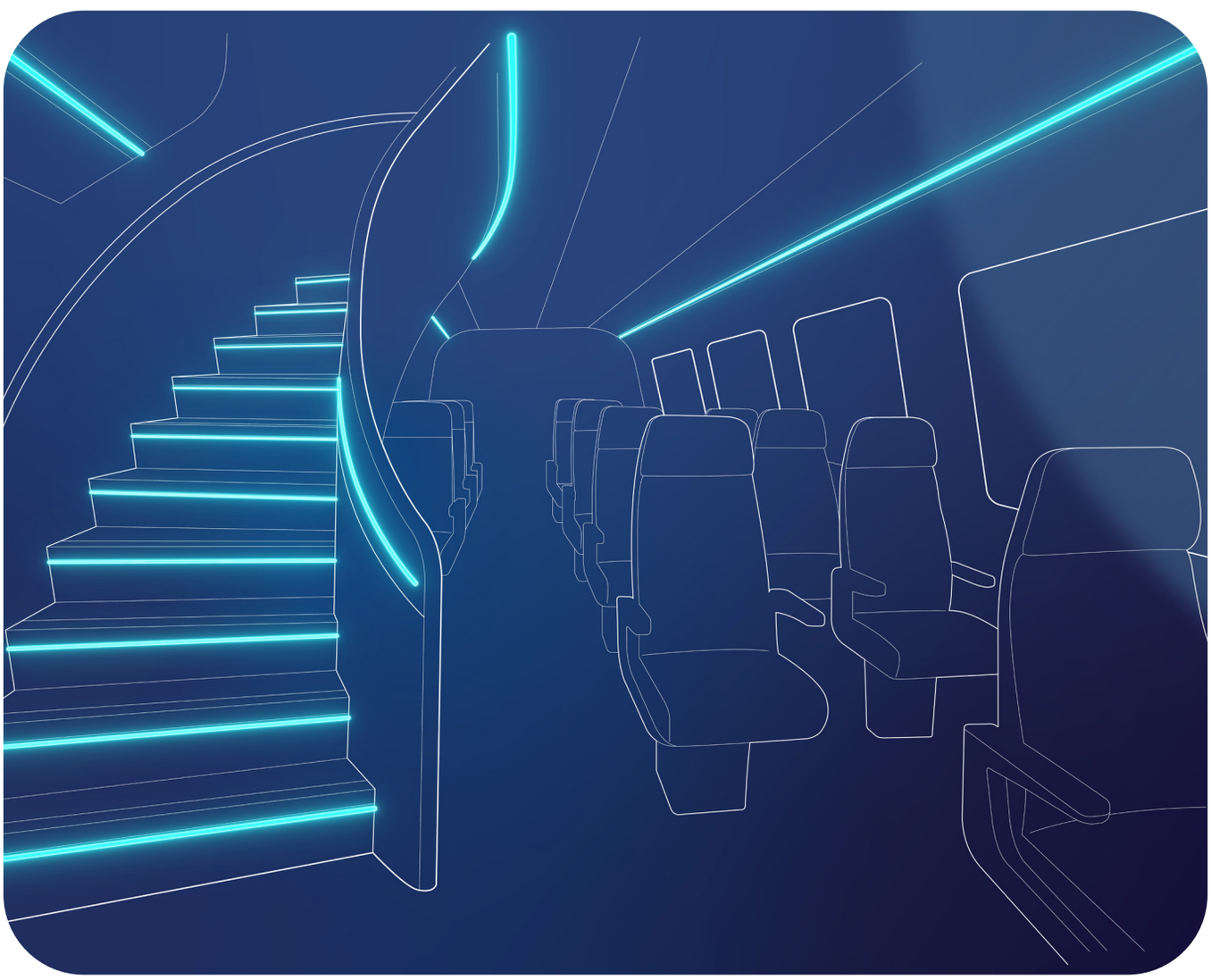
SBF

lighting systems for mobility
and infrastructure

100% Product Information

Light Guide

Ultracompact lighting solution for
confined installation spaces



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Light Guide – compact, flexible, maintenance-free

SBF's light guide technology enables ambient and signal lighting even where installation space is limited. With flexible geometries and lengths of up to two metres, it opens new design possibilities for railway interiors. Light is fed only at the ends, allowing efficient, maintenance-free integration – ideal for areas without service access.

