
PROJECT

Römerkanal
Information Centre
Rheinbach

RÖMERKANAL INFORMATION CENTRE Rheinbach



ARCHITECT | ENGINEERING

Beyss Architekten, Bonn | Kuepper, Bad Neuenahr-Ahrweiler

Watercourse then and now

The ancient Roman Canal is best Roman engineering, laid out over 95 kilometres as a pure downpipe to supply the inhabitants of former Colonia Agrippina, present-day Cologne, with fresh water from the Eifel. The Roman Canal hiking trail now runs along the partially restored building from around 80–90 AD.

The information centre is located in the heart of Rheinbach, halfway between Nettersheim and Cologne. TTC stainless steel façade channels with grating covers have been installed to ensure that the water runs properly here. LED LightLines on the façade put the building in the right light and continue the old Roman Canal in the exhibition.

LED downlights and light rails with LED spots with different beam angles ensure good lighting for the exhibition rooms and exhibits relating to the topic "How the water learned to walk".

Products

- TTC façade drainage channels and covering with filigree linear gratings both made of stainless steel
- LED built-in lightlines indoors and outdoors
- LED Ground-level spot
- LED Around pendant circular luminaire
- LED spotlights type »Saturn« on power rails
- LED downlights type »FullMoon 2«

As a supporter of the project "The Roman Canal – competitive for the future", TTC/ADO Lights sponsored the city of Rheinbach with the LightLines in the outside area as well as the drainage channels and covering gratings.



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EXHIBITION ROOMS

LED Spots + LED Downlights

LED Spots | LED Downlights

- 78 units LED spots type Saturn
aluminium, white powder-coated, 110 x 136 mm [ø x L],
3,000 Kelvin, 33 W, max. 4000 lm, integrated adapter for
3-phase-track
 - _ 39 units, light beam angle 20°
 - _ 14 units, light beam angle 30°
 - _ 25 units, light beam angle 45°
- 17 units power-rails in 3 lengths [1.5/3/4 metres],
DALI, for ceiling mounting
- 2 units power-rails each with a length of 4 metres, DALI,
for pendant mounting
- 34 units LED downlights type FullMoon 2
aluminium, white powder-coated, 83 x 84 mm [ø x D],
equipped with a reflector, 3,000 Kelvin, 14 W,
1,500 lm, DALI dimmable



RÖMERKANAL INFORMATION CENTRE

Rheinbach

EXHIBITION ROOMS

LED LightLines | LED Ground-level spots | LED Around

LED LightLines

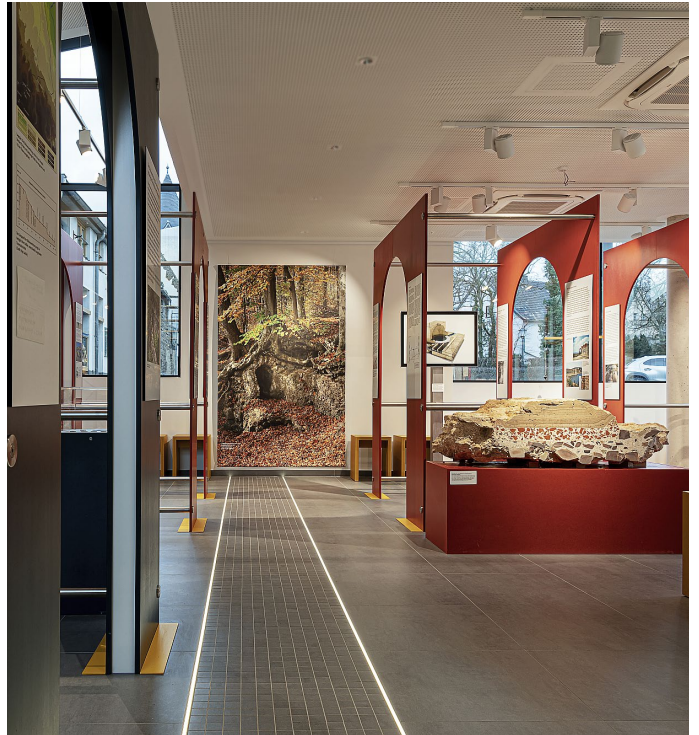
- 19.8 metres LED built-in lightlines type LLF12.30 straight version, LED white, 3,000 Kelvin, 19 W/m, 24 VDC, DALI extern, dimmable, IP68, incl. aluminium mounting profile 15 x 45 mm
 - _ 2 units 9.3 metres indoor
 - _ 1 unit 1.2 metres Roman Canal exhibit

LED Ground-level spot

- 3 units LED ground-level spots type LF150 150 x 150 x 120 mm [L x W x H], stainless steel housing, covered with VSG safety glass, homogeneous and glare-free light emission, asymmetric light beam angle, 3,000 Kelvin, 16 W, 24 VDC, protection class III, IP67, can be driven over up to 1,5 T wheel load, incl. stainless steel housing for in-ground installation

LED Around

- 3 units LED Around circular pendant luminaire Ø 610 mm, white powder-coated, cable suspension, prism diffuser 120° light beam angle, light extraction direkt/indirect (60/40), 3,000 Kelvin, 45 W, DALI dimmable



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OUTDOOR AREA

LED LightLines | TTC Façade channels + TTC Covering gratings

FAÇADE DRAINAGE

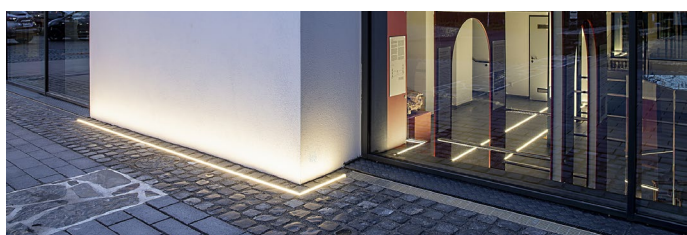


LED LightLines

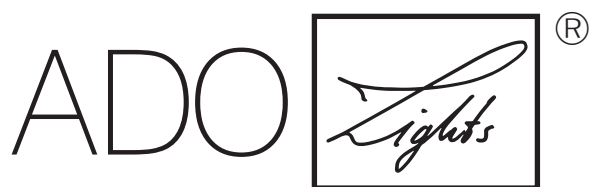
- 16.3 metres LED built-in lightlines type LLF12.30 straight version with 3 mitres, LED white, 3,000 Kelvin, 19 W/m, 24 VDC, DALI extern, dimmable, IP68, incl. aluminium mounting profile 15 x 45 mm

TTC Façade channels + TTC Gratings

- 19.65 metres façade drainage channels type FR10/K made of stainless steel 1.4301
- 19.85 metres TTC grating covers type KSM-V 3.4-7 made of stainless steel 1.4301, bar distance 7 mm
 - _ 2 units 3.5 metres Glass cube
 - _ 1 unit 12.85 metres Concrete cube with 1 mitre



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