



EVA Optic Reseller Brochure

EVA



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EVA Optic Reseller Brochure

The world of swimming pools is evolving. Pool owners no longer see their pool as a luxury for just a few warm days per year, but as a space that should offer value all year round. The swimming pool has become an investment in lifestyle, health and experience.

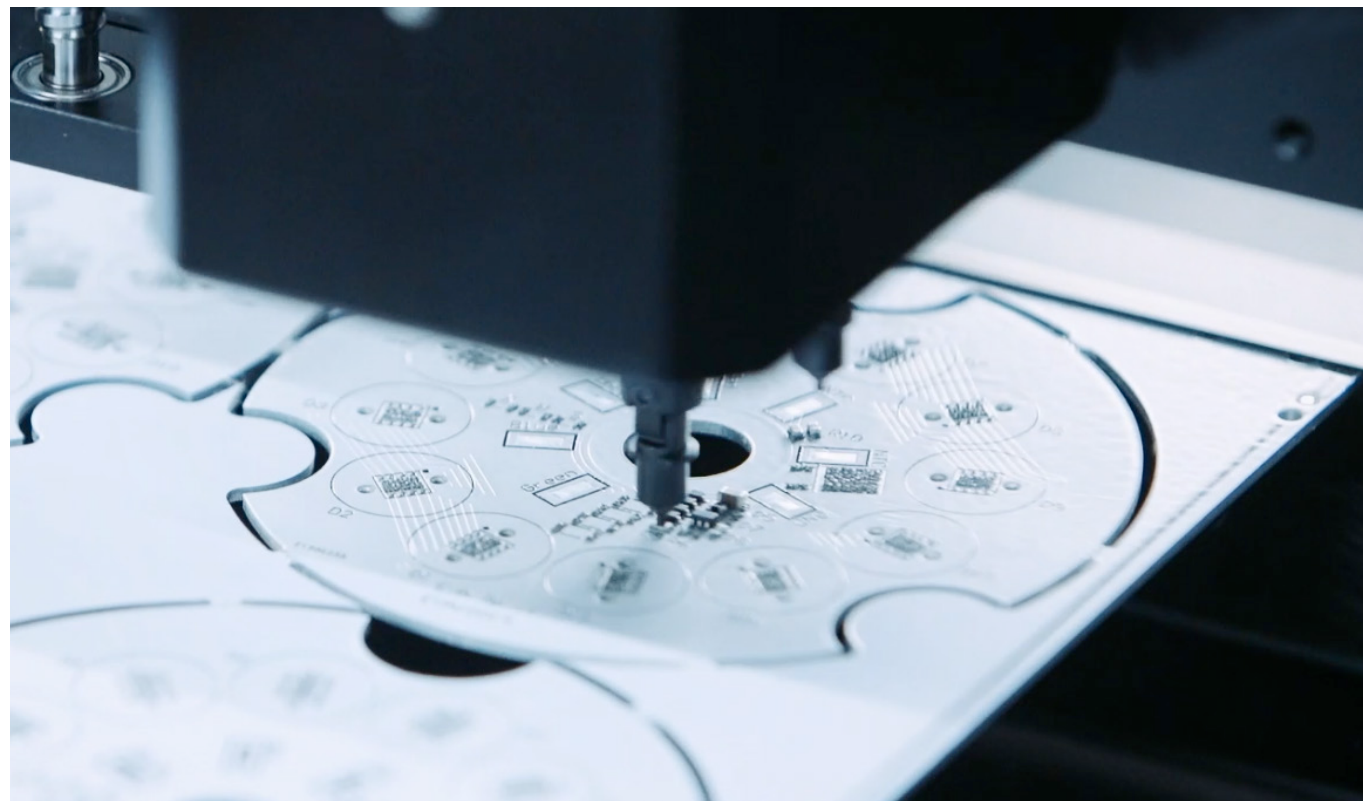
With EVA Optic's innovations, even the smallest pool can be transformed into a fully-fledged swimming environment. Our counter-current swimming machines make it possible to train intensively, swim laps in relaxation or carry out targeted rehabilitation. Combined with our high-quality LED underwater lighting, this creates a complete experience that unites sport, enjoyment and wellbeing, all in the privacy of one's own surroundings.

This brochure provides a practical overview of the EVA product range for private pools. A clear step-by-step guide leads you through every choice in the sales process, helping you create a tailor-made EVA swimming experience. The brochure offers support at every stage, from advice and product selection to handover and aftercare. This way, you have all the information you need to expertly advise end customers and deliver a unique experience that allows them to get the most out of their pool.

