



**GIFAS**  
ELECTRIC

# VISIBLE SOLUTIONS

Solutions for safe  
road infrastructure.

0126

# Introduction / Content

We are a reliable partner for specialist authorities, decision-makers and organisations in Switzerland and abroad who deal with the diverse and complex topics surrounding road infrastructure.

Whether in road tunnels or galleries, on bridges, in underpasses and overpasses, in power distribution or in day-to-day maintenance: our well-designed, energy-saving lighting solutions and our robust, reliable power distribution products make a significant contribution to improving safety across the entire road environment.

This brochure invites you to discover our solutions in this field. Gain insights into how our expertise, experience and innovative technologies help to enhance safety and efficiency in modern road infrastructure.

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**GUIDING**  
**STANDARD-COMPLIANT**  
**LOW-MAINTENANCE**

The cable-connected MarkLED guidance system is typically supplied via a milled groove or installation duct in the verge. Alternatively, the luminaire can be mounted on a New Jersey barrier or installed as a flush- or surface-mounted solution using an adapter. The systems operate within a generous wide-voltage range of 16–48 VDC, enabling very long cable distances. All systems are tested to protection rating IP68/IP69. Thanks to the modular design, individual components can be replaced quickly during maintenance.

#### Application areas

- Bypass roads
- Car parks



#### More Information



# Road

## TrafficLED



This permanently drive-over rated (40 tonnes), robust and watertight warning and marking light ensures excellent visibility in darkness, rain and snow.

The modular TrafficLED system is resistant to frost, UV light, road salt, grit, spikes/snow chains and road cleaning. It complies with common national regulations (e.g. BAST Germany, ASTRA Switzerland) and is EMC-tested. Its cable-based operation keeps electromagnetic interference to a minimum.

### Application areas

- Roads
- Tunnels
- Car parks
- Roundabouts

**DRIVE-OVER RATED**

**DURABLE**

**WEATHER-RESISTANT**



[More Information](#)



**POWERFUL**  
**ENERGY-EFFICIENT**  
**LOW-MAINTENANCE**



### More Information



This in-ground luminaire with a specially engineered optical system and V4A stainless steel housing is used as a floor or wall light. Its main application is roundabout illumination, where it serves as a safety, guidance and design luminaire.

CircLED is available in various light colours with integrated optics and is installed flush into the corresponding surface material (asphalt, concrete, gravel, soil, etc.).

### Application areas

- Roundabouts
- Platforms
- Pathways

# Road

## GlasFIX



**SIMPLE**  
**EFFECTIVE**  
**MAINTENANCE-FREE**

GlasFIX is a high-quality, robust alternative to active lighting modules and is used at critical points. A sophisticated internal optical design captures incoming light, bundles it and reflects it back, providing maximum safety with minimal effort. GlasFIX elements are easy to replace, cost-effective and economical in operation.

### Application areas

- Pedestrian crossings
- Traffic islands
- Hazardous bends
- Car parks



To the assortment



# Road

## AluFIX



**DRIVE-OVER RATED**  
**INSTALLATION-FRIENDLY**  
**DURABLE**

[To the assortment](#)



AluFIX elements stand out for their longevity, excellent reflectance values even after long use, and maximum robustness.

They are suitable for installation in the middle of the carriageway or alongside lane markings. They are drive-over rated and combine a natural tactile deterrent with a clearly visible reflective point.

### Application areas

- Pedestrian crossings
- Traffic islands
- Hazardous bends
- Car parks

# Road

## RoadLED



The battery-powered LED warning light on a cable reel is ideal for temporary detours, construction sites, hazard zone protection and traffic control.

