

Building for the future



handraiLIT

// The simplest way to more safety.

Your way is our destination

// Be it a guidance system in railway tunnels or underpasses, a safety element in schools and preschools or decoration for offices, hotels or the terrace at home - the unique guidance system handraiLIT leads you quickly and safely to your destination.

For tunnel applications

handraiLIT – the system

handraiLIT is a modern, cost-effective orientation and guidance system for railway tunnels and many other applications. The handrail with integrated orientation lighting guarantees the highest level of safety.

HandraiLIT fulfils even the most complex requirements thanks to its user-friendliness, low maintenance effort and compliance with all relevant standards and guidelines. This product has been approved by DB Netz AG [list sheet number 4Z1]!



Long service life due to state-of-the-art LED technology

The complete handrail is available as line lighting and features state-of-the-art LED technology. Due to the extremely long service life, the probability of a failure is very low.

Optional: More safety through redundant power supply

Failure of any single power supply unit has no effect on the functionality due to the redundant wiring. This guarantees complete and continuous illumination.

Smooth and simple assembly



handraiLIT is quick and easy to assemble and install with no need for special tools. This means that elements that have already been installed can also be removed within a few minutes at a later date - for service work, for example.

Cleaning with up to 100 bar



Contamination is often exceptionally heavy, especially in railway tunnels. Cleaning is therefore carried out with very high water pressure. handraiLIT can withstand a load of up to 100 bar without any difficulty. Due to the special processing of all individual parts and components, handraiLIT is fully functional even after high-pressure cleaning.



Line Lighting

The LED light strip is fixed in the housing.
Other LED and RGB configurations can also be used on request.



Niche and escape sign lighting

handraiLIT can also be supplemented with niche lighting. In addition, the system offers the possibility to integrate escape sign luminaires. The installation is carried out with completely identical elements of the handrail. This saves time and money.

For all other applications

Safety meets elegance

handraiLIT also makes a good impression in public spaces: Based on our know-how in the railway sector, we have adapted the guidance system for use in municipal or private projects. With seamless transitions and simple fastenings, the LED handrail now combines safety and design requirements of the highest standard.

Each project can be individually designed due to specially developed handrail joints and fastening types. Whether outdoors, where an extra robust stainless steel is used, or indoors - handraiLIT offers you safety on your way in a sophisticated design.

Applications and areas of use

- Underpasses and overpasses
- Escape and safety staircases
- Schools and preschools
- Hotels and restaurants
- Balconies and terraces
- Decorative applications in office or exhibition areas

We gladly inform you about further possibilities with handraiLIT.





Sustainable solution with just one step

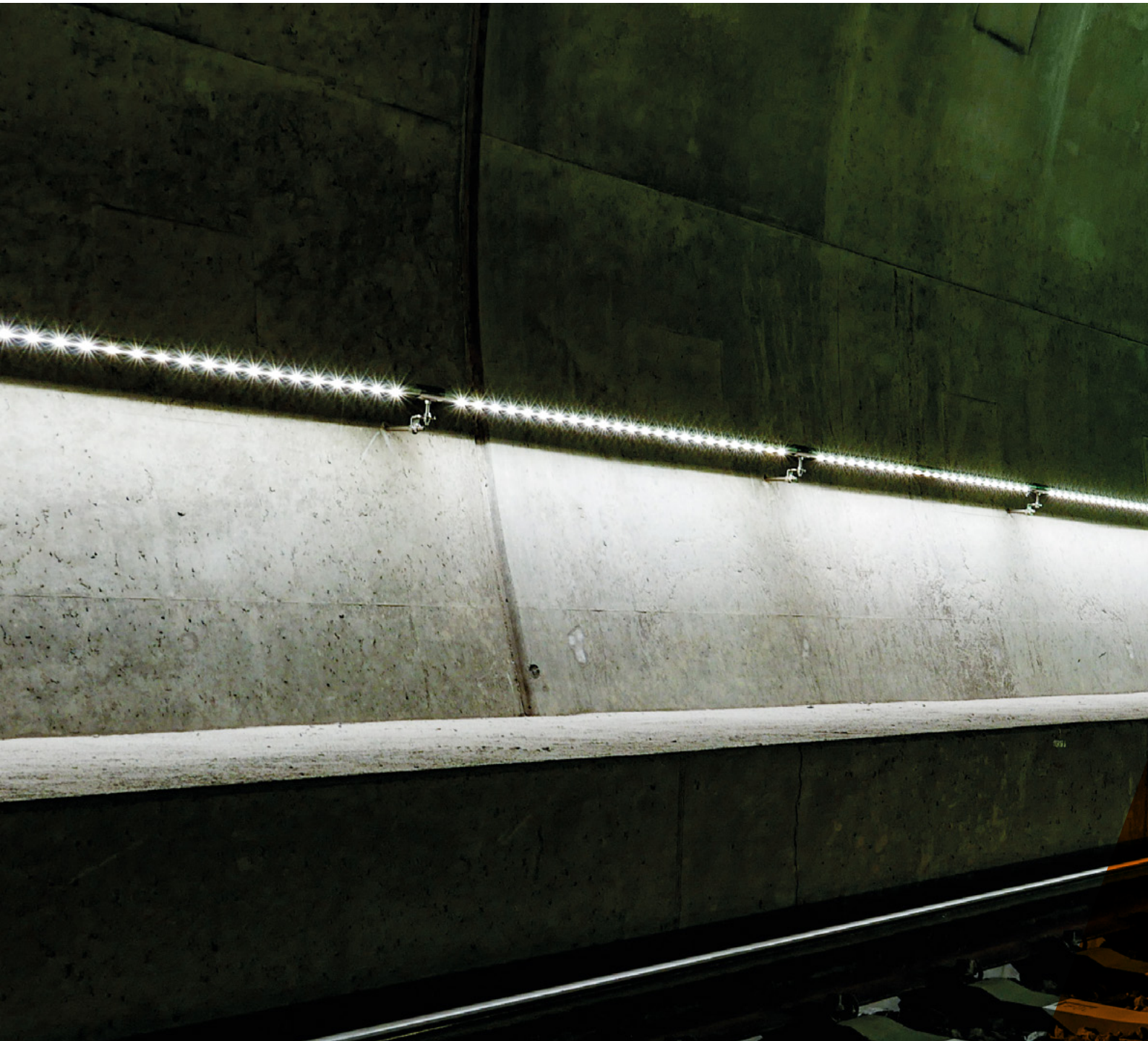
HandraiLIT facts

- Modular system with 0,75m and 2m single segments made of high-quality stainless steel (V2A) and optionally V4A
- Simple, quick assembly and installation
- Single colours and choice of RGB possible
- High quality plug connections and cable entries
- With protection class IP 65
- Fire-retardant and halogen-free materials
- Double insulated, halogen-free cables tested to 6kV
- State-of-the-art LED technology with different illumination variants

Advantages for tunnel applications

- Minimum illumination walkway: 5 lux (illumination up to 70 lux possible)
- System protection class: IP 65
- Cleaning with up to 100 bar water pressure
- Injury-free, seamless transitions and accesses
- Usable in existing and new tunnels
- Resistant to pressure and suction loads in railway tunnels up to 330 km/h operating speed
- Redundant operation to increase reliability
- Also available as niche and escape sign illumination
- Low power consumption (< 1 W/m at min. 5 lux) and long service life
- Protected integration of the lighting fixtures in the hand
- Profile (impact resistance IK10)
- DB Netz AG product release [List sheet number 4Z1]
- Testing according to current EMC guidelines





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Subject to change without notice. Status 14.07.2022

