

LED-LIGHT SAFETY CONCEPT

Discover innovative safety lighting solutions that combine advanced LED projection, customizable designs, and intelligent control. From visual floor marking to crane safety, and dynamic signage, our systems optimize visibility, improve communication, and adapt seamlessly to your facility's needs.

www.scanlox.com



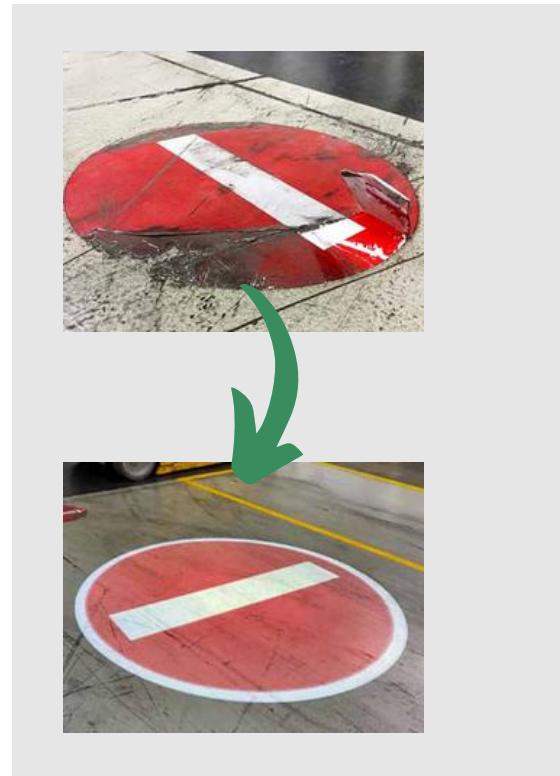
The Benefits and Features of LED-Light Safety Concept

Efficient and innovative safety lighting solutions for industrial, logistics, and warehouse environments. Enhance operational safety, improve visibility, and ensure compliance with safety standards.

LED-based marking ensures optimal safety by providing clear, visible guidance in various environments

Features

- Suitable for environments with ambient light levels up to 1,000 LUX
- Installation height up to 15 meters for versatile applications
- Optional interactive features - blinking or pulsation to draw attention
- Standard lens options: Include a range of commonly used designs for safety and operational markings
- Customized lenses: Tailored to your specific needs, ensuring compatibility with unique operational requirements
- 24/7 operation or adjustable timings
- Energy saving



Key benefits



Does not require floor preparation

Illuminated active signage prevent “sign blindness”

Easy to install and maintain

Easily moveable systems adapt to facility changes or expansions seamlessly

Save up to 70% on relabelling costs compared to traditional floor marking methods

Resistant to overlay or damage

Specifications



100W Led projectors



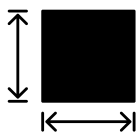
Humid & dustproof (IP67)



