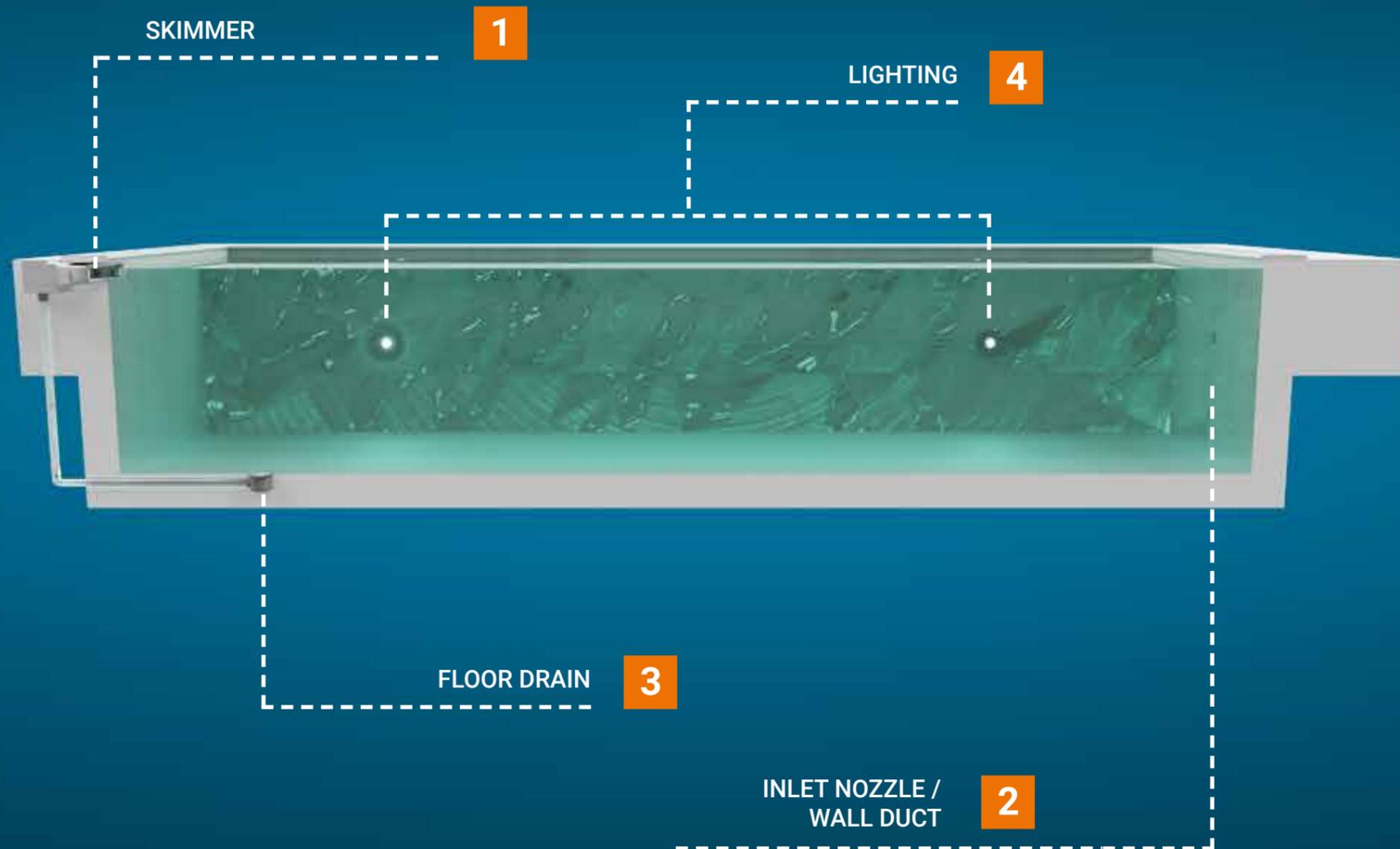


Always an idea ahead.



## INTEGRATED PARTS STAINLESS STEEL

Skimmer | Inlet nozzle  
Wall duct | Floor drain | Light



Illustrated example of a skimmer pool

# HARMONIC POOL DESIGN

## ALL THE WAY TO THE BOTTOM OF YOUR POOL

### BEHNCKE INTEGRATED STAINLESS STEEL PARTS.

Charles Eames, American design legend, knew: "details make design". BEHNCKE transferred this principle to integrated parts made from stainless steel. Produced in our in-house manufacture near Munich, they are real winners not only from a visual point of view. BEHNCKE starts off with high-quality AISI 316 stainless steel as raw material, which makes our products extremely durable and robust.

Swimming pools have various neuralgic spots when it comes to functionality. Inlet nozzles, floor drains and skimmers ensure an ideal flow for absolutely clean water.

All BEHNCKE integrated parts are available in a round shape or a contemporary CUBE Line design.