- Modular system with plug connectors, extendable up to 100 m
- Traffic yellow light colour according to EN 12368
- Functions: steady light, flash, blink, running light

### Application areas

- Road construction/maintenance
- Police
- Fire brigade
- Civil protection
- Military



**BATTERY-OPERATED**  
**MODULAR**  
**SAFETY-ENHANCING**

[To the assortment](#)



# Road tunnel

## MarkLED 4

**GUIDING**  
**STANDARD-COMPLIANT**  
**LOW-MAINTENANCE**



The cable-connected MarkLED guidance system is typically installed in a milled groove or an installation duct in the verge. Alternatively, the luminaire can be mounted on a New Jersey barrier or installed flush or surface-mounted using an adapter.

The systems operate within a wide voltage range of 16–48 VDC, enabling very long cable distances. All systems are tested to protection rating IP68/IP69.

Thanks to the modular design, individual components can be replaced quickly during maintenance.

### Application areas

- Motorways
- National roads

[More Information](#)



# Road tunnel

## Surface mounted MarkLED 4 adapter

**PRACTICAL**  
**LONG-LASTING**  
**COMPACT**

The MarkLED 4 version with AP adapter offers the advantage of a slightly elevated installation position, improving visibility. Integrated terminal connections in the base allow easy access and fast installation.

The AP adapter (plastic) can be mounted on the verge or on the wall.

An optional V4A stainless steel protection plate is available to shield the first few LED modules at tunnel entries and exits from damage by snowploughs.

### Application areas

- Motorways
- National roads



[More Information](#)



# Road tunnel

## MarkLED EXIT



MarkLED EXIT combines two essential tunnel safety functions: guidance lighting and escape route illumination. Guidance lights are installed at intervals of 12.5m or 25m; escape route lights every 50m.

MarkLED EXIT contains two separate light sections with distinct characteristics. It is typically installed every 25m and uses the same supply network, making it highly economical.

In normal operation, only the guidance section is active; in an emergency, the EXIT section switches on to illuminate the escape route.

### Application areas

- Motorways
- National roads

**WELL-ENGINEERED**

**VERSATILE**

**CERTIFIED**



### More Information



# Road tunnel

## MarkLED i1



MarkLED i1 is powered inductively via Wireless Power Transfer (WPT). This wireless supply allows the light module to be completely encapsulated, providing optimal protection against environmental influences.

If a module requires replacement, the supply line remains untouched — only the module itself is removed and replaced.

No galvanic connection to the supply cable is needed. The electrical supply is provided via a fully encapsulated cable drum recessed into the ground.

### Application areas

- Motorways
- National roads

**INDUCTIVE**  
**SELF-CLEANING**  
**DIMMABLE**

### More Information



# Road tunnel

## SecuLED



SecuLED uses a classic cable-connected system with a robust two-part construction. Modules can be wired directly and replaced easily when required, reducing maintenance and repair work. Installation is carried out on the kerbside, directly next to the carriageway edge. Brightness can be adjusted via the control units and can be managed by automatic lighting control or from the tunnel control room.

### Application areas

- Motorways
- National roads

**CABLE-CONNECTED**

**MAINTENANCE-OPTIMISED**

**DURABLE**

### More Information



# Road tunnel

MarkFIX

**CERTIFIED**  
**TEMPERATURE RESISTANT**  
**SIMPLE**



MarkFIX enhances road safety through excellent reflectance values.

High-quality glass inserts ensure maximum durability. The system is simple to install, straightforward to maintain, and economical to procure — an effective complement or alternative to active lighting modules.

#### Application areas

- Roads
- Tunnels
- Car parks
- Roundabouts

[To the assortment](#)



