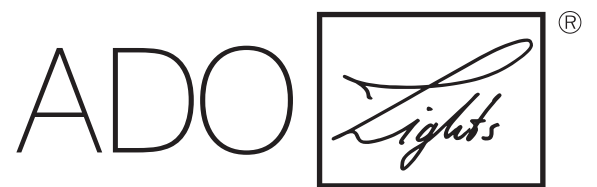

PROJECT

Isar Bridge
Bad Tölz



by TTC Timmler Technology



Light designer

Prof. Michael Schmidt, Bruckmühl

Atmospheric, energy-efficient, safe

In times of rising energy costs and increasing light pollution, replacing energy-intensive street lights with energy-saving LED technology is an important step.

Several years ago, the town of Bad Tölz decided to modernise its street lighting. As part of these modernisation measures, the Isar Bridge, which had by then become rather ageing, was refurbished. The bridge serves as a link between the historic old town and the spa area of the health resort, and is consequently very busy with pedestrians.

In addition to being repainted in RAL 8022, the railings have been fitted with LED light lines along their entire length. As darkness falls,

these bathe the wide pavements in an atmospheric, warm white light that not only guides pedestrians safely along their way but also creates a visual link between the two districts.

Almost every light line has a specific length, which is tailored to the distance between any two pillars; in the case of curved light lines, the respective radius is taken into account accordingly.

A distinctive feature of this project is the use of 48 V LEDs. This allows a single supply cable to power up to 20 metres of lighting strips whilst being up to 40 metres long itself. In the version using 24 V LEDs, there would not have been enough space in the structure for the supply cables.



ISAR BRIDGE

Bad Tölz



Basics

LED-Lightline | Eye-catcher + signpost

Luminous lines in the dark. Sometimes eye-catchers. Then again signposts. They accentuate entrance areas or trace architectural contours. Lines of light can be integrated in façades, floor and roof areas, or even into handrails and balustrades – they are always a visual highlight.