PLC integrated system & Wi-Fi wireless connection



Unlimited color options



Variety of sizes and shapes



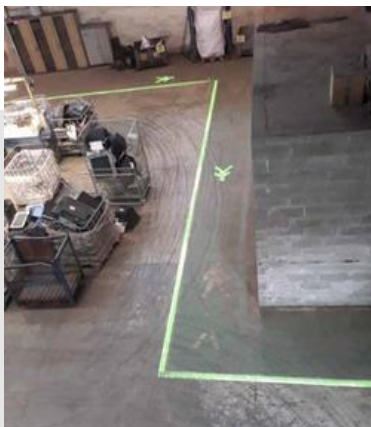
UV and heat resistant lenses



Floor marking, safety warnings, pedestrian crossings, crane safety and more



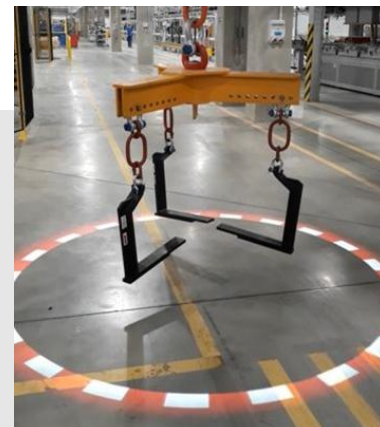
Caution forklift area



Pedestrian path



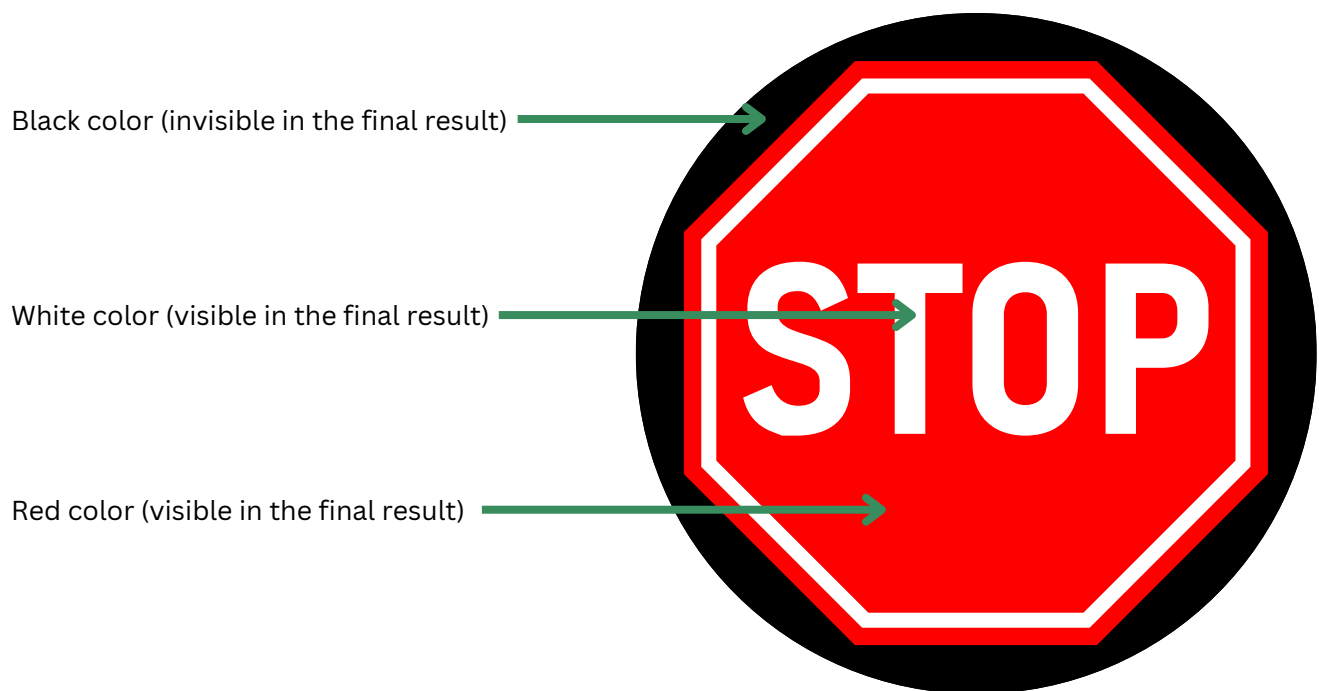
Stop signal



Crane awareness

Lens Design

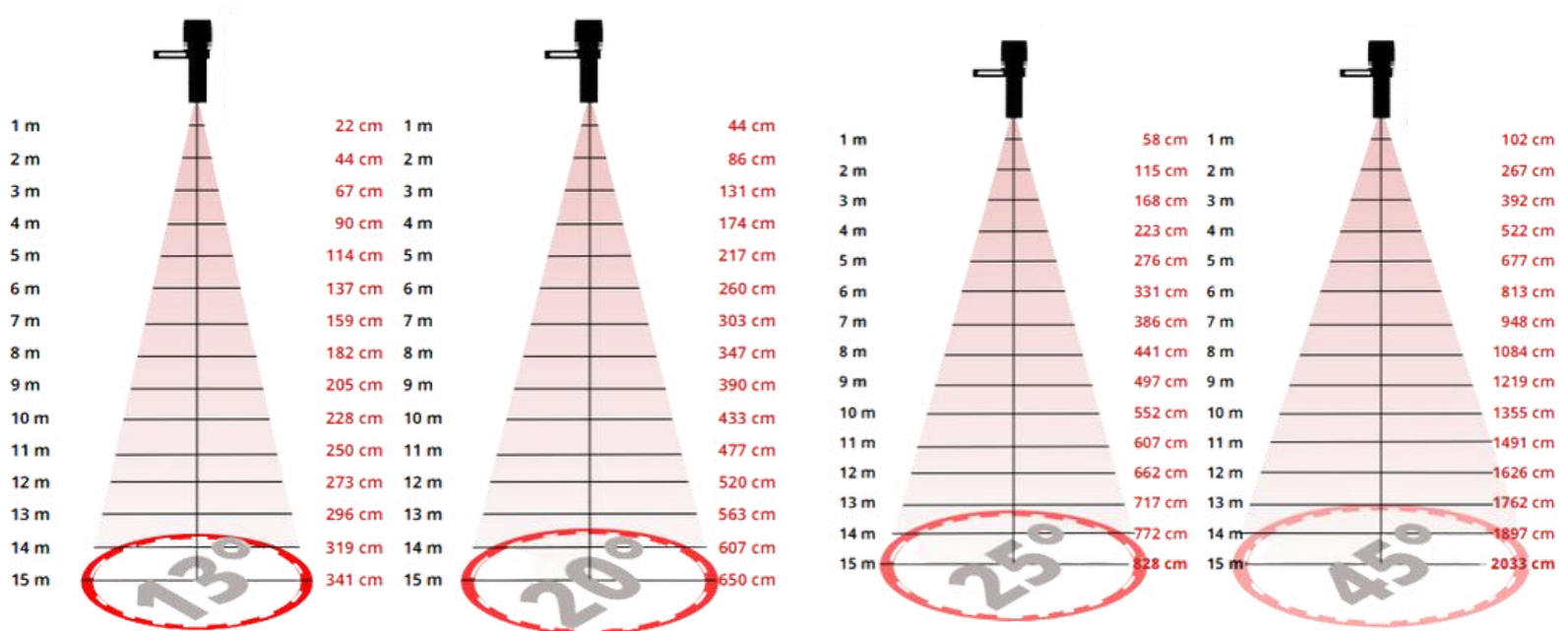
During the design phase, the black circle indicates the available space for projection. Once produced, the lenses will project the desired sign and colors.