Innovation and quality as our foundation

For more than fifteen years, EVA Optic has been the European specialist in technical experience products for swimming pools. Our products are available in over thirty countries and have been installed in more than 16,000 private pools and 900 public facilities worldwide, including leading holiday resorts such as Center Parcs. Even in extreme environments, such as diving basins, sea aquariums and nuclear reactors, our products have proven their reliability for many years.

This reputation is the result of our unique way of working. All EVA products are developed and manufactured in-house in the Netherlands. This is exceptional within the industry and offers our partners significant advantages.



Reliable quality through a focus on product development

We have our own engineering department and high-tech production facilities, including an SMT pick & place line and X-ray inspection for production and quality control down to component level. This enables new products to reach an exceptionally high level of quality and reliability in a short time. Our energy-efficient systems and products perform flawlessly for many years in demanding pool environments. EVA products demonstrably comply with international safety standards.

Pioneer in counter-current technology

With several international patents in counter-current technology, we bring groundbreaking innovations to swimming pools. These developments create the most efficient, natural and quiet swimming experience for end users.

Developed for easy and error-free installation

Our products are designed for fast and faultless installation, featuring plug-and-play connections, colour coding and seamless integration between products. Clear manuals, visualisation videos and our knowledgeable, dedicated sales and support teams provide full assistance. Consistent dimensions across products and accessories ensure years of effortless servicing, even for discontinued models.

Award-winning design

At EVA Optic, we go beyond functionality and durability. Our products are designed to fit perfectly within luxury pool environments. The compact product design, combined with the distinctive EVA Signature Edition design covers, enhances the premium character of every high-end pool project. In 2025, the EVAstream Move was honoured with the Red Dot Design Award, a recognition of outstanding design and innovation.



Our product portfolio

For end users, a swimming pool is an investment in their health, family and wellbeing. EVA products are designed to get the most out of that experience, allowing users to swim more often and more intensively with the EVAstream, create an inviting atmosphere with EVAsubaqua underwater lighting, and enjoy effortless control via mobile devices or control panels in and around the pool.

Our portfolio consists of high-quality product lines that have each proven their value individually. What makes EVA unique, however, is that all our products are designed for seamless integration. This allows you to build the swimming experience modularly into a complete environment, perfectly tailored to every customer and every project.

EVAstream

Built-in swimming machines. Thanks to patented innovations, EVAstream offers the most natural and quiet swimming experience, ideal for both athletic training and pure relaxation.

EVAstream Move

Mobile counter-current swimming machine. The world's first powerful, fully wireless, battery-powered swim machine.

EVAsubaqua

Led underwater lighting. For over a decade, the best-performing underwater lighting on the international pool market.

EVAline

Led linear lighting. Specifically developed for demanding professional pool environments, impact-resistant, chlorine-resistant and glare-free, with sufficient light output to illuminate competition pools evenly up to Olympic standards.

Product selection step-by-step guide

This step-by-step guide helps you lead every customer smoothly through the choices that result in the ultimate swimming experience at home.

Note: If your customer already has a swimming pool, take a look at the EVAstream Move, the wireless and portable battery-powered swimming machine (page 42).

1 a. EVAstream swimming machine power and type Page 16

Determine which EVAstream model suits the end user best, from recreational to professional, with one or two turbines.



EVAstream 175	Recreational swimmer	1 turbine
EVAstream 225	Recreational swimmer	1 turbine
EVAstream 275	Experienced swimmer	1 turbine
EVAstream 350	Professional swimmer	1 turbine
EVAstream 450	Experienced swimmer	2 turbines
EVAstream 550	Professional swimmer	2 turbines

b. ECA unit functionalities Page 24

Which functionalities does the customer prefer? From basic operation to extensive training programs.



ECA Eco	Basic control, for EVAstream 175 only
ECA 1 Essential	Basic control
ECA 2 Trainer	Basic control + 3 swim workouts
ECA 3 ProTrainer	Basic control + 20 swim workouts + custom programs

2 Expansion with underwater lighting Page 26

Enhance the swimming experience with underwater lighting. Seamlessly synchronise with the EVAstream for a colour-guided training experience.



