



MORE THAN JUST A SIDE ISSUE.

GIFAS linear lighting and handrail systems ensure efficient LED lighting and make your property a real eye-catcher. More visibility and safety that makes passers-by feel happier on public walkways is just one of the advantages that come with the wall, ceiling and handrail lighting from GIFAS.

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LaneLED INOX42



LaneLED INOX linear lighting



Handrail system

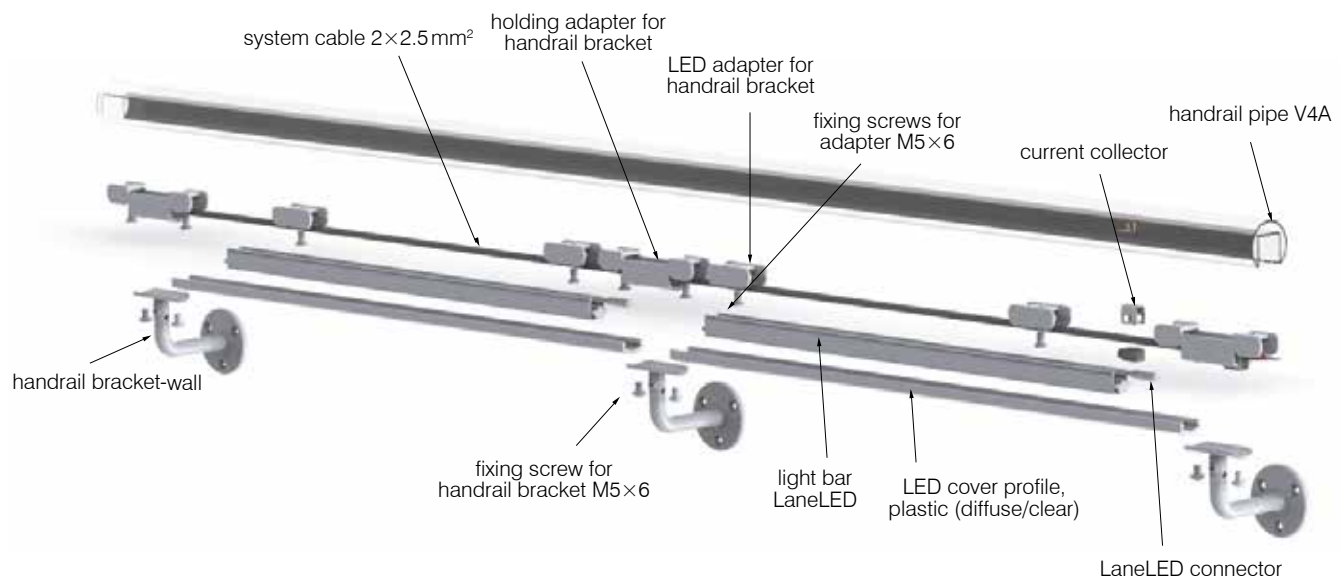
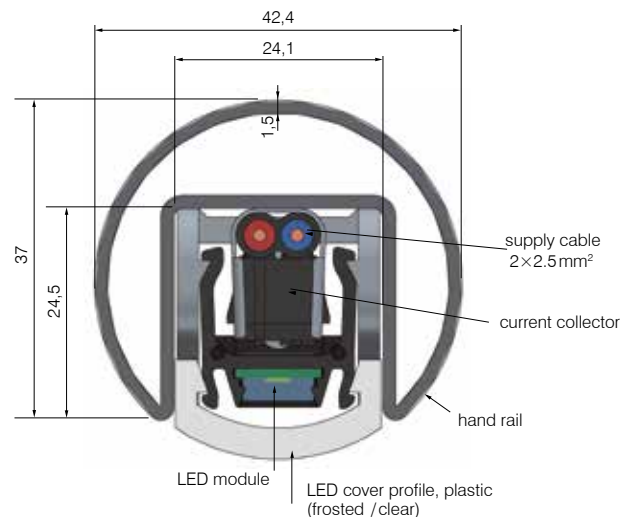
LED-equipped handrails for outdoor and indoor applications (balcony handrails, stairway handrails and terrace handrails) which can very easily be assembled on classic handrail posts using special pipe sections. The pipe brackets and adapters allow an inner cable guide with the GIFAS-developed connection cabling. All metal components are V4A-quality, with a protection class of IP67.

