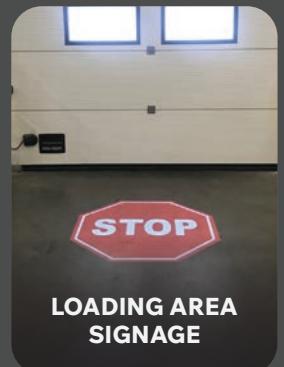
AREA
DEMARCATION



DYNAMIC
SIGNAGE



DIRECTIONAL
GUIDANCE



LOADING AREA
SIGNAGE

PRODUCTS - PROJECTED SIGNS



SAFETYCAST™ 80

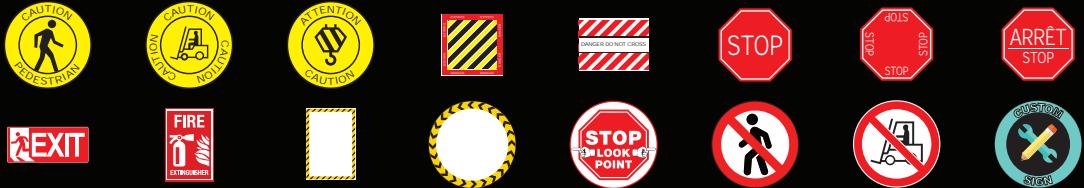
Mounting Height: Up to 30 ft (10 meter)
Operating Life: 30,000+ Hours
Power: 80w



SAFETYCAST™ 300

Mounting Height: Up to 45 ft (15 meter)
Operating Life: 30,000+ Hours
Power: 300w

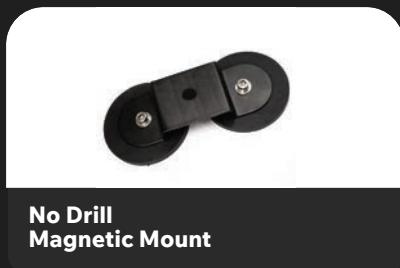
EXAMPLES OF OUR SAFETY SIGNS



SCAN HERE TO REQUEST A QUOTE USING OUR INTERACTIVE ESTIMATOR TOOL



OPTIONAL ACCESSORIES:



**No Drill
Magnetic Mount**

COMMON Specs:

- Type of Light Source: High Performance LED
- Light Source Life (MTTF: 30,000 hours at 25°C/77°F)
- Projection Distance: Up to 25 ft (8 m) / 45 ft (15 m) in dark ambient lighting
- Temperature Range: -20°C to 50°C (-4 to 120 °F)
- IP Rating: IP65
- Projector Power: 80W/300W
- 100-240 VAC nominal, 50/60 Hz, 2.5A

SAFETY PROJECTIONS

PROJECTED WALKWAYS

Over time traditional painted walkways can fade due to wear and tear. The lack of clear visibility increases the likelihood of pedestrian accidents, particularly in busy areas, where it can lead to safety hazards and potential regulatory issues.

Designed to withstand, our projection systems provide clear, bright walkways, offering a dynamic and long-lasting solution that does not fade like paint or tape.



SEGMENTS SUITABLE FOR PROJECTED WALKWAYS:

- Warehouses
- Automotive
- Metallurgical
- Aerospace
- Manufacturing
- Food Processing

Our LED projection systems has a lifespan of around 30,000 hours and offers high contrast images that can clearly demarcate pedestrian zones. The use of smart sensors makes walkways adaptive by adjusting projections based on pedestrian traffic or machinery movement, ensuring real-time feedback and enhanced safety with minimal maintenance.