EVAsubaqua A25	25W rgbw or mono Residential pools and smaller pools
EVAsubaqua A50	50W rgbw or mono Larger residential pools, competition pools and leisure pools
EVAsubaqua S10	10W rgbw or mono Additional lighting for steps and shallow areas

3 Control options Page 38

From in the water or from the poolside: operation can be managed via the standard EVA Web app, our control panel or remote control.



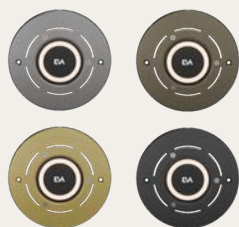
EVA Web app	Standard EVA Web app
EVA ArchiTech Elite	Water-resistant wireless control panel
EVA Remote	Water-resistant basic remote control

4

EVA Finishes and design Page 40

Choose the design covers that match the customer's style and preferences.

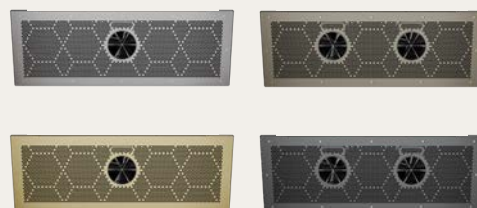
EVAsubaqua Signature covers



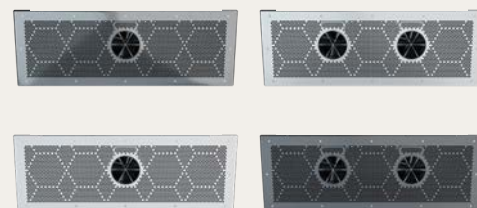
EVAsubaqua Core covers



EVAstream Signature covers



EVAstream Core covers



EVA Signature edition Inox satin, gold, bronze, black

EVA Core edition Inox gloss, white, grey, arthrachite



1

Product overview

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EVAstream

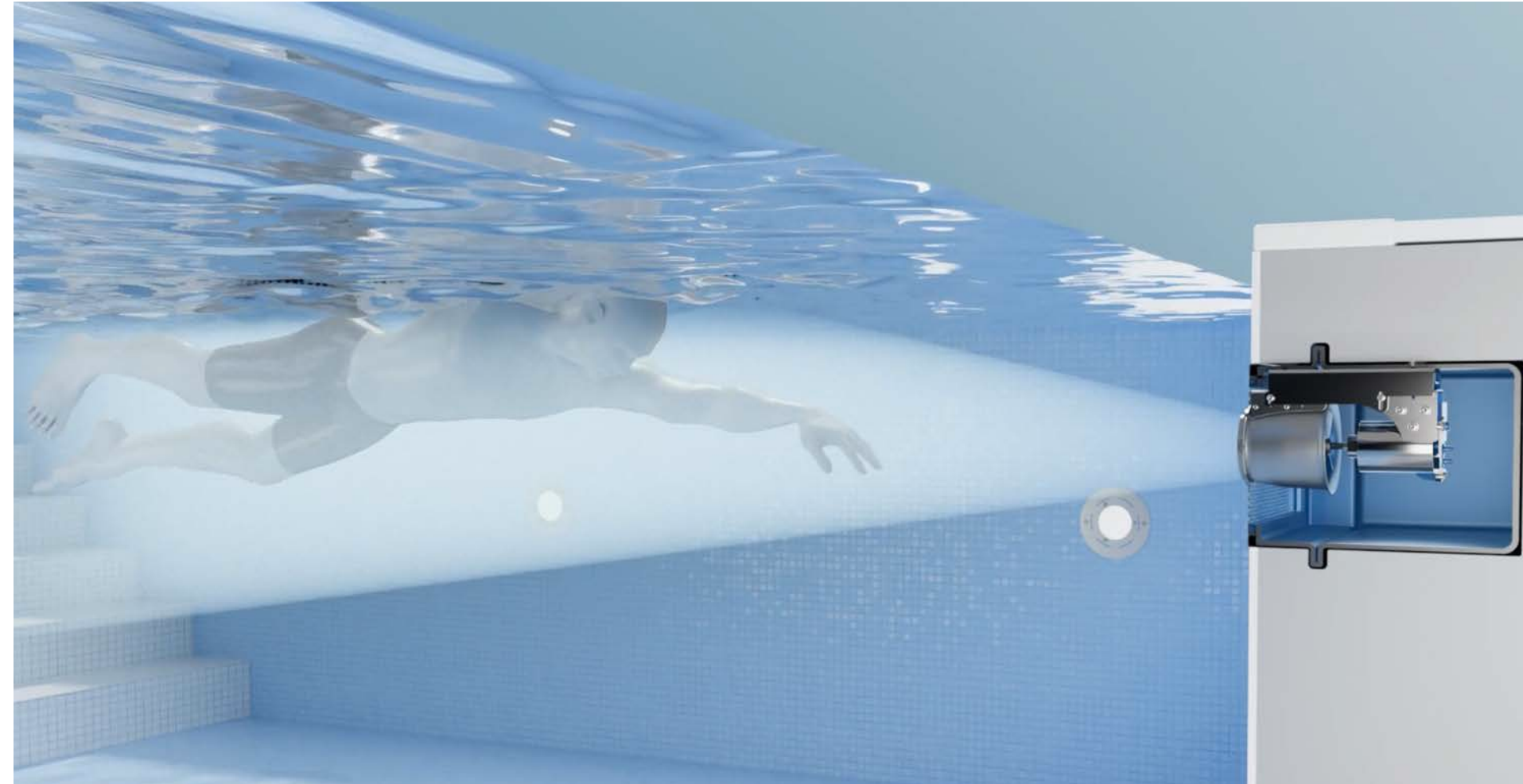
Patented counter-current technology

The EVAstream transforms any pool into a powerful and versatile swimming environment. This makes it possible to enjoy swim workouts, relaxation and unrestricted swimming all year round, in the familiar comfort of one's own pool.

Innovation explained

The innovative strength of the EVAstream is protected by several international patents. Instead of a straight outlet opening, the EVAstream uses a **turbine with a narrowed outlet**. This creates a water flow that is up to 30% stronger and extends further into the pool. The result is not only higher water velocity but also a wider and more even current that completely surrounds the swimmer. The extra spacious swim zone this produces allows for unrestricted swimming, with plenty of room to accelerate or slow down during the swim workout.

In addition, the EVAstream is equipped with a **hermetically sealed motor housing** and a high-quality ball bearing system. Because the motor is not in contact with pool water, unlike conventional systems, friction and wear are reduced to a minimum. The result is a very quiet, vibration-free swim machine that requires minimal maintenance and lasts significantly longer than traditional systems.



Benefits at a glance

Innovative features of the EVAstream

Error-free plug-and-play installation

Simple, fast and faultless installation thanks to dedicated mounting accessories and plug-and-play connections with integrated plugs.

No high-voltage power supply required

Can be connected to a standard electrical outlet.

Best-performing swim machine on the market

The patented turbine with narrowed outlet is up to 30% more efficient and produces a stronger, further-reaching water flow, creating an extra spacious swim zone.

Complies with international safety standards

Meets all requirements for electrical safety and entrapment and hair safety for both residential pools (DIN EN16582-1/2/3, EN16713-2) and public pools (EN13451-1/3).