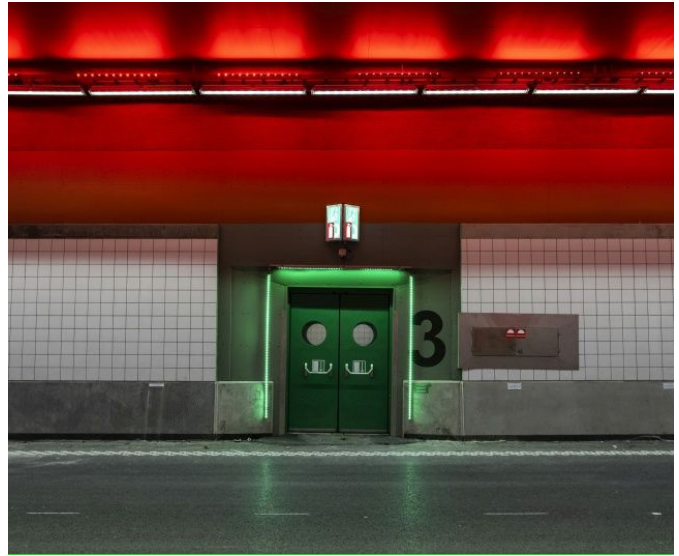
# Road tunnel

LaneLED WALL green

**SPACE-SAVING**

**UNIVERSAL**

**ADAPTABLE**



This lighting system provides homogeneous, glare-free and dimmable LED illumination, ensuring pleasant and uniform lighting conditions.

Its simple and quick installation makes it suitable even for confined spaces.

In green light colour, the system is used for emergency exit lighting.

#### Application areas

- Escape route signalling
- Emergency exit doors
- Niches

[More Information](#)

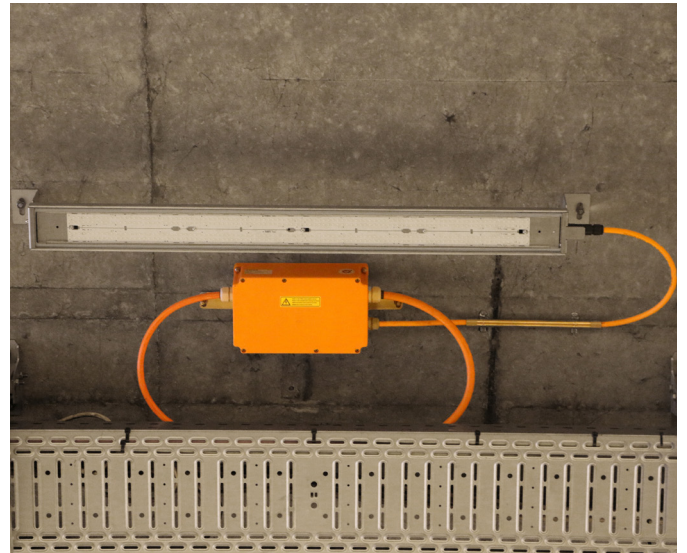


# Road tunnel

## Fire resistant junction boxes



**TESTED**  
**RELIABLE**  
**IN ACCORDANCE TO**  
**DIN 4102 PART 12**



To the standard assortment



Road infrastructure places high demands on the reliability of electrical systems, especially in the event of fire. Junction boxes with electrical functional integrity E30–E90 fulfil critical safety tasks by ensuring the continued operation of essential systems.

Only high-quality products guarantee the defined period during which power remains available - crucial minutes that can support the safe evacuation of people.

Superior material properties, improved fire behaviour and thoroughly tested characteristics ensure this level of performance.

### Application areas

- Escape and rescue routes
- Road tunnels

# Underpass and overpass

## LaneLED WALL



This lighting system provides homogeneous, glare-free and dimmable LED illumination, ensuring a pleasant and uniform light distribution.

Thanks to its simple and fast installation, the system can be mounted even in confined or difficult-to-access areas.

