



handraiLIT – Orientation and guidance system for railway tunnels

// The handraiLIT system is a modern, cost-effective orientation and guidance system for railway tunnels and allows self-rescue actions in case of emergency. Innovative solution to ensure the highest level of safety.

Operating principle

The handraiLIT is a combination of a high quality corrosion-resistant stainless steel handrail and the orientation lighting. The completely grouted LED light strip is inserted into the semi-shell construction. The modular system allows the integration of linear and point lighting. Through redundant power supplies a complete and consistent lighting is guaranteed.

Main benefits

- Failure detectability
- Redundant power supply
- Low probability of failure
- Fire-retardant and halogen-free materials
- Safety extra-low voltage (SELV, SKIII)
- Long service life due to high-quality components
- Easy replacement of components
- High energy efficiency
- DB Netz AG approval available

handraiLiT – Orientation and guidance system for railway tunnels

Technical data HandraiLiT 5lx (Emin) variant

Material	V2A steel* (all contact and load-bearing parts)
Assembly	Possible by means of anchor rod, wall bracket with support angle or upright (completely made of V2A or V4A steel).
Weight	1,9kg/m
CCT	4000K
Single light point distance LED-LED	70mm (120mm for mounting transition)**
Supply voltage nominal	24VDC+- 3% (17VDC min.)
Protection class	IP65
Shock resistance system	IK10 (vandal-proof)
Power system	0,56W/m**
Dielectric strength system	6kV (DIN EN 60664-1)
Temperature application range	-20°C to + 45°C

Technical data escape sign luminaire RSL 50lx

Material	V2A steel* (all contact and load-bearing parts)
Assembly	Possible by means of anchor rod, wall bracket with support angle or upright (complete V2A or V4A steel). Integrated in handrail tube (complete V2A or V4A steel) (complete V2A or V4A steel)
Weight	0,3 kg
CCT	4000K
Supply voltage nominal	24VDC+- 3% (17VDC min.)
Protection class	IP65
Shock resistance system	IK10 (vandal-proof)
Power system	2W
Dielectric strength system	6kV (DIN EN 60664-1)
Temperature application range	-20°C bis + 45°C



*V4A possible on request

**without escape sign luminaire RSL



handraiLIT

// Handrail and illumination in one product.

handraiLIT Features

- Stainless steel in V2A, or higher quality V4A in 0.75m or 2.0m standard length (deviating lengths on request).
- High-quality brand LEDs
- Linear lighting
- Niche and escape sign lighting can be integrated
- High-quality plug connections and cable entries with protection class IP 65
- Optional cable integration possible

Installation & Maintenance

- No special tools required, mainly standard parts are used
- standard parts are used
- Elements can be dismantled in a few minutes and replaced as spare parts if required



INCREASED SAFETY



LOW MAINTENANCE



SIMPLE ASSEMBLY



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05.05.2021