Optimal personalisation through modular system

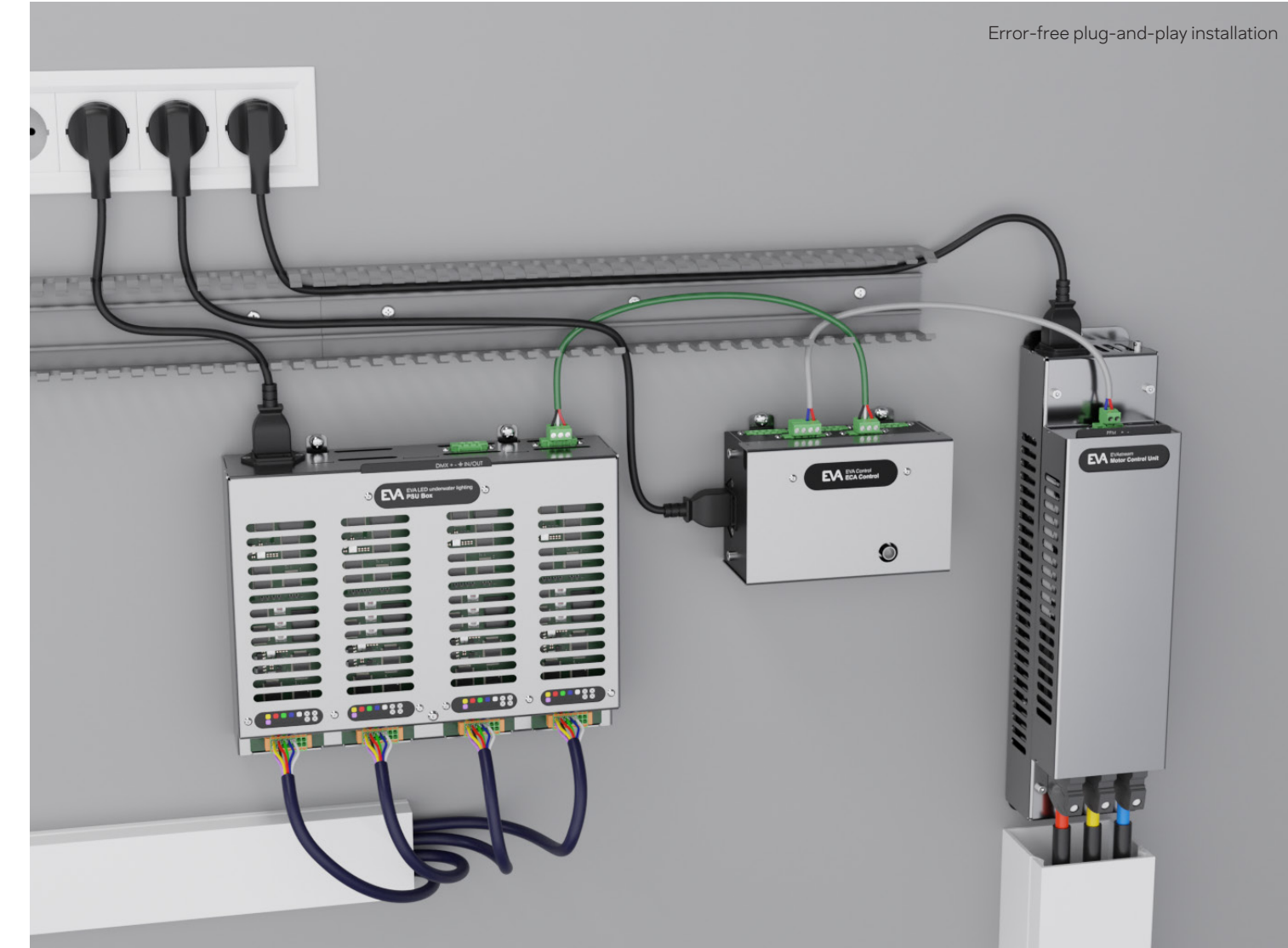
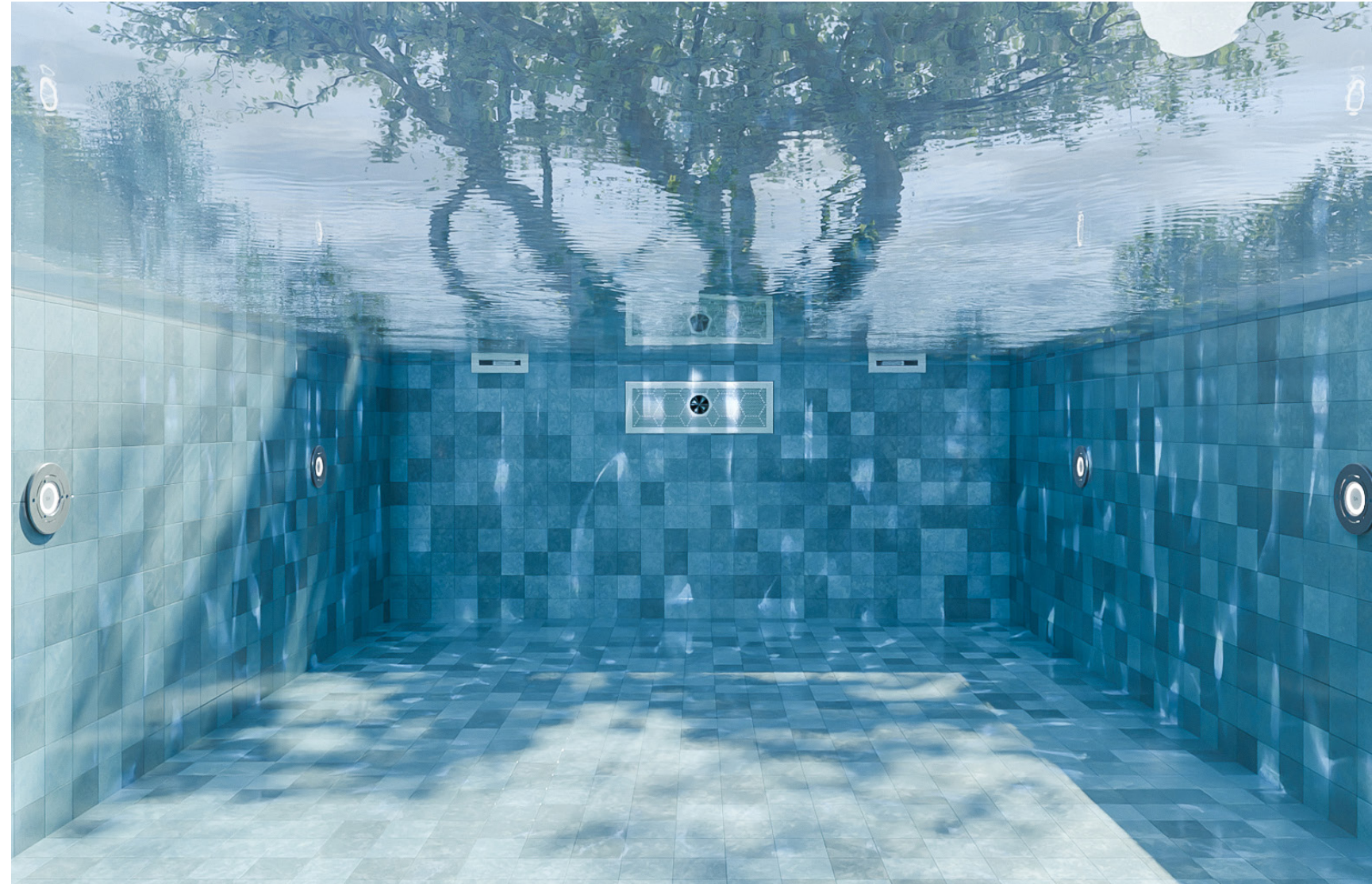
Additional functionalities, linked lighting, control accessories and premium design finishes available.