ULTRA
VISIBLE



HIGHLY
DURABLE



CUSTOM
PROJECTION



COST
EFFECTIVE



SMART
TRIGGERED

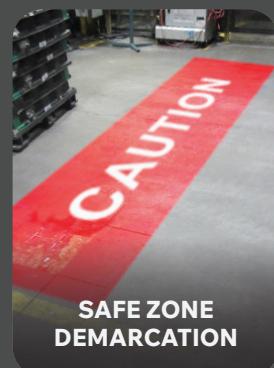
APPLICATION IDEAS:



PEDESTRIAN
WALKWAYS



INTERSECTION
MANAGEMENT



SAFE ZONE
DEMARCATION



PATH
DEMARCATION



PATHWAY
INDICATION

PRODUCTS - PROJECTED WALKWAYS



VIRTUALLINE FILL™

Mounting Height: Up to 30 ft (10m)
Projection Width: Variable (2' to 3')
Single Solid Color:



SAFETYCAST™ 300

Mounting Height: Up to 45 ft (15m)
Projection Width: Variable (mounting height)
Multicolour Walkway W/ Text Available

EXAMPLES OF OUR SAFETY WALKWAYS



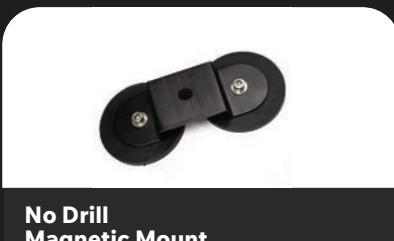
SCAN HERE TO REQUEST A QUOTE USING OUR INTERACTIVE ESTIMATOR TOOL



OPTIONAL ACCESSORIES:



Line Length Limiting Panels



No Drill Magnetic Mount

COMMON Specs:

- Type of Light Source: High Performance LED
- IP Rating: IP65
- Light Source Life (MTTF): 30,000 hours at 25°C/77°F
- Temperature Range: -20°C to 50°C (-4 to 120 °F)
- 100-240 VAC nominal, 50/60 Hz, 80W
- Projection Distance (Respectively): Up to 40 ft (13 m) / Up to 45 ft (15 m) in dark ambient lighting

ADAPTIVE SOLUTIONS:

SMART INDUSTRY 4.0

With the rise of automation and advanced machinery, traditional safety measures often fall short in addressing modern risks. Dynamic work environments, increasing interactions between machines and humans, and rapid industrial processes create new hazards that conventional safety signs and protocols struggle to mitigate.

Laserglow's Industry 4.0 is driving in a new wave of industrial innovation, raising the bar for efficiency, automation, and safety in modern operations.

Laserglow Technologies provides a comprehensive range of adaptive and dependable safety systems that communicate locally, eliminating the risks associated with online networks. These cutting-edge, secure, and user-friendly solutions enable businesses to meet and exceed Industry 4.0 safety requirements, ensuring the protection of workers and seamless operations in an evolving industrial landscape.