### 1 SKIMMER For a shiny pool

The skimmer cleans the water surface, and together with the floor drains, ensures ideal water circulation and perfect water quality in the pool.

A large size strainer reliably catches dirt particles such as leaves.

### 2 INLET NOZZLE / WALL DUCT For the right flow

Choosing the right quantity, size and best positions of the inlet nozzles in your pool ensures an ideal flow, making it an important component for pool water treatment.

### 3 FLOOR DRAIN So stylish

In combination with the skimmer, the floor drains take care of discharging the water from the pool.

An optimum water circulation maintains a continuously perfect water quality.

### 4 UNDERWATER SPOTLIGHTS So illuminating

Apart from the traditional PAR 56 light, we also offer economical LEDs by EVA Optic. They have a 4-year manufacturer warranty, can be used in any size pool and are available in a multi-colour RGB version.

# SKIMMER

## FOR A SHINY POOL COMBINING FUNCTION AND DESIGN

Our skimmers made in Germany impress not only with their function but also their design and longevity from the use of high quality AISI 316 stainless steel as a raw material. The skimmer cleans the water surface, and with the floor drains, ensures ideal water circulation and perfect water quality in the pool. A large size strainer reliably catches dirt particles such as leaves, making skimmers an enormously important component of pool water treatment.

BEHNCKE offers compact models for small or cost-efficient pools, exclusive models with an integrated front slide-in strainer basket for comfortable pools and skimmers with extended installation depths for wide pool rims. If the client wants a high water level near the overflow pool, BEHNCKE's B500 Ultimate sets new standards for skimmers.



## B100 / B200 Skimmer



### STANDARD MODEL

Practical function with attractive pricing.

These skimmers have a simple and compact design, making them particularly suitable for small and cost-efficient pools.

## B280 / B300 / B500 EVO / B600 EVO Skimmer



### WITH SLIDE-IN UNIT

Front slide-in unit for a flawless pool border.

With its large skimming opening and exclusive design, this skimmer is used especially in comfortable pools.

Its integrated front slide-in strainer basket eliminates the need for a service opening in the pool border.

## B400 Skimmer



### EXTENDED INSTALLATION DEPTH

The ideal solution for wide pool rims.

This skimmer is 30cm longer. It has an additional water chamber with a weld-in holder for installing a water level regulator.

## B500 Slim / B600 Slim / B500 Ultimate Skimmer



### HIGH WATER LEVEL

New benchmark for water levels.

B500 Slim and B600 Slim enable high water levels in the pool. B500 Ultimate sets a new standard for water levels. The result? A water line that is very close to the overflow pool at maximum circulation output.

## SPECIFICATIONS Skimmer

Type	Skimmer type	Throughput	Connection size	Skimming width	Skimming height	Max. water level
B100	Standard	8–12m³/h	2"	200mm	142mm	100mm
B200	Standard	10–15m³/h	2"	200mm	142mm	100mm
B280	With slide-in unit	6–10m³/h	1 1/2"	200mm	145mm	85mm
B300	With slide-in unit	12–20m³/h	2"	300mm	217mm	100mm
B500 EVO	With slide-in unit	8–15m³/h	2"	454mm	285mm	55mm
B600 EVO	With slide-in unit	13–25m³/h	2"	665mm	85mm	55mm

Type	Skimmer type	Throughput	Connection size	Skimming width	Skimming height	Max. water level
B400	Extended installation depth	10–15m³/h	2"	200mm	145mm	100mm
B500 Slim	High water level	8–15m³/h	2"	454mm	85mm	55mm
B600 Slim	With slide-in unit	13–25 m³/h	2"	665mm	85mm	55mm
B500 Ultimate	High water level	7–14m³/h	2"	454mm	85mm	30 mm

# INLET NOZZLES

## FOR THE RIGHT FLOW

### INLET NOZZLES FOR ALL TYPES OF POOLS.

Installing the right quantity and size of inlet nozzles in the right places enables the supply of water into the pool and ensures flawless flow in your swimming pool. This virtually excludes the risk of infection for pool visitors. The holes according to DIN EN 16582 standard, with a size of 7.9mm (x4), also protect from injuries.

BEHNCKE inlet nozzles are available for all pool types with or without flanges. All models come in a choice of round or CUBE Line design variants.

BEHNCKE inlet nozzles are small but essential details in the construction of swimming pools.