Suitable for nearly every pool type

High-quality accessories available for foil, concrete, liner and polyester pools.

ECA unit separate from the Motor Control Unit

Ensures better coverage for WiFi and remote signals.



Error-free plug-and-play installation

User benefits

Innovative features of the EVAstream

Most natural swimming experience

The lifting effect of the water flow automatically positions the swimmer in a stable, horizontal swimming position.

Extra spacious swim zone

Swimming with the EVAstream feels like swimming in a 25-meter pool. The extra large swim zone allows swimmers to freely accelerate and slow down without touching the pool wall.

Quietest counter-current swim machine

Swim machines are powerful and typically produce noticeable sound. Thanks to its innovative motor design, the EVAstream operates whisper-quietly, allowing for peaceful swim sessions.

EVA Web app standard

The EVAstream comes standard with the EVA Web app for easy operation via any smartphone or tablet, regardless of operating system.

Long lifespan

The patented, hermetically sealed motor design ensures minimal friction and wear, resulting in an exceptionally long service life.

Premium design

Ultra-compact machine with flush wall mounting. New premium design finishes available (Signature Editions in satin bronze, gold, black or inox) for a seamless match with the pool's design.

Seamless synchronisation with EVAsubaqua lighting

Easily connect EVAsubaqua rgbw underwater lights to the EVAstream for an intuitive swimming experience. The light colour changes dynamically during preprogrammed workouts, providing orientation and focus throughout each swim session.

Highly competitive pricing

Entry model available from EUR 6.890,- excl. VAT.



EVAstream models

The built-in EVAstream consists of an EVAstream Next (turbine and motor control unit), which determines the counter-current power, and an ECA unit, which defines the available functionalities.

EVAstream Next (page 18)

Determines the power of the machine

ECA unit (page 20)

Determines the available functionalities, from basic to advanced

In this step, you select the EVAstream Next model that best matches the desired power level and swimmer type. Both the single and dual turbine versions generate a powerful water flow that envelops the swimmer’s entire body and provides a spacious swim zone. A dual turbine adds an even wider flow and greater power, creating a swim experience that comes even closer to swimming in a standard 25-meter pool.

Recreational swimmers – EVAstream 175 & 225

For relaxation, health and smooth recreational swimming. Compact single-turbine models with an even water flow, ideal for families and leisure use.

Experienced swimmers – EVAstream 275 & 450

For sporty swimmers who want to improve their fitness and endurance. The 275 offers compact power with one turbine, while the 450 provides extra comfort and a wider swim zone with two turbines, ideal for endurance workouts.