**ADAPTIVE SCENARIOS
CAN BE TRIGGERED BY:**

Pedestrian

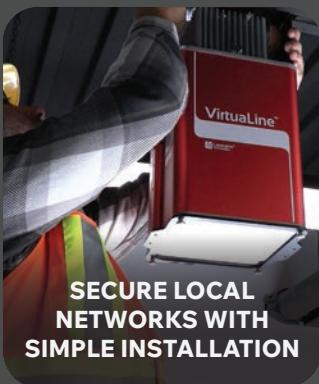
Vehicles

AGVs

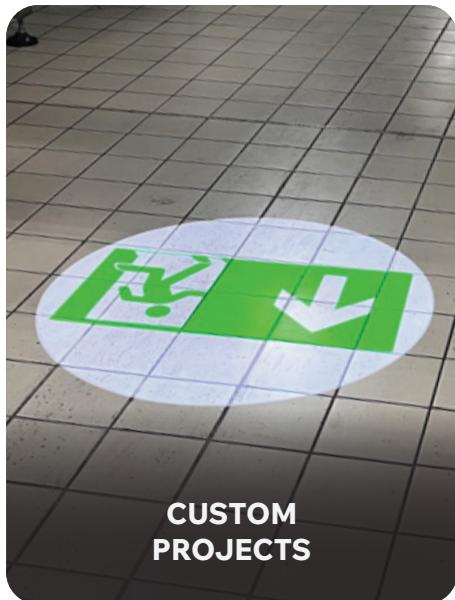
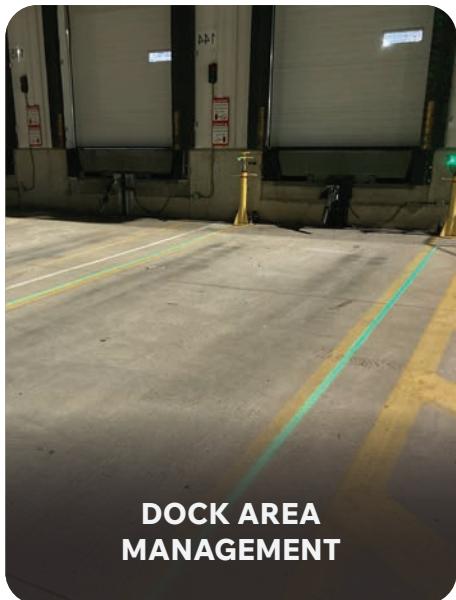
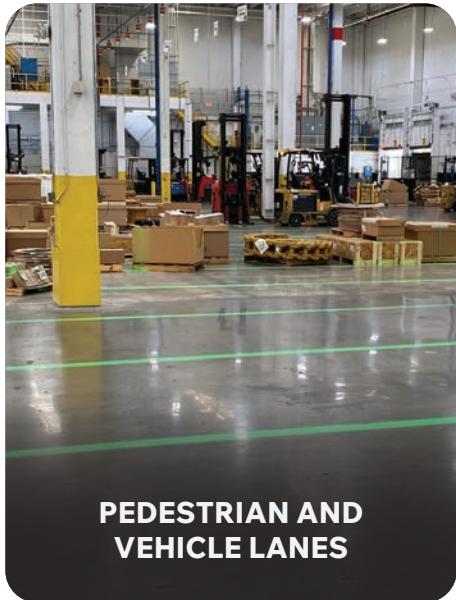
Cranes

PLC Inputs

Laserglow's innovative safety solutions establish secure, self-contained local networks to protect operations from cyber threats, these systems dynamically adapt safety measures, ensuring clear hazard alerts and proactive collision prevention in real-time.



APPLICATION IDEAS:



DYNAMICALLY
TRIGGERED AREAS



OVERCOME
COMPLACENCY



EASY TO
INSTALL



PROLONGS
OPERATING LIFE



INTEGRATES WITH
EXISTING SYSTEMS



START WITH AN APPLICATION,
SCAN HERE TO
BOOK A MEETING



DETECTION

PROXIMITY DETECTION

Workers in industrial settings are at a greater risk of exposure to accidents, and many facilities lack solutions that can adequately minimize accidents between workers and equipment, particularly in high-traffic areas with blind spots. This leads to serious injuries, equipment damage, and liability concerns.

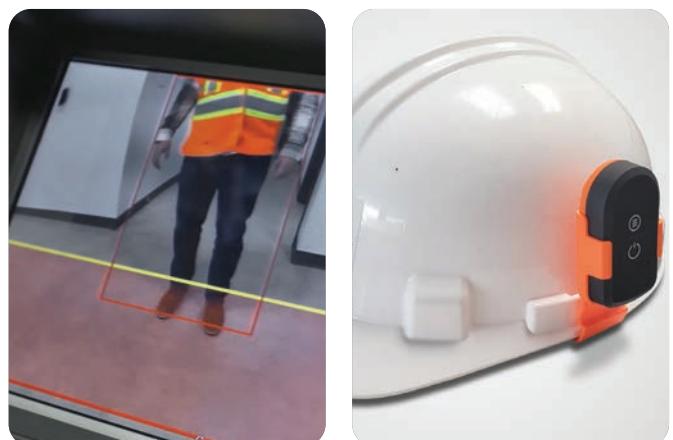
Laserglow's detection systems enhance awareness for both drivers and pedestrians by providing real-time alerts.



