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# PROJECT

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Drainlight for  
Fountains + Basins

ALLGEMEINES

## Water as a centre of attraction

Fountains, water features, basins - water is a point of attraction in both public and non-public spaces.

Even in earlier times, fountains had a social function: this is where people fetched water, washed their laundry and met other people. Water basins and water plays, on the other hand, had more of a design and entertaining character – for example, in the geometric garden art of the Renaissance. In the meantime, fountains, at least in our latitudes, have also become predominantly decorative in nature. But even in what today seems to be merely decorative, there is still something useful, for water contributes to improving the microclimate. Last but not least, in many hotter regions, fountains and water basins can be found in patios and gardens to lower temperatures at least slightly through evaporative cooling.

However, climate is not our topic here, but water and light. Drainlight is what we call the combination of stainless steel drainage channels and cover gratings in combination with LED lighting.

The fully encapsulated LED light lines delicately frame fountains and water basins. Like the channels and gratings, they are available in straight or curved versions. The radius is freely selectable and thus adapts perfectly to the contour of the object. Water features can be accentuated with LED spotlights integrated into stainless steel sinks. Additional effects can be created using coloured LEDs with DMX interface.

Grates and channels are available in roll-over/traversable versions and with paval inspection boxes.



# DRAINLIGHT FOR FOUNTAINS + BASINS

Town Hall

Oberostendorf

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## PLANNER

Daurer + Hasse – Büro für Landschafts, Ort- und Freiraumplanung, Wiedergeltingen

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## Products

- 3.8 metres LED-LightLine LLF 12.30, incl. power supply, aluminium profile 12 mm wide, equipped with SMD-LED, 3,000 K, 24 VDC, IP68, opaque moulded
- 4 TTC linear gratings KSF, stainless steel, each 950x70 mm [LxB], profile 18/3 mm, profile distance 10 mm, mitred corners
- 1 stainless steel tray 2 mm wall thickness, edged, 4-sided with a slope to centre of the tray, 950x950x150 mm [LxBWxH], all-round outside with reinforced channel edge, inside incl. mounting for LED-LightLine
- 4 feet for fountain element (1.5 t), required adjustment range approx. 8–10 mm