Wall handrail system

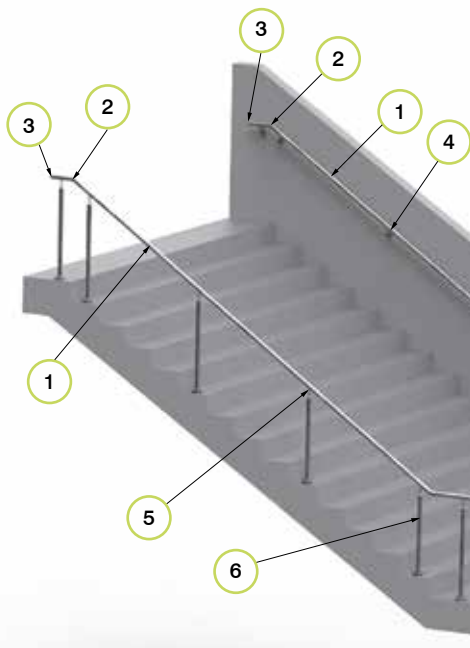
LED-equipped handrails for outdoor and indoor applications as anti fall guard and guide bracket on stairways with functional, accent or path lighting. A multitude of individual elements allows the needs-based supply of all kinds of wall handrails. All metal components are of V4A quality, protection class IP67.

Handrail LaneLED INOX42

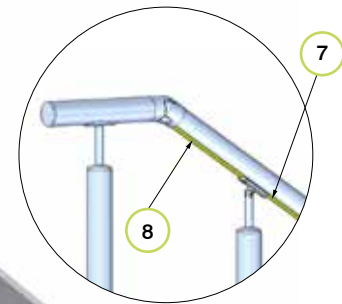
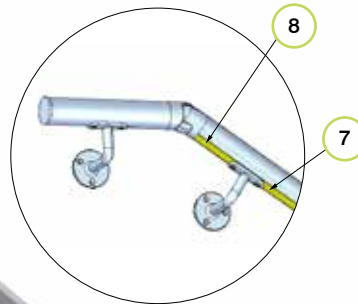
The GIFAS handrail profile is the carrier element for the LaneLED INOX42. The profile and the various fastening and connecting items are designed and coordinated in a way that ensures the electric supply with the cable.



LaneLED INOX linear lighting



- 1 Handrail pipe V4A
- 2 Hinged joint pieces V4A
- 3 End caps V4A
- 4 Handrail bracket - wall V4A
- 5 Handrail bracket - pipe V4A
- 6 Handrail pole V4A
- 7 Light bar LaneLED
- 8 Cover profile (frosted/clear)



LaneLED INOX

The LaneLED light bar from GIFAS is the base element for the illuminated «Handrail Lighting System». The appropriate type is selected depending on the requirements of the operator, whereas the desired lighting strength is the most important specification. The other parameters of the LaneLED are carefully defined.

- Light colour: ~ 4400K/ ~ 5500K
- Beam angle: 120°
- Protection class: IP67

Current collector

Each individual LaneLED is connected to the power supply via the current collector and is freely attachable to the flat cable 2x2.5 mm². The connection socket serves as the interface to the current collector and the connection cable with plug of the LaneLED (IP67 connection).

System components power supply

The electric power supply of the LaneLED light bar is ensured through power supplies that are individually installed into the main or sub-distribution or that are directly built into the housing on site. (housing hard rubber or in polycarbonate housing)

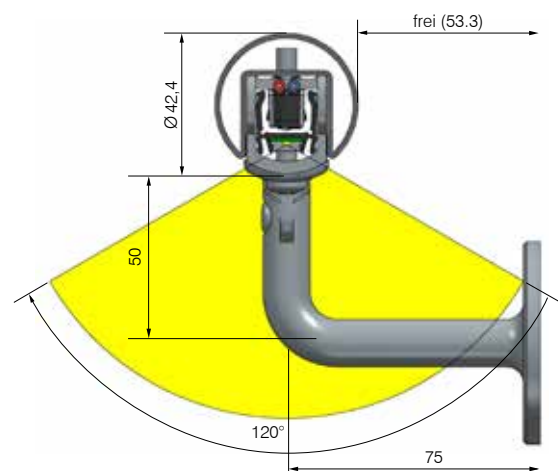
The supply voltage is 19-32VDC and it is generated with a power pack 230V – different output sizes are available! (In each case depending on the total lighting length and the performance of the desired LED light output).

Applications

- Underpasses and overpasses in railway stations
- Escape route and emergency staircases
- Decorative applications in office or exhibition wings
- Hospitals and nursing homes
- Schools and day care centres
- Shopping and meeting areas
- Hotels and restaurants
- Staircases

Illumination

Cone of light when in use with the LaneLED INOX42 hand rail:



Basis

LaneLED in a hand rail at a height of 80cm across a 2m wide staircase provide the following values with regard to their lighting strength.