High-Performance LED Projector

The projector features a robust 100W LED, delivering sharp and vibrant projections ideal for demanding industrial and logistics environments. Designed for durability and efficiency, it ensures reliable performance even in challenging conditions.

Below, you can find detailed specifications on light intensity relative to projection height ensuring optimal performance tailored to your facility's needs.



PJ installation height [m]	1 m	2 m	3 m	4 m	5 m	6 m	7 m
13° [cm]	22	44	67	90	114	137	159
20° [cm]	44	86	131	174	217	260	303
25° [cm]	59	115	168	223	276	331	386
45° [cm]	102	267	392	522	677	813	948

	8 m	9 m	10 m	11 m	12 m	13 m	14 m	15 m
	182	205	228	250	273	296	319	341
	347	390	433	477	520	563	607	650
	441	497	552	607	662	717	722	828
	1084	1219	1355	1491	1626	1762	1897	2033

The PLC Box

The lighting control system is designed to manage projectors that illuminate embedded visuals.

It can be customized for various industries, including logistics, production, advertising and safety, offering intelligent management for optimal functionality and flexibility.

- Pulsating light for enhanced visibility
- Energy-efficient timer function
- Wireless PLC integration option
- Standard configuration with 8 multiple functions



Configuration examples

Warehouse Safety



In high-traffic areas, the system increases safety by projecting a warning sign when a forklift or person is detected. This is particularly effective in environments with silent electric trucks, making both pedestrians and drives aware of each other in real-time.

SCANLOX Gate Control



When an autonomous pallet lifter approaches a gate, the system deactivates a pedestrian crossing sign and activates stop signs to ensure safety. Signals are received wirelessly from the lifter for automatic, precise gate control.

Truck Dock Automation



When a freight truck arrives, the operator activates green line signs to guide the driver to the correct dock. Once loading or unloading is complete, a completion sign indicates the truck can depart.

Advertising and Logo Projection



The system projects custom sign, such as advertisements or logos, which can be programmed to adjust dynamically based on time or external light conditions. It integrates with calendars, clocks, and light sensors for advanced advertising strategies.

Standard Lenses

A selection of available standard lenses



LED-01
"STOP"



LED-02
"No entry"



LED-03
"Prohibited Entry
for Unauthorized"



LED-04
"GO"



LED-05
"WAIT"



LED-06
"Attention AMR"



LED-07
"Attention Forklift"



LED-08
"Attention"

Standard Lenses

A selection of available standard lenses



LED-09
"Warning Forklift"



LED-10
"Warning Forklift 2"



LED-11
"SLOW"



LED-12
"Pedestrian Crossing"



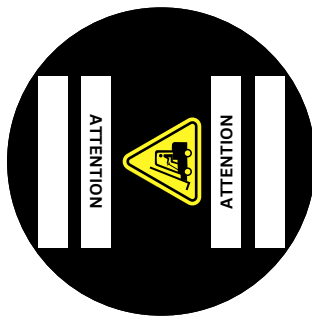
LED-13
"Pedestrian Crossing 2"