# DRAINLIGHT FOR FOUNTAINS + BASINS

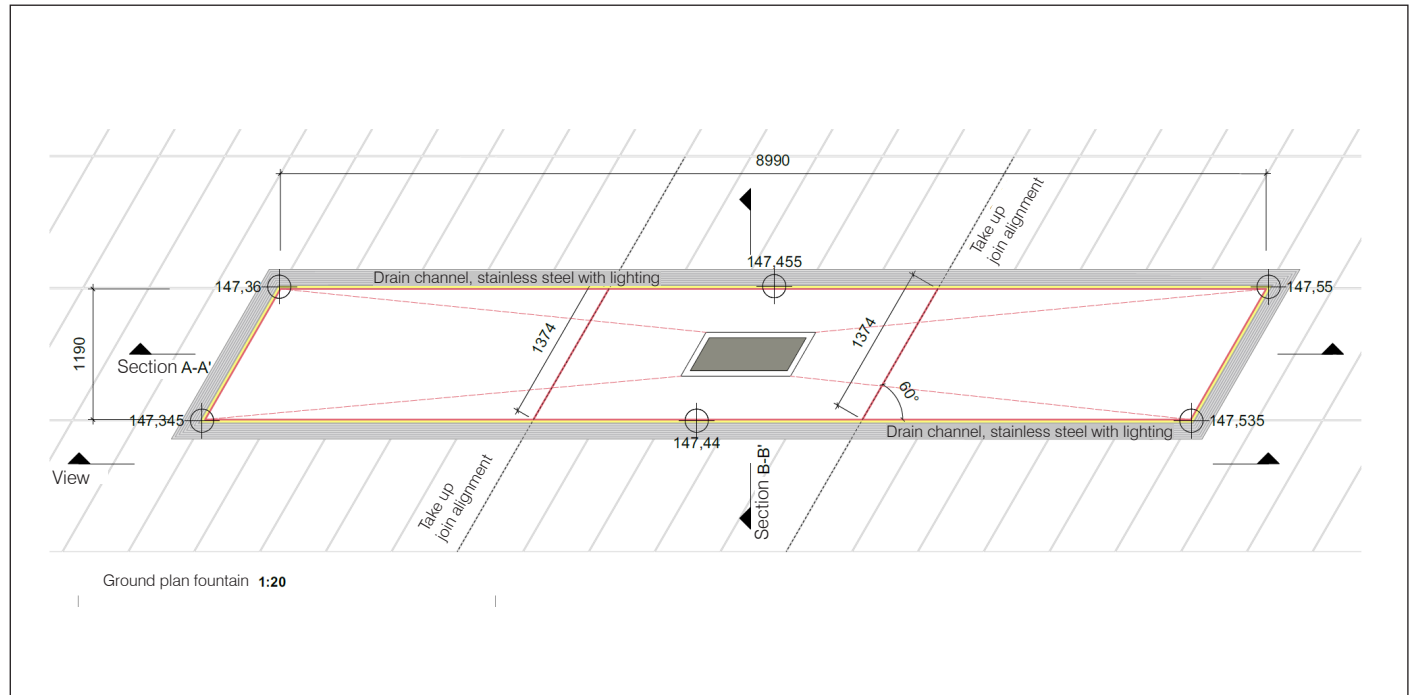
Office and Administration Building

Wiesbaden



LANDSCAPE ARCHITECT

Bierbaum.Aichele.landschaftsarchitekten, Frankfurt am Main



# DRAINLIGHT FOR FOUNTAINS + BASINS

Office and Administration Building

Wiesbaden

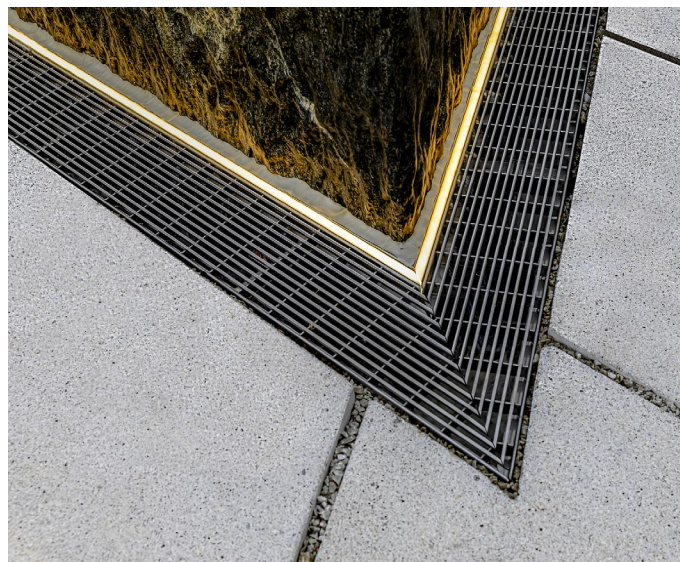


## PRODUCTS

Technical specifications

## Products

- 21.2 lfm Drainlight incl. mitred corners
- TTC drainage channels FR10/K, stainless steel, 1.4301, 1.5 mm wall thickness, with drain nozzle DN 100
- TTC linear gratings KSM-V, stainless steel, filigree longitudinal profile, profile width 3.4 mm, profile distance 7 mm, bar distance 50 mm
- LED-LightLine AL LLF 12.30, incl. power supply unit, aluminium profile 12 mm wide, equipped with SMD-LED, 3,000 K, 24 VDC, 19 W/m, dimmable, IP68, opaque moulded for homogeneous light emission without dark zones at the joints, supply cable with plug connection IP67
- 2 revision cases RK 400/400, stainless steel, for 2 power supplies, 1.5 mm wall thickness, incl. pavaable/fillable insert, 400x400x300 mm [LxWxH]



# DRAINLIGHT FOR FOUNTAINS + BASINS

Wasser-Licht-Spiel (Play of Water and Light)

Zwickau



## ARCHITECT

Architektur Concept Pfaffhausen + Staudte, Zwickau

## Eye-catcher for refreshment

For the 900th anniversary of the city, the city of Zwickau has given a highlight in the old town with the support of sponsors and the "Urban Protection Monument" program.

A play of water and light winds its way through the main market, suggesting the shape of the city logo. It combines stainless steel drainage channels, covered with linear gratings type KSM-V, with integrated LED light lines and nine illuminated water fountains in the form of drain boxes with water nozzles and LED spotlights.

While in the evening the coloured light is the eye-catcher for passers-by, the fountains are also used for a little cooling on hot days.



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Wasser-Licht-Spiel (Play of Water and Light)