Photos: Johann Licht/HL LichtTechnik

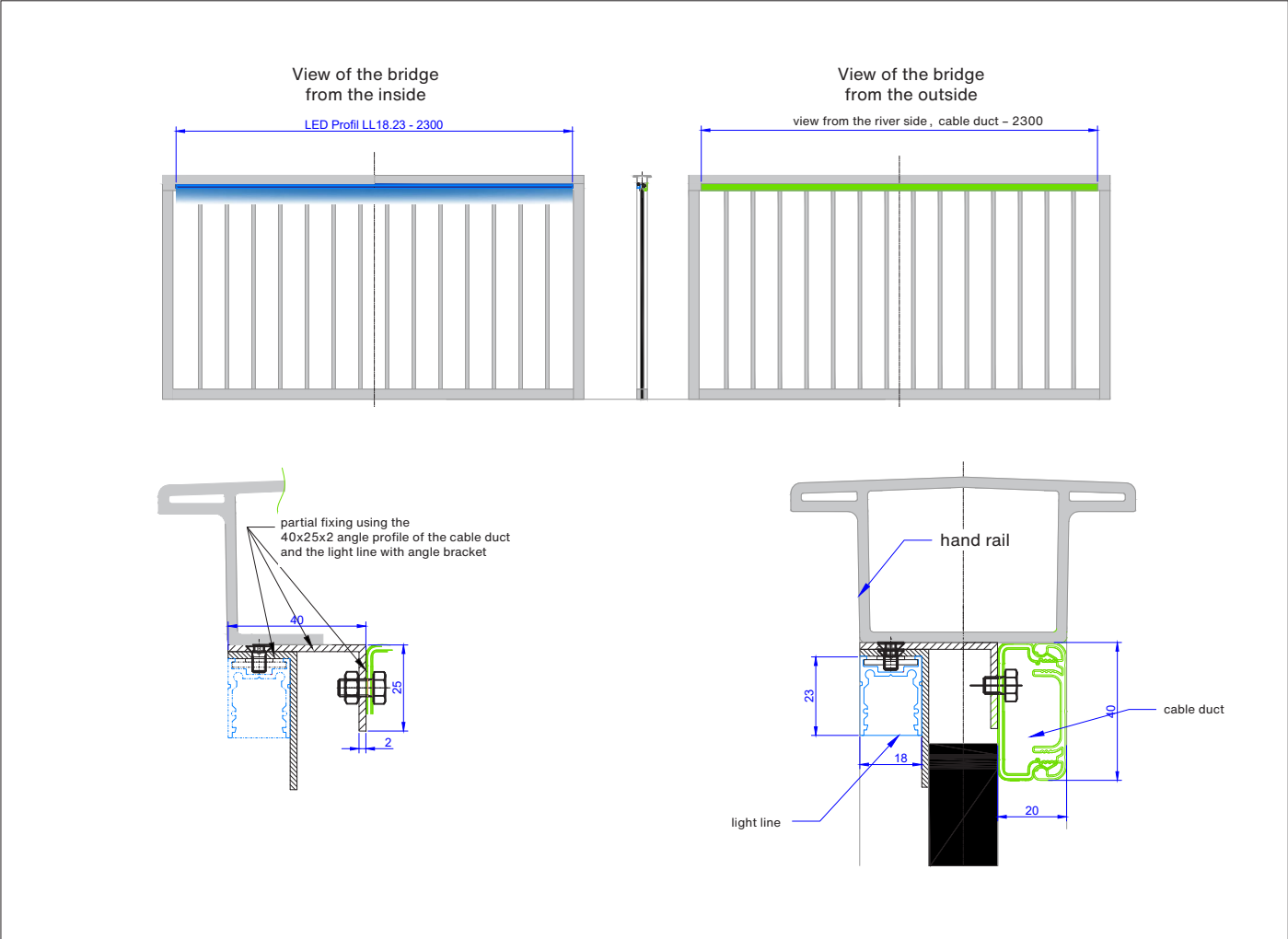
Technical specifications

Built-in products

- Approx. 200 m LED-Lightlines 18.23 straight version, approx. 50 m LED-Lightlines 18.23 curved version
- Each LED-Lightline in a length tailored to the section of the balustrade between two respective pillars
- LED-Lightline 18.23, 18 x 23 mm (W x H) in various lengths, aluminium profile powder-coated to RAL 8022, equipped with SMD-LEDs, light colour 2700 K, 48 VDC, 14.4 W/m, opaquely moulded, IP68, 0.5 m connection cable with IP67 plug connection
- Custom design with cable duct and angle bracket for fixing to the existing site railing