SEGMENTS SUITABLE FOR PROXIMITY DETECTION:

Warehouses Automotive Metallurgical
Aerospace Manufacturing Food Processing

Laserglow's proximity detection systems enhance safety using ultra-wideband (UWB) technology and AI-Based Camera Systems. They are able to detect pedestrians within a designated area, offering up to 360° of coverage around vehicles and equipment. With visual and auditory alerts for operators, our solution nurtures a safer environment in demanding industrial settings.



REDUCE
ACCIDENTS



OEM
INDEPENDENT



MINIMAL LOSS
IN PRODUCTIVITY



REDUCE
LOST TIME



CONFIGURABLE
DETECTION ZONES

APPLICATION IDEAS:



VEHICLE TO
VEHICLE
DETECTION



VEHICLE TO
PEDESTRIAN
DETECTION



BLIND SPOT
WARNING



INTERSECTION
MANAGEMENT



GATE
CONTROL

PRODUCTS - PROXIMITY DETECTION



SMART EYE™ DETECT

AI-Based Camera System

Pedestrian Recognition

Operating Environment: Indoor/Outdoor

Alert Types: Operator Visual Alert

Range: 20m Visual Range



SMART PROXIMITY DETECTION SYSTEM

UWB TAG System

Vehicle/Pedestrian Tag

Operating Environment: Indoor/Outdoor

Alert Types: Operator and Pedestrian Alerts

Range: 30m Signal Range



**SCAN HERE TO REQUEST A
QUOTE ON OUR WEBSITE**

SMART EYE™ CAMERA SPECS:

- Dimension: 95 x 60 x 70 mm
- Resolution: 1920 x 1080P
- Frame Rate: 25 or 30
- Video Output: AHD (1.0Vp-p, 750hm)
- Viewing Angle - Front/side view: 52°
- Viewing Angle - Rear view: 140° (Horizontal)
- Communication Interface: USB 2.0
- Power Supply: DC 10V - 32V

MONITOR SPECS:

- LCD Size: 10.1"
- Resolution: 1920 x 1080P
- Outer Dimension: 267x 159.5x 30 mm
- Viewable camera Feeds: Multi Feed
- Screen Type: Capacitive Touch
- Volts: 10 - 32V
- Consumption: MAX 25W
- Operating Temp: -20~+70°C, RH 90%

SPDS SPECS:

- IP Rating: IP65 / Water Resistant (Vehicle Indicator)
- Operating Temperature: -30 to 85 °C
- Configurable Detection Zone (via keypad)
- Interface: CAN Bus 2.0
- OEM Independent (operates on 12/24 VDC)
- Input Voltage: 12/24 V DC (9-32 V DC)



MATERIAL HANDLING

MHE LIGHTING SOLUTIONS

Accidents involving industrial vehicles and other MHE equipment are more likely to occur in high-traffic or low-light areas, especially when safety awareness is lacking. Poor clarity and attention drastically increase chances of collision between vehicles and pedestrians.

Our lighting solutions are designed to enhance visibility and awareness in both low-light and high-traffic environments, reducing accident risks and improving



SEGMENTS SUITABLE FOR MHE LIGHTS:

- Warehouses
- Automotive
- Metallurgical
- Aerospace
- Manufacturing
- Food Processing

Laserglow's ForkCast™ lighting solutions are waterproof, can be used indoors and outdoors, and are a great fit for tough industrial settings. Not only do they significantly reduce the likelihood of incidents, but they also help in improving operational performance and efficiency.



-  **ADJUSTABLE MOUNTING BRACKET**
-  **EASY INSTALLATION**
-  **VISUAL CUE**
-  **REDUCE INCIDENT OF HUMAN INJURY**
-  **OEM INDEPENDENT**

APPLICATIONS:



PRODUCTS - MHE LIGHTS



FORKCAST™ ARC

Color Options:



FORKCAST™ MOVING LINE OF DOTS

Color Options:



FORKCAST™ LINE

Color Options:



FORKCAST™ SPOT

Color Options:



FORKCAST™ ARROW

Color Options:



FORKCAST™ STOP

Color Options:



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MATERIAL HANDLING

CRANE LIGHTS

Improperly managed overhead crane operations in warehouses and industrial environments pose significant danger. Cranes can unintentionally strike workers who are in their operating area, leading to serious incidents.