Application Examples

- Ambient lighting in passenger areas
- Signal effects in critical zones
- Free-form radii and curves, e.g. in tables or counter sections

Advantages at a Glance

- Ultracompact design for minimal installation space
- Flexible geometries up to 2 m in length
- End-fed, maintenance-free operation
- Components compliant with EN 45545, EN 50155, EN 61373 and EN 50121

Technical Data

- Operating voltage: 24 / 36 / 110 V DC
- Light colours: 2700–6500 K or RGB, dimmable
- Length: up to 1.5 m (one-sided), up to 3.0 m (two-sided)
- Cross-section: Ø 3.5–12 mm, weight approx. 5–25 g/m
- Temperature range: –40 °C to +55 °C

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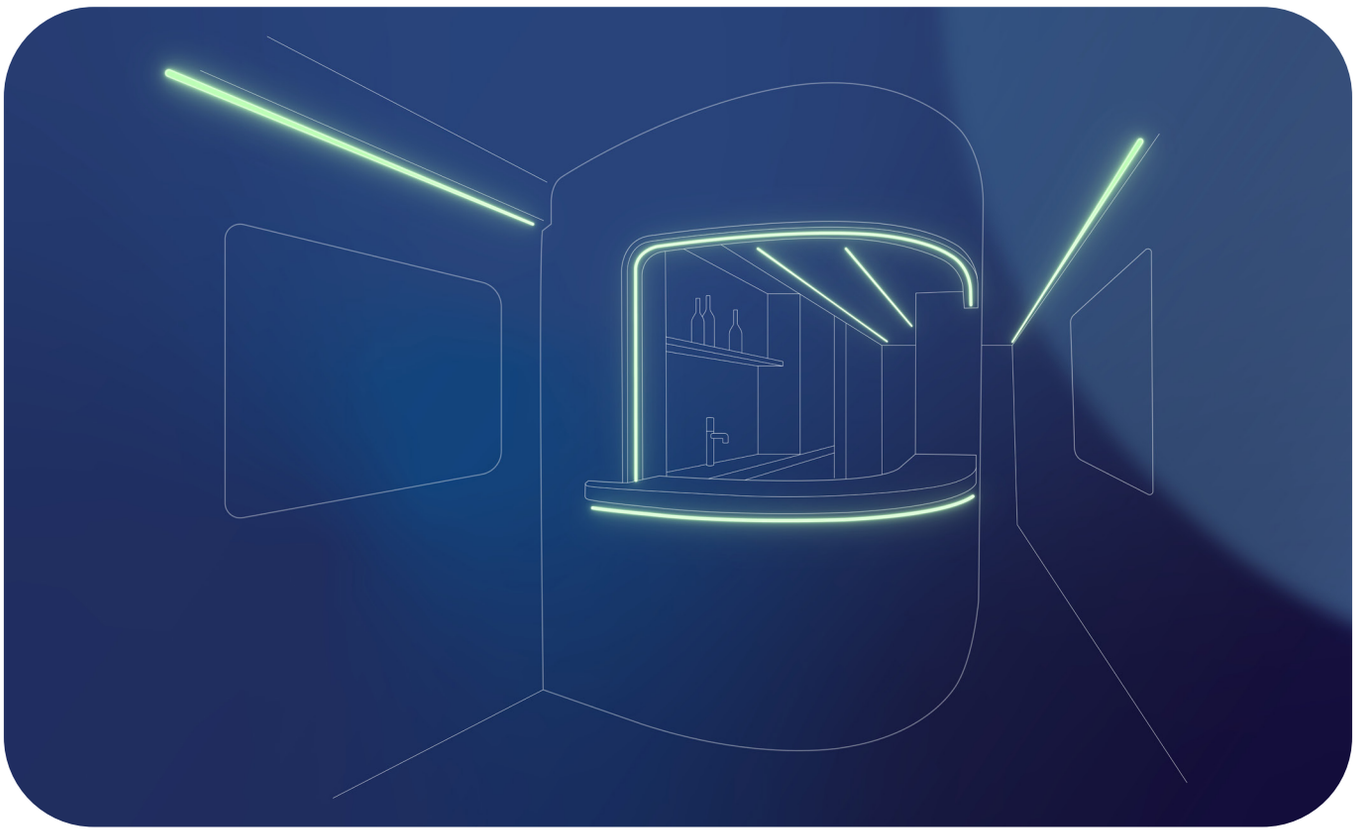
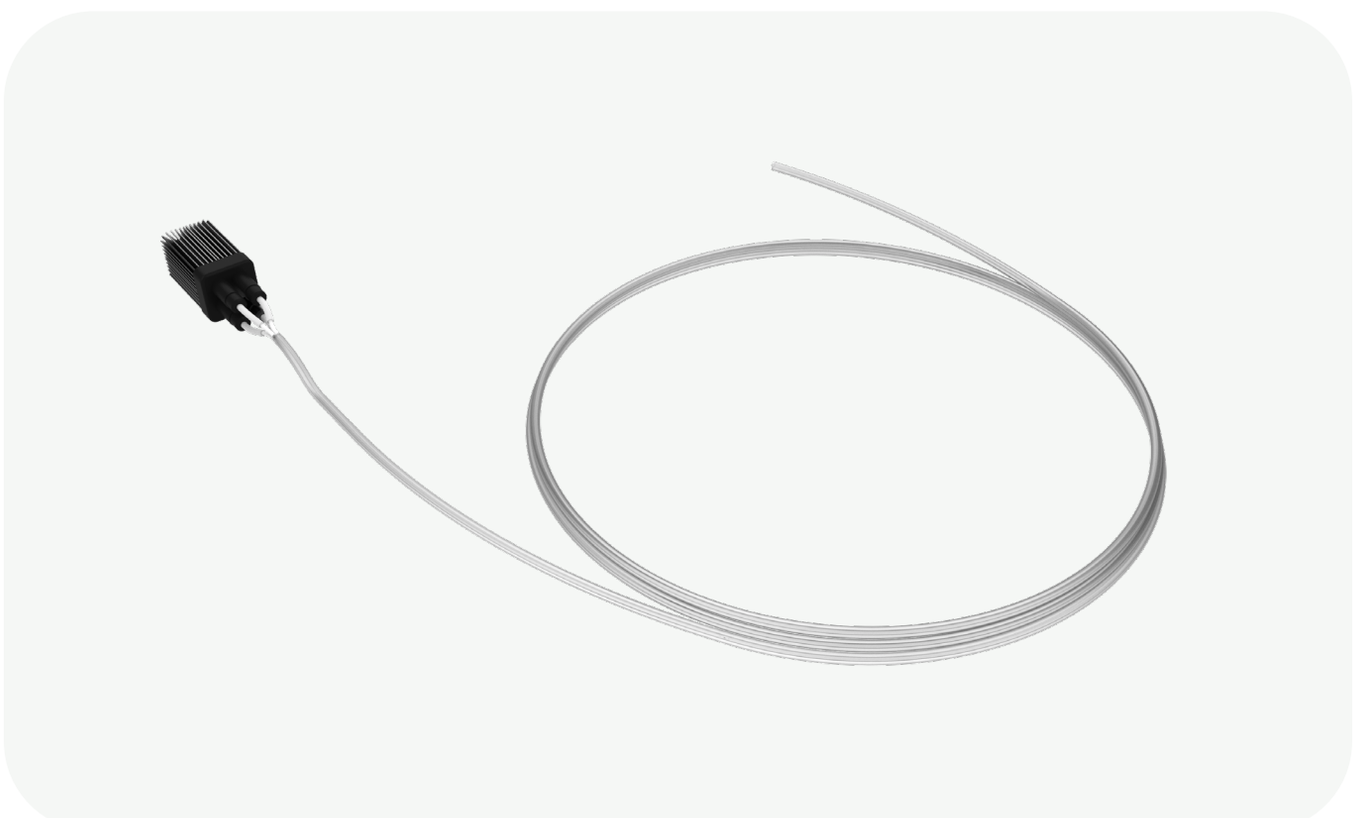