LaneLED linear lighting Typ 11, IP67, 4000/ 5500K, 19-32VDC

LED	Power	Length	Luminous flux	Illuminance
				95 cm
6	80 mA	190 mm	100 lm	330 lx
18	240 mA	560 mm	300 lm	330 lx
30	400 mA	928 mm	500 lm	330 lx
48	640 mA	1482 mm	800 lm	330 lx

Maximum length with LaneLED type 11 to 50m per 24VDC infeed is possible.

LaneLED WALL

LaneLED WALL



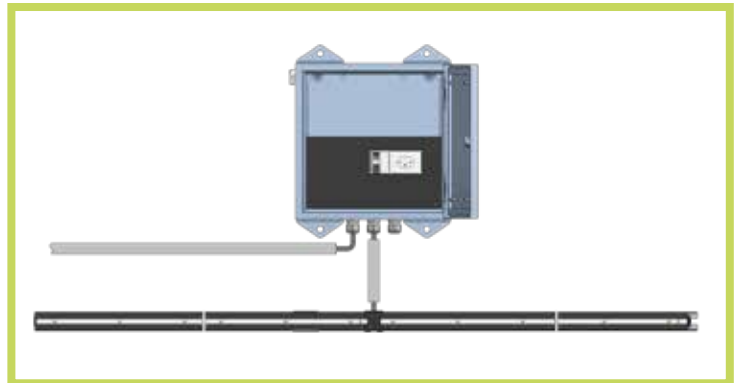
LaneLED WALL – universally applicable surface mounted LED lighting for diverse applications

LaneLED WALL is a complete system that is easy to assemble. The range of applications is very diverse.

The main feature of LaneLED WALL is its compact and small structure and the excellent luminous efficiency. Installation and assembly are carried out in tight spaces - wherever there is little space available. The smallest possible dimensions, and an inconspicuous installation as a result. LaneLED WALL is mounted on the wall or the ceiling. The mounting dependent on the situation. The installation can also be carried out in niches.

Your advantages

- Simple and fast assembly thanks to the practical clicking/connection system
- Replacement of a LaneLED light bar in 2 minutes
- Flame-retardant, halogen-free and self-extinguishing
- Optional half-redundancy
- LED light colours white (standard 4400K) and green (528nm)
- Various lighting options thanks to different LED light bars
- Optimised for maintenance because of plug-in/click-in-system
- Individual and project-related consultation
- Comprehensive support with light voltage drop calculations and planning documents
- High-quality, long-lasting materials
- Safe system operation due to safety-low voltage
- Vandal-proof execution possible (by use of appropriate components)
- Variable lighting thanks to the optional dimming function
- Failure monitoring when switched-off (optional cold conductor monitoring possible)
- Long segments even possible for high light outputs



Lighting components
LaneLED light bar in special plastic profile, incl. electrical supply



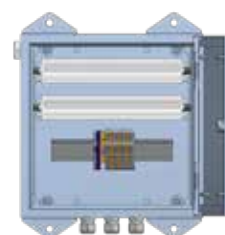
Mechanical components
wall mounting, bracket and accessories V4A, connector and angle parts



System components
system cable
current collector



Supply components
supply unit
mains unit
cable and line



LaneLED WALL

LaneLED

The light bar LaneLED is the base element for the illuminated handrails LaneLED GFK and LaneLED WALL. The appropriate type is selected depending on the requirements of the operator, whereas the desired average luminance is the most important specification. The other parameters of the LaneLED are carefully defined.

Light colour: 4400 K (3000 K or 5800 K on request)
Beam angle: 120°
Protection class: IP69K

Composition of the light bar LaneLED

The carrier profile of the LaneLED WALL light bar consists of a special synthetic profile with special characteristics for mechanical and chemical strains.

A flexible and separable LED strip is inserted from below and incorporated into the profile with 2K casting compound. The encapsulation leads to the high protection class of IP69K.

There is room for the cable guide and the current collector in the upper part of the profile (in between the flanks).

The light bar LaneLED completely ready for connection (pluggable), not including assembly materials (system cable and current collector).

Current collector type SNAP

Each individual LaneLED is connected to the power supply via the current collector and is freely attachable to the flat cable 2×2.5 mm² (crimping tool for current collector).

Power supply

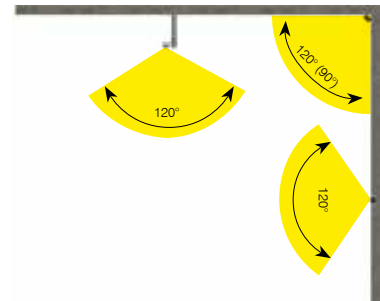
The electric power supply of the LaneLED light bar is ensured through power supplies that are individually installed into the main or sub-distribution or that are directly built into the housing on site. (housing in hard rubber, polycarbonate or steel)

The supply of 21-32 VDC (nominal power 24VDC) is usually provided by a power supply 230 VAC – different output sizes are available! (In each case depending on the total lighting length and the performance of the desired LED light output).