Professional swimmers – EVAstream 350 & 550

For demanding swimmers and top athletes. The 350 delivers the most powerful single-turbine flow, while the 550 combines dual-turbine power, expansive swim space and a realistic competition-like experience.

EVAstream Next 1 turbine



EVAstream Next 2 turbines



TEST SWIM

The best way to choose

The power and experience of an EVAstream are best appreciated in real-world use. A test swim helps customers discover which model best suits their preferences and swimming style.

Resellers with their own showroom can easily organise this themselves, with support from EVA Optic for setting up a display pool featuring an integrated EVAstream and EVAsubaqua underwater lighting. If you do not have a showroom, you and your customer are very welcome to visit EVA Optic. In our test facility, all models and flow strengths can be tried out, ensuring that the end customer always makes the right choice.

For on-site demonstrations, the EVAstream Move can also be used. EVA Optic provides several demo units for this purpose. Please contact our sales department to discuss the available options.

	User	Max. speed	Water flow	Max. water speed	Number of turbines
EVAstream 175	Recreational	2:15 sec per 100m	35 – 175 m³/h	4,3 m/s	1
EVAstream 225	Recreational	1:40 sec per 100m	45 – 225 m³/h	5,5 m/s	1
EVAstream 275	Experienced	1:25 sec per 100m	55 – 275 m³/h	6,7 m/s	1
EVAstream 350	Professional	1:10 sec per 100m	70 – 350 m³/h	8,6 m/s	1
EVAstream 450	Experienced	1:15 sec per 100m	90 – 450 m³/h	2x 5,5 m/s	2
EVAstream 550	Professional	1:05 sec per 100m	110 – 550 m³/h	2x 6,7 m/s	2

See the back of this brochure for a complete overview of all technical product specifications.