### Application areas

- Footpaths and cycle paths
- Underpasses and overpasses

**SPACE-SAVING**

**UNIVERSAL**

**ADAPTABLE**



More Information



# Underpass and overpass

## LaneLED INOX42

**ENERGY-EFFICIENT**

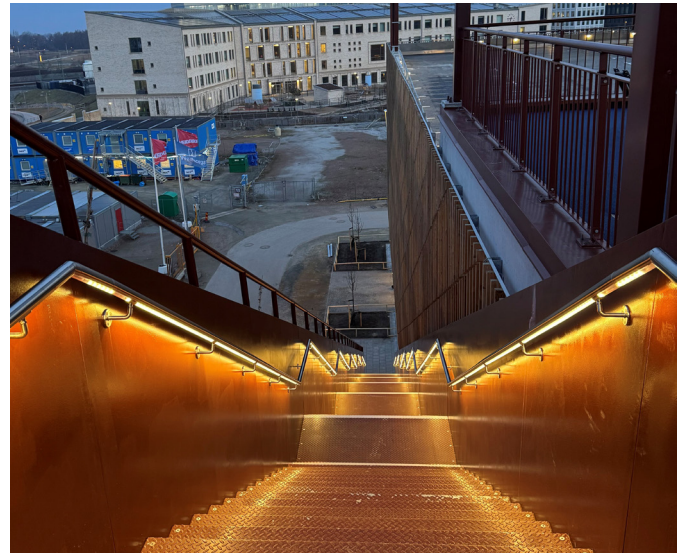
**VERSATILE**

**MULTI-PURPOSE**

The robust stainless steel V4A handrail system with integrated LED lighting provides safety while creating an appealing atmosphere. It combines aesthetic elegance with durable, reliable technology - both functional and visually refined. Power is supplied via power units located in the main or sub-distribution or within an on-site enclosure. The 24 VDC supply voltage is generated by a 230 VAC power supply unit. The lighting system complies with relevant standards such as DIN 18065, as well as guidance from the bfu and SUVA. LaneLED forms the base element of the illuminated handrail. Depending on the requirements, the appropriate model is selected - the determining factor is the desired light output.

### Application areas

- Public and private walkways
- Underpasses and overpasses



### More Information



# Bicycle and footpath

## TrafficLED



This permanently drive-over rated (40 tonnes), robust and watertight marking and warning light provides excellent visibility in darkness, wet conditions and snow. The modular TrafficLED system is resistant to external influences such as frost, UV radiation, road salt, grit, spikes/snow chains and road-cleaning operations. It complies with prevailing standards (e.g. BAST Germany, ASTRA Switzerland) and is EMC-tested, ensuring minimal electromagnetic interference.

### Application areas

- Footpaths
- Cycle paths

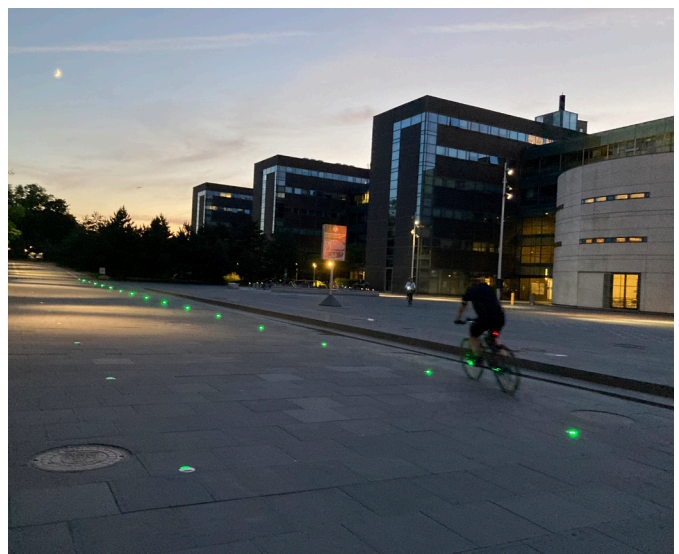
**DRIVE-OVER RATED**

**DURABLE**

**WEATHER-RESISTANT**



More Information



# Bicycle and footpath

CircLED



**POWERFUL**  
**ENERGY-EFFICIENT**  
**LOW-MAINTENANCE**

[More Information](#)



The in-ground luminaire with a specially engineered optical system in V4A stainless steel is used as a floor or wall luminaire.