According to customer requirements, the power supply can also be installed anywhere in a distributor or in a socket.

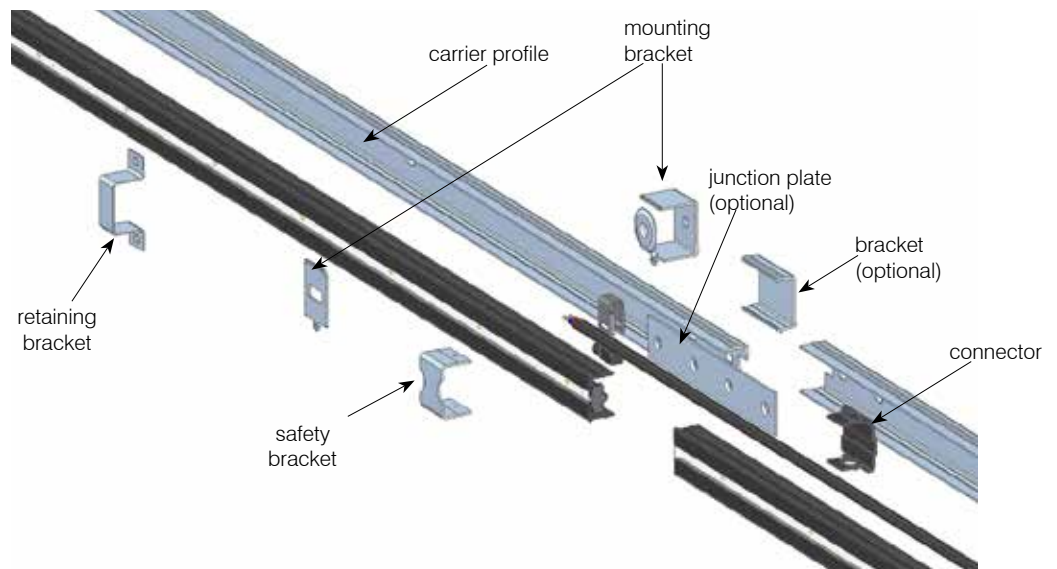
Illumination

Light cone with radiation 120°. Illumination depending on placement.



Applications

- Emergency exit illumination in road, metro and railway tunnels
- Train stations, waiting halls or shelters
- General illumination of railway stations, waiting halls or shelters
- Emergency escape route lighting in metro and railway tunnel
- Marking of emergency exits (green LaneLED)
- Ceiling mounting for power station, cavern tunnels and escape and working tunnels with low headroom
- Bridge illumination
- Walkway illumination



LaneLED INOX42



Access city centre, Crans Montana



Health centre, Stein



Pedestrian bridge, Wecker



Bahnhof, Sembranch



Pedestrian bridge, Wecker



LaneLED INOX42



Hospital, Erlangen



Swimming park, St. Gallen



Hospital, Erlangen

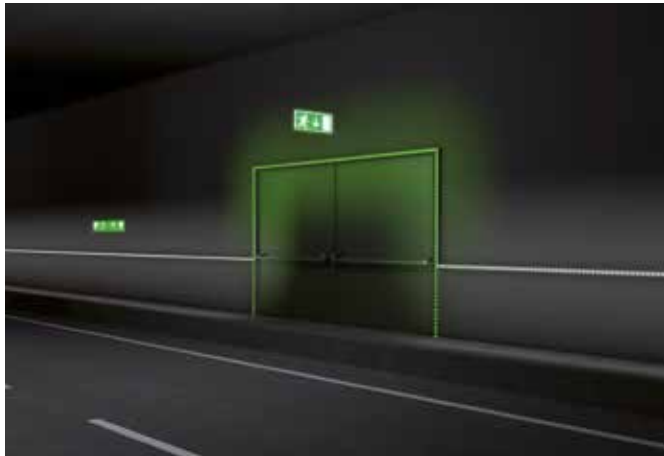


Cemetery access, Glis



Museum Charlie Chaplin

LaneLED WALL



Road tunnels, signalling of escape routes



Station handling and waiting area



Bicycle, pedestrian and driveway lighting



Railway station, Sembranch
(Underpass: LaneLED WALL, Stairs: LaneLED INOX42)



Ceiling lighting for railway station



LaneLED WALL



Railway station, Sembranch
(Underpass: LaneLED WALL, Stairs: LaneLED INOX42)



Parking garage, Troistorrents



Footbridge, Brügg



Cycle path lighting, Ittigen



Production LaneLED WALL, GIFAS

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Linear lighting Handrail systems

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