Visualization of an integrated fiber-optic lighting solution for linear illumination in minimal installation space.



Light guide – an ultracompact solution with flexible geometry for ambient lighting and signal effects

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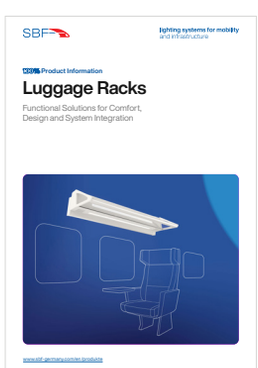
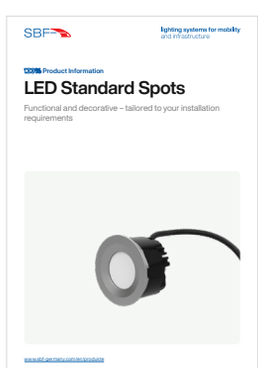
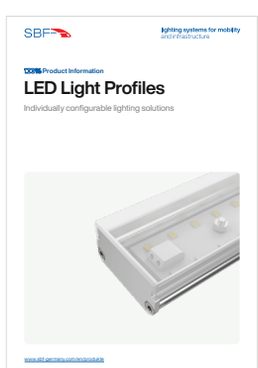
Vehicle Seat – System Components
Product Information



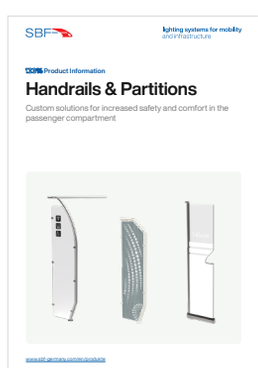
Luggage Racks
Product Information



LED Standard Spots
Product Information



LED Light Profiles
Product Information



Handrails & Partitions
Product Information

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