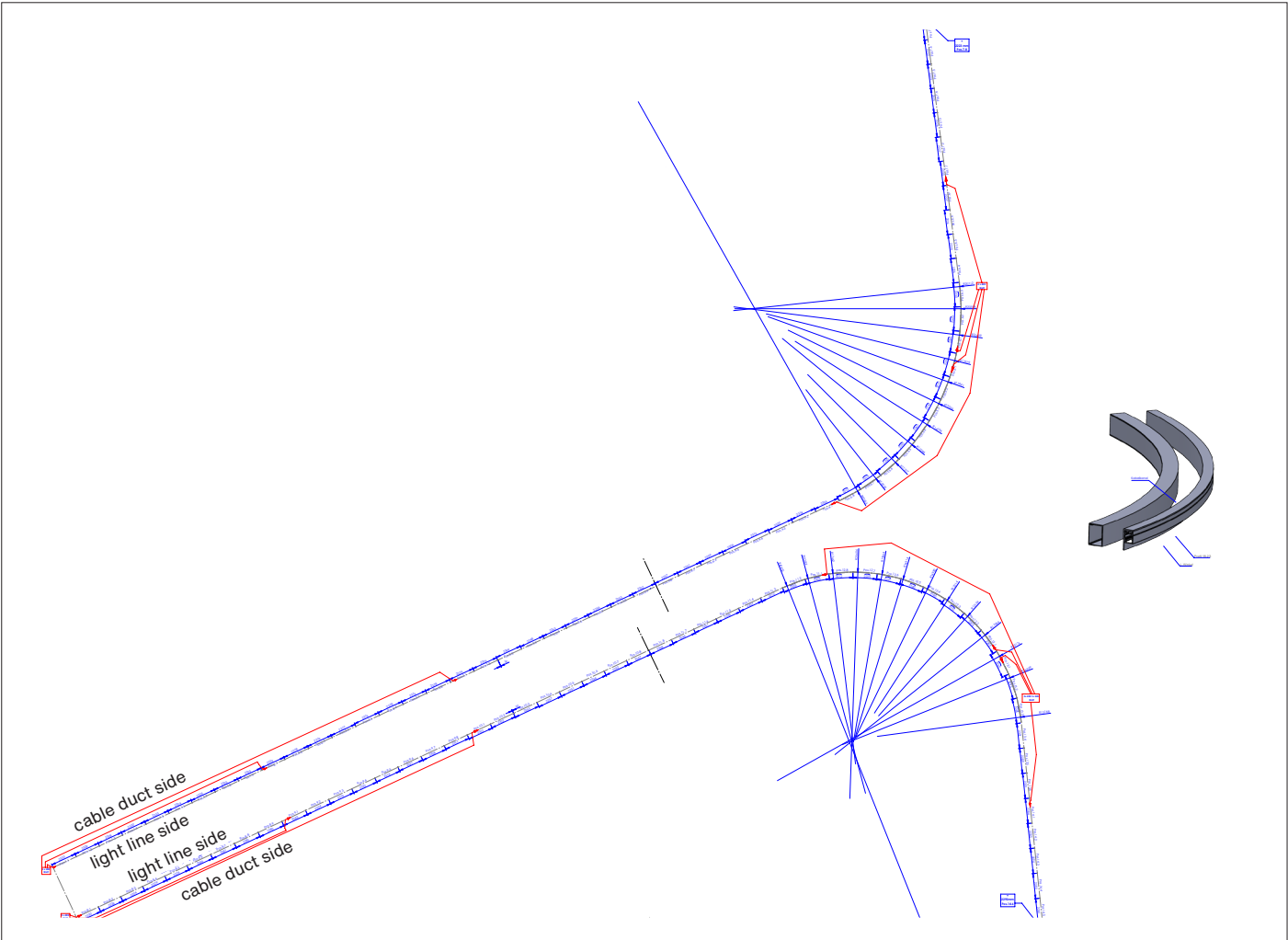
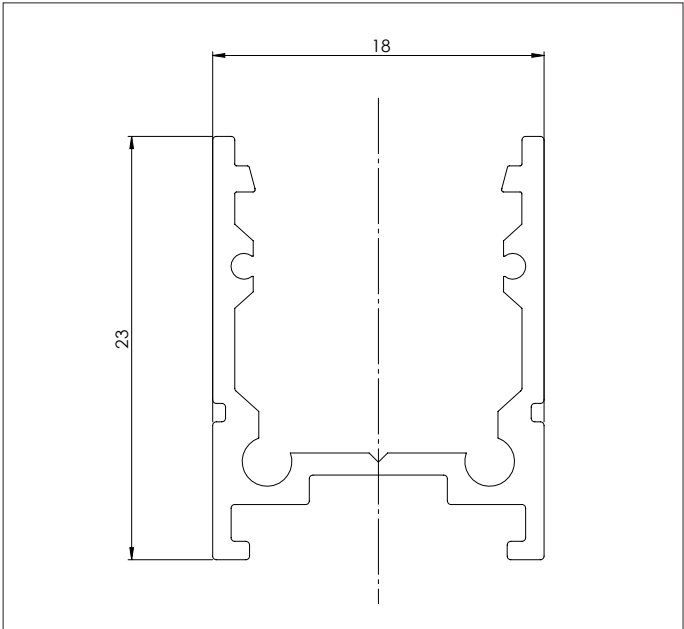
Pictures | Technical drawings



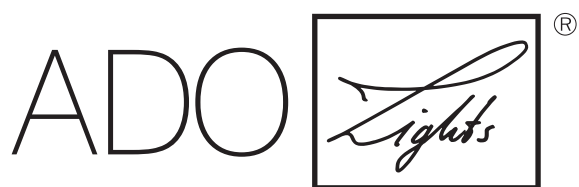
Quick Info | Technical drawings



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