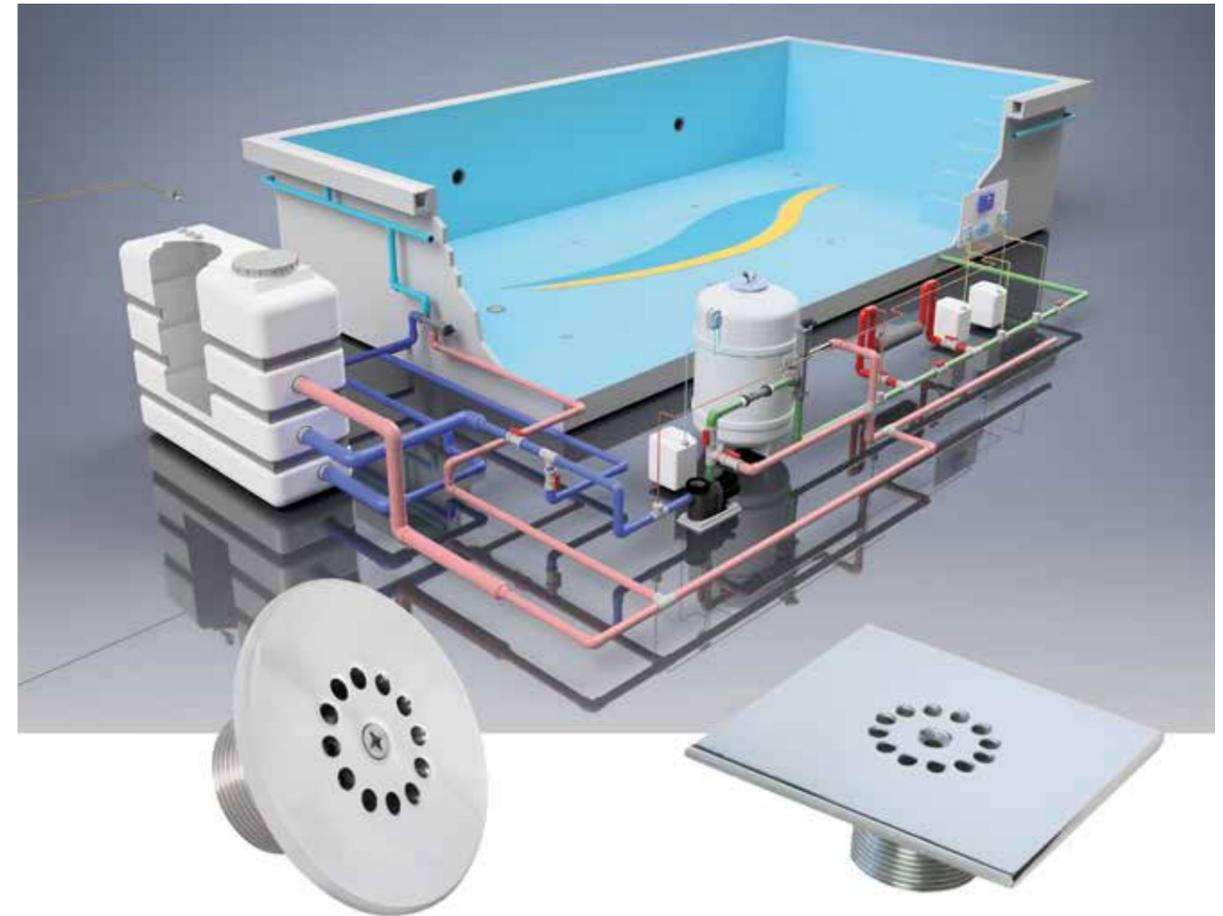


# INLET NOZZLES

## SKIMMER POOL Inlet nozzles



## OVERFLOW POOL Inlet nozzles



### WALL DUCT

**Water transit—but safely!  
With permanent sealing.**

Wall ducts connect inlet nozzle, piping and filter system. Integrated grounding ensure additional safety.

Stainless steel for the wall duct guarantees long service life.



### VOLUME FLOW of the inlet nozzles

Ball diameter (mm)	Volume flow (m³/h) at 4mps	Volume flow (m³/h) at 5mps
1 x 7.9	1	1.25
2 x 7.9	2	2.5
3 x 7.9	3	3.75
4 x 7.9	4	5

Pressure loss approx. 0.03 bar at 4mps and 0.04 bar at 5mps



# FLOOR DRAINS

## SO STYLISH

DESIGN HIGHLIGHTS ON THE POOL FLOOR FOR OPTIMUM POOL HYDRAULICS.

BEHNCKE skimmers and BEHNCKE floor drains perfectly team up. They can manage the water discharge in any swimming pool.

In addition, the floor drain improves water circulation and water quality. The floor drain ensures easy removal of the entire pool water and offers the possibility to reduce the pool water in winter to your chosen level.

The floor drain passed the hair entrapment test according to DIN EN 13451-3 (at 2.8m<sup>3</sup>/h volume flow) (only applies to models with protection against hair entrapment).