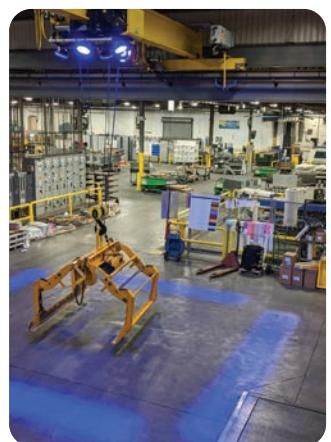
Laserglow's projection systems deliver clear and accurate visual warnings during crane operations, greatly minimizing accident risks in industrial settings.



SEGMENTS SUITABLE FOR CRANE LIGHTS:

Warehouses Automotive Metallurgical
 Aerospace Manufacturing Food Processing

Laserglow's crane lighting solutions enhance safety by projecting bright, clear visual warnings directly onto the floor, marking the crane's load path and establishing exclusion zones around its operational area. Our systems offer a continuous visual alert that keeps everyone in the area aware of the crane's movement. This helps minimize human error and significantly improves overall safety during operations.



HIGH VISIBILITY PROJECTIONS



EASY INSTALLATION



MINIMAL LOSS IN PRODUCTIVITY



REDUCE INCIDENT OF HUMAN INJURY



OEM INDEPENDENT

APPLICATION IDEAS:



LOADING AREA BOUNDARIES



CRANE AWARENESS INDICATOR



SAFE ZONE DEMARCTION

PRODUCTS - CRANE LIGHTS



VIRTUALLINE DOTS™

Mounting Height: Up to 100 ft (30m)

Projection: Line of Dots

Single Color:

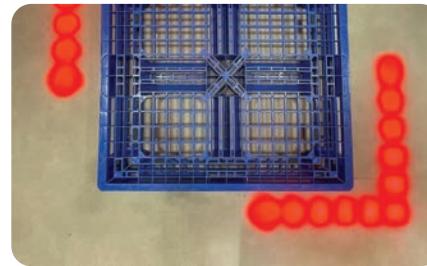


VIRTUALLINE EDGE™

Mounting Height: Up to 100 ft (30m)

Projection: Edge (Chevron)

Single Color:



VIRTUALLINE THIN™

Mounting Height: Up to 30 ft (10m)

Projection: Line (Variable Width 2' to 3')

Single Solid Color:



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OPTIONAL ACCESSORIES:



**No Drill
Magnetic Mount**



COMMON Specs:

- IP Rating: IP65
- Light Source Life (MTTF): 30,000 hours
- Projection Distance: Up to 100 ft (30 m) / Up to 100 ft (30 m) / Up to 30ft (10m)
- Power Source: 100-240 VAC / 12-48 VDC
- Colors Offered: Red - Blue / Red - Blue / Amber - Red - Blue - Green

MATERIAL HANDLING

LASER GUIDES

Clear and precise markings in industrial environments are critical for preventing accidents in dock and forklift operations, especially during night time or in low-light conditions. Laserglow's laser guides offer superior visibility, by projecting bright, durable lines directly onto surfaces. This enhanced visibility compared to traditional methods reduces the risk of collisions, damaged goods, and operational delays.



SEGMENTS SUITABLE FOR LASER GUIDES:

- Warehouses
- Automotive
- Metallurgical
- Aerospace
- Manufacturing
- Food Processing

Designed to comply with laser safety regulations, our systems are user-friendly for all staff, regardless of technical skill. By using projection technology, businesses can effectively demarcate dock doors and provide precise guides for forklift tines, ensuring smooth operations and maintaining safety standards in demanding work environments.