CircLED is available in various light colours with integrated optics and is installed flush into the respective surface (asphalt, concrete, gravel, soil, etc.).

#### **Application areas**

- Roundabouts
- Platforms
- Pathways

# Bicycle and footpath

## LaneLED WALL

**SPACE-SAVING**

**UNIVERSAL**

**ADAPTABLE**



This lighting system provides homogeneous, glare-free and dimmable illumination, delivering a pleasant, even light distribution.

Its simple and rapid installation makes it ideal for confined spaces.

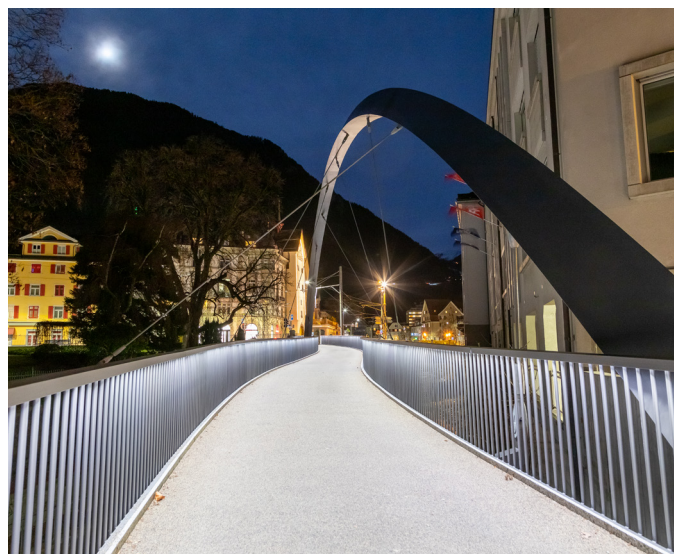
Installation can be carried out in very limited room; the compact dimensions allow discreet and space-efficient integration.

The practical click-and-plug system enables quick and efficient installation.

### Application areas

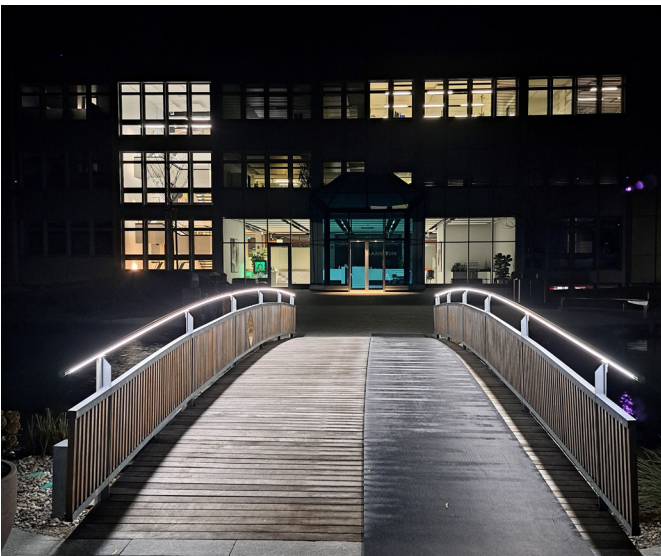
- Footpaths
- Cycle paths

[More Information](#)



# Bicycle and footpath

## LaneLED INOX42



The robust V4A stainless steel handrail system with integrated LED lighting provides safety and enhances the visual environment. It combines aesthetic appeal with durable, reliable technology - functional and elegant in equal measure. Power is supplied through power units in the main or sub-distribution, or via an on-site enclosure. The 24 VDC voltage supply is generated via a 230 VAC power supply unit. The lighting system is based on standards such as DIN 18065 and complies with recommendations from bfu and SUVA. LaneLED forms the fundamental element of the illuminated handrail. The suitable model is selected based on the required light intensity.

### Application areas

Public and private walkways

**ENERGY-EFFICIENT**

**VERSATILE**

**MULTI-PURPOSE**

### More Information



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