# FLOOR DRAINS

**Round with protection  
against hair entrapment**  
Floor drain



**CUBE Line with protection  
against hair entrapment**  
Floor drain



**Round standard**  
Floor drain



**CUBE Line standard**  
Floor drain





**Choose your light colour during pool installation**  
*(Mono / single-colour lighting)*

All EVA Optic underwater spotlights have the same RGBW LEDs as the spotlights with fixed colours. You only need to choose the light colour during installation, when the electronic system is connected. Do you want to be able to change the colour? Our RGBW Upgrade Kit helps you to easily transform your spotlight into a DMX-controlled multi-colour RGBW underwater spotlight.



**No loss of LED capacity with multi-colour underwater spotlights**  
*(RGBW lighting)*

EVA Optic developed the Intelligent Power Control (IPC) for RGBW lighting. IPC always uses the full LED capacity. A constant lighting output ideally illuminates your swimming pool, regardless of the light colour. Without IPC, some of the capacity of the RGBW lamp is lost. Depending on the chosen light colour, this loss can amount to up to 75%.



**Model tested for international safety standard for underwater lighting**

The underwater lighting models by EVA Optic demonstrably meet the international safety standard for underwater lighting, IEC EN 60598-2-18. Testing included electrical safety (SELV), waterproofness (IPX8/IP68), insulation class (III), impact resistance, mechanical strength, resistance to high pressure, thermal protection and fire safety.



**Ideal illumination with multi-angle light beam**  
*(uniform illumination)*

The multi-angle light beam results in an ideal combination of uniform illumination and strong light range. Brand new LED technology ensures a perfectly uniform colour mix in the pool with a minimum of rays of light.



**Fast return on investment**  
*(after approx. 1 or 2 years)*

Our clever design, the latest developments in LED technology and unique activation features make the EVA Optic underwater spotlights very efficient. Replacing traditional halogen lamps with LEDs of a comparable lighting output brings a return in approx. 1 or 2 years.

# UNDERWATER SPOTLIGHTS

## SO ILLUMINATING

**SET YOUR POOL IN THE RIGHT LIGHT. ENDLESS DESIGN OPTIONS.**

Light off, spot on: a swimming pool without the proper lighting is simply not complete. BEHNCKE delivers long-lasting premium quality, entirely made in Europe.

BEHNCKE offers traditional PAR56 lights as well as energy-efficient LED lights by EVA Optic with an extended 4-year manufacturer warranty.

The portfolio offers the right model for all pool sizes.



## HIGH QUALITY DESIGN

All models are supplied with a built-in stainless steel housing and installed together with the panel, protecting the pool from external influences and ensuring the light's longevity.

The light with its stainless steel panel impresses with high-quality design.

## EXTENDED WARRANTY

All LED models are delivered with a 4-year manufacturer warranty.

# LED – ENERGY-EFFICIENT

### EVA Q2 COMPACT



### EVA R6 FLEXIBLE



### EVA A6 LARGE



### EVA A12 POWERFUL



# TRADITIONAL

### PAR56 POPULAR



Driver	Mono RGBW (DMX)	Mono RGB (Powerline converter)	Mono RGBW (DMX)	Mono RGBW (DMX)	Mono RGBW (DMX)
IP protection class	IP68/IPX8	IP68/IPX8	IP68/IPX8	IP68/IPX8	IP68/IPX8
Areas of application	Private swimming pools Swimming pool steps	Private swimming pools	Private swimming pools Fountains	Private swimming pools Fountains Hotel Public pools	Private swimming pools
Max. energy consumption	10W	15W	20W	40W	40W
LED type	6 x RGWB LED	6 x RGB LED	6 x RGWB LED	12 x RGBW LED	12 x RGBW LED
Light output at 6500K	Comparable with a 100W halogen lamp	Comparable with a 150W halogen lamp	Comparable with a 200W halogen lamp	Comparable with a 400W halogen lamp	Comparable with a 400W halogen lamp
Colour variants	Mono: Determine light colour from cable connection  RGBW: 6500K (RGBW) or 2700K (RGBWW—warm white)	Mono: Configure light colour according to program RGB: with PLK 9 pre-programmable colours / scenes	Mono: Determine light colour from cable connection  RGBW: 6500K (RGBW) or 2700K (RGBWW—warm white)	Mono: Determine light colour from cable connection  RGBW: 6500K (RGBW) or 2700K (RGBWW—warm white)	Mono: Determine light colour from cable connection  RGBW: 6500K (RGBW) or 2700K (RGBWW—warm white)
Beam angle	Multi-angle beam	Wide beam	Multi-angle beam	Multi-angle beam	Multi-angle beam
Light source diameter excl. panel	Ø 54mm	Ø 118 mm	Ø 118 mm	Ø 118 mm	Ø 118 mm
Warranty	4 years	4 years	4 years	4 years	2 years



■ Water treatment ■ Integrated parts ■ Pool heating ■ Dehumidification ■ Pool cleaning ■ Pool + accessories ■ PVC fittings + pipes

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