LED-14
"Walking"



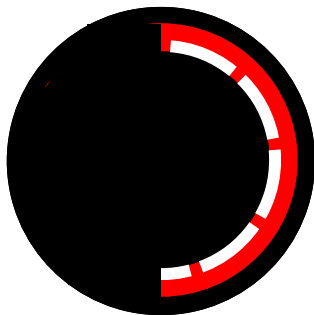
LED-15
"Pedestrian Crosswalk"



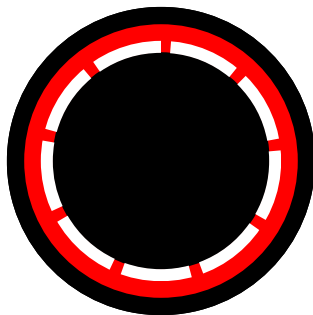
LED-16
"Pedestrian Crosswalk
w. Forklift Attention"

Standard Lenses

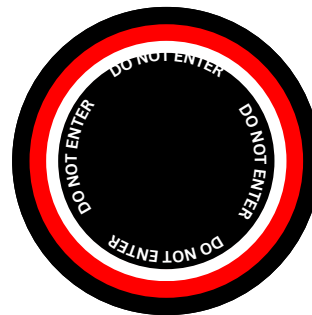
A selection of available standard lenses



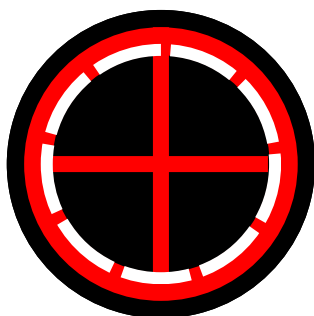
LED-17
"Crane Half Ring"



LED-18
"Crane Ring"



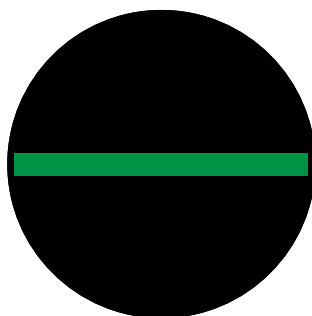
LED-19
"Crane Ring Do Not Enter"



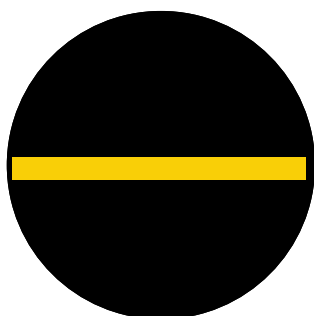
LED-20
"Crane Ring with
Red Cross"



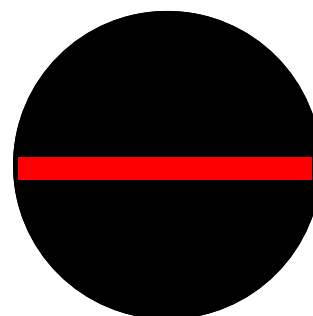
LED-21
"Walk Path /
Forklift Path"



LED-22
"Line - Green"



LED-23
"Line - Yellow"



LED-24
"Line - Red"



LED-25
"Black & Yellow Area"

Standard Lenses

A selection of available standard lenses



LED-26
“PPE - Helmet”



LED-27
“PPE - Ear protection”



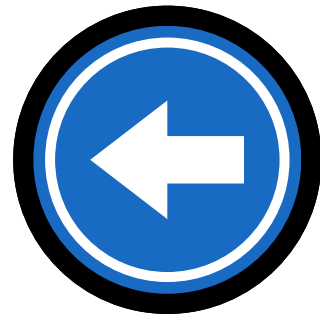
LED-28
“PPE - Warning Vest”



LED-29
“PPE - Eye Protection”



LED-30
“PPE - Safety Shoes”



LED-31
“Direction”



LED-32
“PPE - Combination”

Pedestrian Crosswalks

Highlighted product

LED safety lighting enhances visibility for moving objects, ensuring real-time warnings for pedestrian and vehicles.

Trigger mechanisms

The LED projector is motion-activated, using RFID-tagged vehicles. It provides visual signals based on proximity.