Zwickau

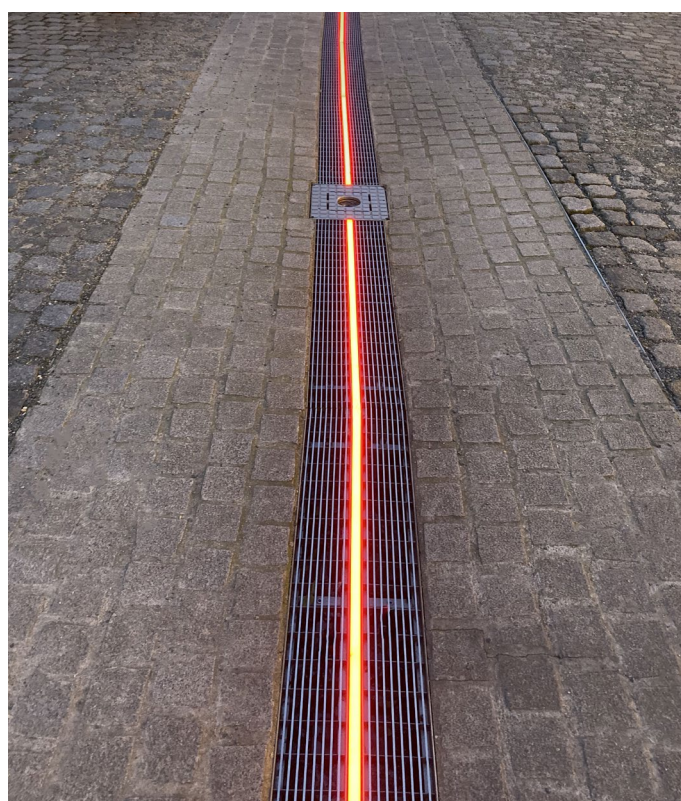


## DRAINLIGHT

Technical specification

## Products

- 45 meters Drainlight
- TTC drainage channels made of stainless steel covered with gratings type KSM-V, which can be driven over with trucks D400, polygonal passway, 250 x 250 mm [W x H]
- LED LightLine VA, 20 mm width, equipped with LED RGB-W, 3,000 K, 24 VDC, 19 W/m
- Drain boxes, approx. all 4 meters, with milled covering plates made of stainless steel for integration of water nozzles with LED-RGB-spotlights
- Collectively controllable by using a DMX interface



# DRAINLIGHT FOR FOUNTAINS + BASINS

Exclusive Residential Estate

Düsseldorf



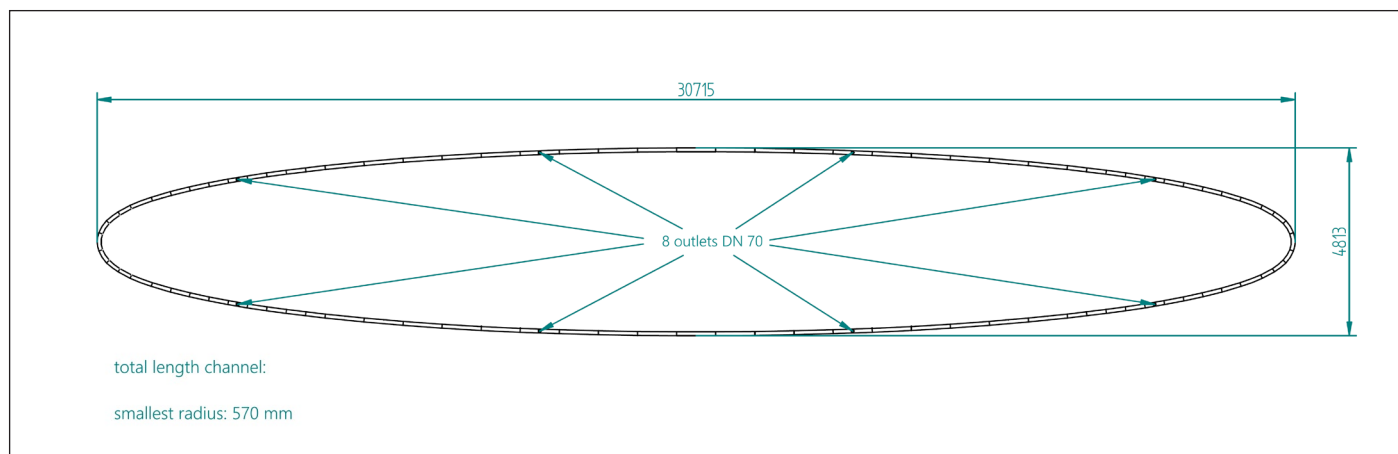
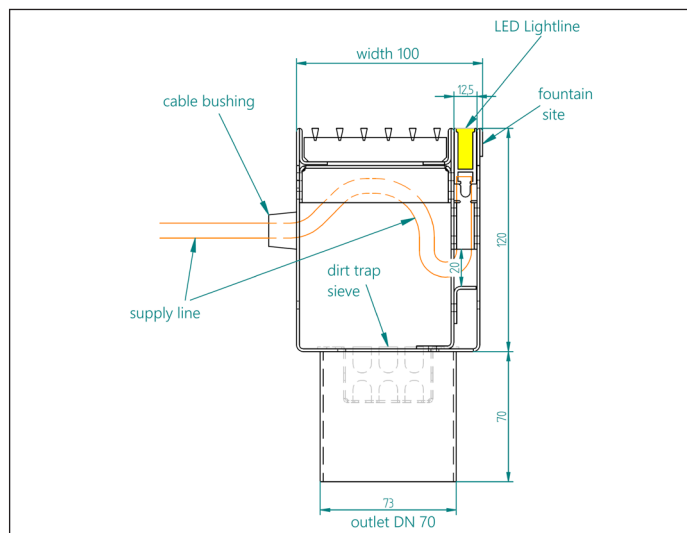
ARCHITECTS | LANDSCAPE ARCHITECT | IMPLEMENTATION | LIGHTPLANNER