SAFETY BOOSTER



REDUCES PRODUCT DAMAGE



MORE PERFORMANCE

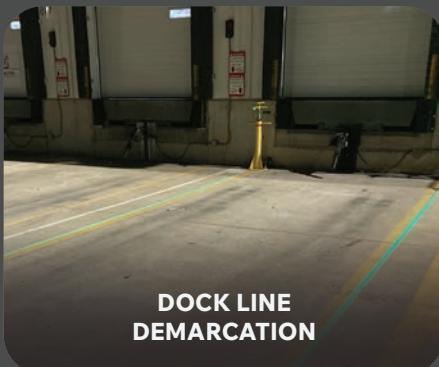


TRAINING TOOLS



EASY TO INSTALL

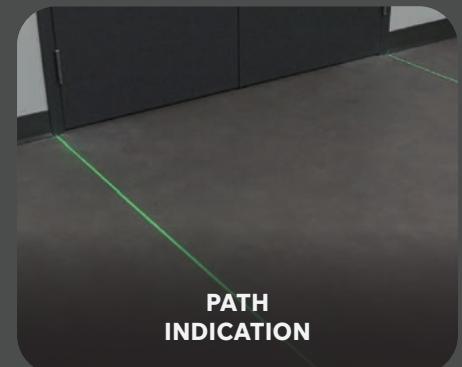
APPLICATION IDEAS:



DOCK LINE DEMARCTION



FORKLIFT TINE GUIDE



PATH INDICATION

PRODUCTS - LASER GUIDES



DOCKLINE™ LASER TRUCK DOCKING SYSTEM

Wavelength: Green 520nm
Operating Life: 8,000 hours
Connectivity w/ sensors available



FORKLINE™ LASER TINE GUIDE SYSTEM

Wavelength: Green 520nm
Operating Life: 3,000 hours
Remote Controlled



SCAN HERE TO REQUEST A QUOTE ON OUR WEBSITE

DOCKLINE™ SPECS:

- Output Power: 40 mW
- Fan Angle: 90°
- MTTF (operational hours): 6000 hours
- IP Rating: IP67
- Projection Type: Line
- IEC Safety Class: 3R
- Dimensions: 68 (l) x 20 (d)
- Power Supply: 3-6 VDC input

FORKLINE™ SPECS:

- IEC Safety Class: 3R
- Colour: Green
- Wavelength: 520nm
- Input Voltage: 12 VDC
- Ingress Protection: IP65
- Mounting Style: Magnetic
- Operating Life: 30,000+ hours
- Operating Temperature: -20 to +70 °C



BATTERY PACK SPECS:

- Voltage: 11.1 VDC
- Current Rating: 2.0A
- Capacity: 4000mAh/44.4Wh
- Battery Type: Lithium Ion
- Mounting Style: Magnetic
- Operating Temperature: -20 to +70 °C
- Ingress Protection: IP65
- Battery Life: 80 hours on / 400 hours

LASER SOLUTIONS

ALIGNMENT LASERS

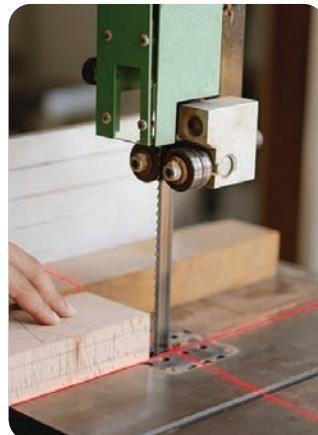
Achieving precise alignment can be challenging. Accurately aligning objects, or using equipment to ensure that everything is perfectly positioned can be a difficult task. The Brightline™ series simplifies this process by providing bright and clear laser projections that make alignment straightforward and accurate. Whether you are aligning parts during assembly, setting up machinery, or marking out a work area, Brightline™ lasers provide the visibility and accuracy you need.



SEGMENTS SUITABLE FOR ALIGNMENT LASERS:

- Warehouses
- Automotive
- Metallurgical
- Aerospace
- Manufacturing
- Food Processing

Crafted for usability and seamless integration across diverse environments, these lasers deliver intensely bright and consistently visible projections under varying lighting conditions. Built with robust materials and designed for quick setup, Brightline™ lasers empower you to achieve precise alignment with minimal effort, ensuring both efficiency and accuracy.