- Pedestrian crossing active: Indicates no danger when the area is clear
- STOP symbols activated: Warns of vehicle proximity to ensure safety

Compatible with

- AMRs, AGVs, and forklifts etc.
- Pedestrian navigating industrial or logistic areas

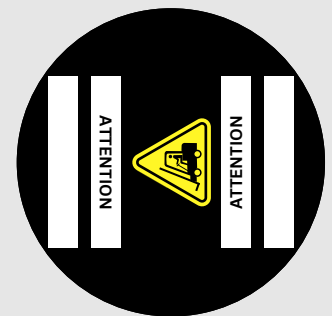
Applications

- Industrial, logistics and warehouse safety
- Illuminates large walkway signs, with length up to 6 meters per LED projector
 - Available in standard colors: yellow, white, green
 - Custom designs and colors are available on request



LED-15

“Pedestrian crosswalk”



LED-16

“Pedestrian crosswalk
w. Forklift attention”

Black & Yellow Awareness Area

Highlighted product

This lens projects a black and yellow striped pattern to signal that a vehicle carrying a load is approaching a designated area. Clearly signaling the intended position for unloading or staging. Controlled The projection is PLC-controlled, enabling seamless communication with transport vehicles for precise load alignment.

Features

- The black and yellow striped projection provides clear indication of load placement areas
- Activated through PLC control, allowing intelligent coordination with transport vehicles
- Improves operational efficiency by guiding the vehicle and ensuring accurate load positioning

Compatible with

- AMRs, AGVs, and forklifts etc.

Applications

- Industrial, logistics and warehouse safety
- Illuminates large awareness area signs, with length up to 6 meters per LED projector
 - Available in standard colors: yellow, white, green
 - Custom designs and colors are available on request



LED-25
"Black & Yellow area"

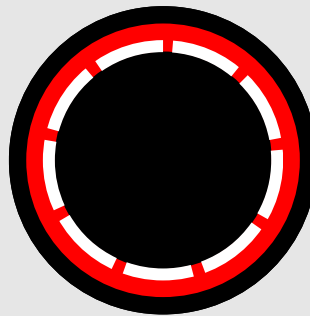
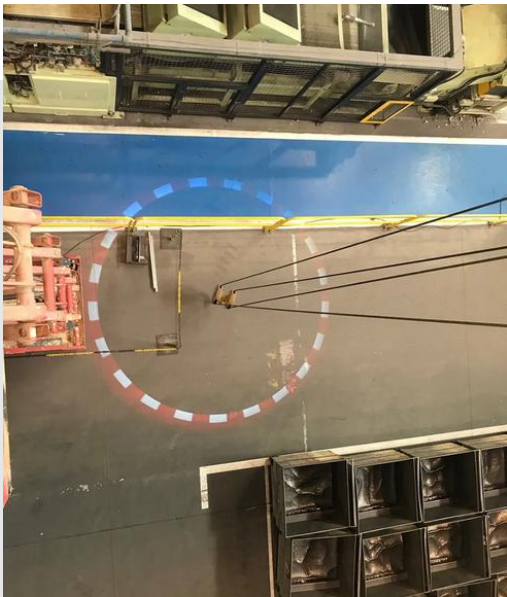
Crane Safety Solutions

Highlighted product

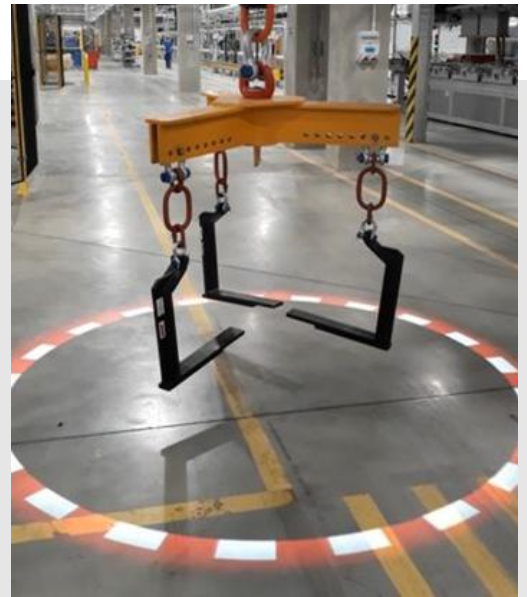
Enhance workplace safety around cranes with LED projection technology

Features

- Safety lighting for industrial cranes to minimize accident risks
- Illuminated signs projected onto the ground to warn of motion and indicate the hook/load position
- Wireless control via Wi-Fi modules allow flexible system management, even in hard-to-reach areas



LED-18
"Crane ring"



Customizable Options

Tailor your LED projection system to meet specific operational or creative needs. Chose from a wide range of standard lenses or opt for fully customized designs to ensure compatibility with your facility's unique requirements.

These systems aren't limited to safety applications, they can also project logos, branding, or other designs, offering versatile solutions for both functional and aesthetic purpose.



CUSTOM
"Company logo"