sop architekten, Düsseldorf | pink architektur, Düsseldorf | WKM Landschaftsarchitekten, Düsseldorf | Lill + Sparla, Cologne | a:g Licht, Cologne

## Highlight in the inner courtyard

In the middle of Düsseldorf's old town sits the former district and regional court, a listed building from the Wilhelmine era. After the revitalization of the building, you can find now an exclusive residential estate – an ensemble of old and new buildings, under the roofs of which many uses are combined: in addition to condominiums, you can also find a hotel and serviced apartments, plus a diverse range of catering, art and culture.

The highlight inside the inner courtyard is an oval basin, subtly illuminated with a curved light line in combination with drainage channels and cover grids made of stainless steel. Gutters and gratings have the same look on the passages and façades, terraces and balconies. In addition, slotted channels ensure optimal surface drainage.



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Exclusive Residential Estate

Düsseldorf

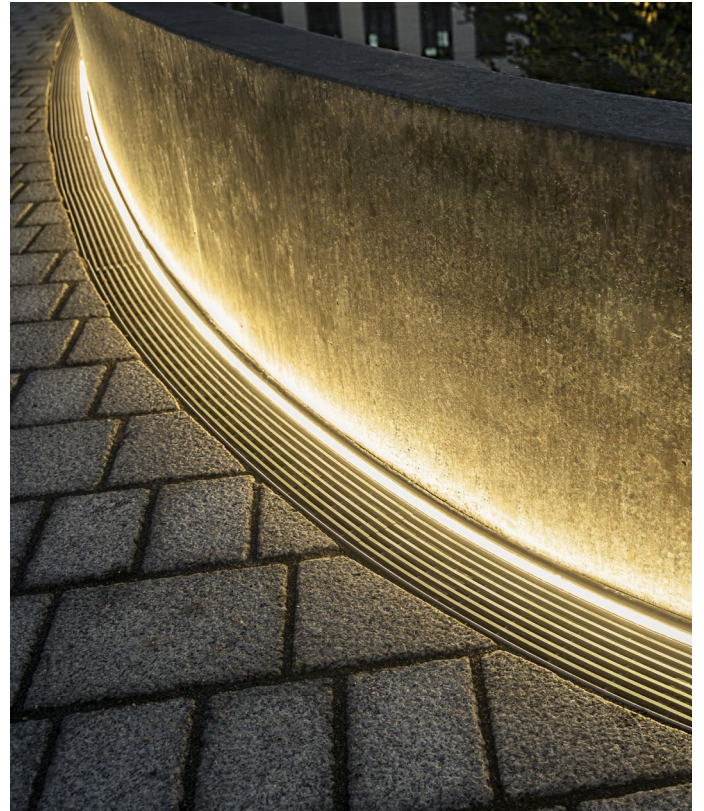


## WATER BASIN

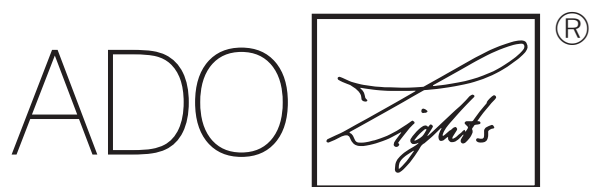
Technical specification

### Products

- LED light lines LLF.30.22 with TTC drainage channels, stainless steel, 12 mm wide, LED white, 3,000 K, 24VDC, 19W/m, opaque shed, IP68
- Straight version  
approx. 56 metres with 28 units each 2,005 mm long
- Curved version  
approx. 7.25 metres with 4 units each 1,814 mm long
- TTC drainage channels FR/U rigid, stainless steel 1.5 mm, closed version, channel width 100 mm, channel height 120 mm, with partition plates for receiving the LED light lines, support bracket and cable routing; including 8 units drain nozzles DN70, welded in channels
- Straight version with dual-sided polygonal cutting, approx. 56 metres with 38 units each 1,002 mm long and 36 units each 501 mm long
- Curved version with 5 different radii, approx. 7,7 metres with 4 units each 1,920 mm long
- Approx. 63,7 metres TTC linear gratings KSM-V, stainless steel, curved and straight version, longitudinal profile, profile width 3.4 mm, profile distance 7 mm



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