ULTRA
VISIBLE



HIGHLY
DURABLE



MINIMAL LOSS
IN PRODUCTIVITY

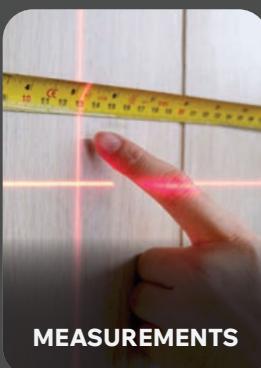


COST
EFFECTIVE

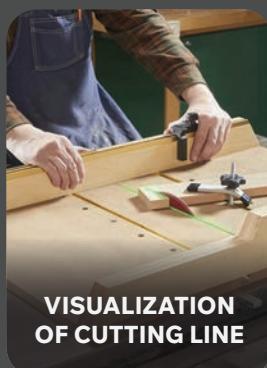


SMART
TRIGGERED

APPLICATION IDEAS:



MEASUREMENTS



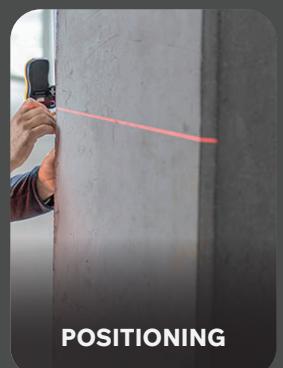
VISUALIZATION
OF CUTTING LINE



ALIGNMENT OF
SINGLE OBJECT



VISUALIZATION
OF WORK POINT



POSITIONING

PRODUCTS - ALIGNMENT LASERS



BRIGHTLINE™ ALIGNMENT LASER

Power Levels: 5mW, 20mW, 40mW, 60mW

Power Supply: 100-240 VAC

Projection Type: Multiple

Color Options:



HANDHELD ALIGNMENT LASERS

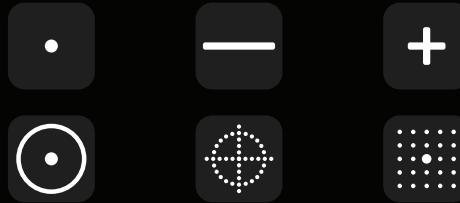
Power Levels: <3mW, 5mW

Battery Powered

Projection Type: Dot

Color Options:

EXAMPLES OF OUR AVAILABLE PROJECTIONS



DESIGNED FOR VERSATILE USAGE



**SCAN HERE TO SHOP ALIGNMENT
LASERS ON OUR WEBSITE**



BRIGHTLINE™ SPECS:

- **Central Wavelength:** 520nm / 635nm
- **Laser Source Type:** Diode
- **Weight (g):** 260
- **Dimensions (mm):** 68 (l) x 20 (d)
- **MTTF (Operational Hrs.):** 6000
- **Beam Dimensions (1/e²):** 7mm
- **Divergence (full angle):** <0.3 mrad
- **Modulation Input Signal:** 0-5 VDC
- **Operating Temp. Range (°C):** -20 to 50
- **Cooling Method:** Passive Air
- **Power Supply:** 3-6 VDC
- **Max. Power Input Duty Cycle:** 100%
- **Minimum Beam Diameter:** 0.25 mm at 0.3 m
- **IP Rating:** IP67

HANDHELD SPECS:

- **Central Wavelength:** 520nm / 635nm
- **Variable Power Output:** 3.0-5.0mW
- **Constant-On**
- **Battery Powered**
- **Adjustable Focus** *Only on Galileo PRO



**99 INGRAM DRIVE - UNIT B, TORONTO,
ON, M6M 2L7, CANADA**

**+1-416-729-7976
+1-866-924-1673 (TOLL FREE)
FAX: +1-716-322-3510**



/LaserGlowTechnologies



/laserglow-technologies



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OUR WEBSITE**