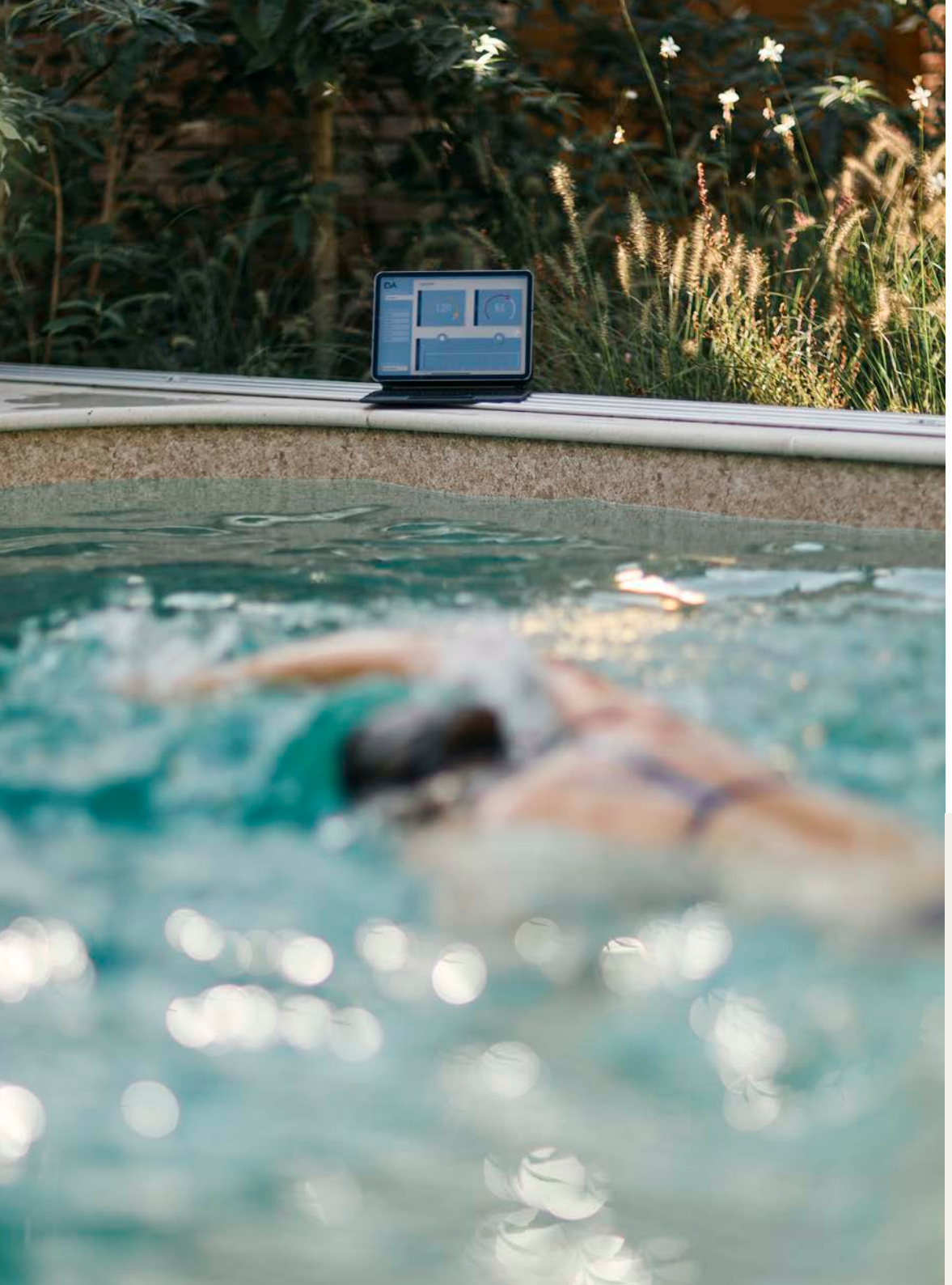


ECA unit

The ECA unit determines which functions are available for the EVAstream and, if desired, the connected EVAsubaqua underwater lighting. Depending on the customer’s preferences, there are four options.

ECA Eco	ECA 1 Essential	ECA 2 Trainer	ECA 3 ProTrainer
The ECA Eco has been specially developed for our entry-level model, the EVAstream 175, and only operates in combination with this model.	With the ECA 1 Essential, it is possible to control the EVAstream and the EVAsubaqua lighting.	The ECA 2 Trainer offers three pre-set swim workouts with automatic synchronisation to EVAsubaqua lighting.	The ECA 3 ProTrainer includes three complete trainings programs containing more than 20 pre-programmed swim workouts with automatic synchronisation to the EVAsubaqua. Custom workouts can also be programmed.
Suitable for EVAstream models EVAstream 175	Suitable for EVAstream models EVAstream 225 and above	Suitable for EVAstream models EVAstream 225 and above	Suitable for EVAstream models EVAstream 225 and above
Functions EVAstream On/off, speed and timer	Functions EVAstream On/off, speed and timer	Functions EVAstream On/off, speed and timer 3 pre-set swim workouts	Functions EVAstream On/off, speed and timer 20 pre-set swim workouts 3 complete trainings programs Create custom workouts
Funtions EVAsubaqua None	Funtions EVAsubaqua On/off, colour selection	Funtions EVAsubaqua On/off, colour selection Automatic synchronisation with the EVAstream trainings program.	Funtions EVAsubaqua On/off, colour selection Automatic synchronisation with the EVAstream trainings program.

Note: The ECA Control Eco and EVAstream 175 are a fixed combination set. Other combinations are not possible.



TRAIN SMARTER WITH THE EVASTREAM

With the ECA 2 and ECA 3, you can follow or design tailored swim workouts

With the ECA 2 Trainer, you can follow structured swim workouts designed to improve endurance, strength, and technique.

The ECA 3 ProTrainer takes training to the next level: it not only includes over 20 pre-programmed workouts but also allows you to create your own. Choose between a 10-session progression program, 5 explosive sprint workouts, or 5 endurance sessions focused on strength and technique.

ECA unit



EVAsubaqua

The European market leader in underwater lighting

For more than a decade, EVAsubaqua has set the standard for led underwater lighting in Europe. Developed by our in-house engineers and proven in the most demanding conditions, from residential pools and public swimming facilities to subtropical water parks, sea aquariums, diving tanks and even nuclear reactors. The result is durable, safe and low-maintenance lighting that delivers top performance year after year, transforming any pool into a high-quality experience environment.

With EVAsubaqua, every pool gains a powerful and atmospheric lighting experience. The light is bright, uniform and energy-efficient, giving the pool a luxurious appearance while enhancing comfort and safety during swimming. The innovative multi-angle light beam provides uniform illumination without glare, offering optimal visibility and a calm light effect both in and surrounding the pool. The lights are dimmable via 0–10 Vdc or DMX512 and can be easily operated using the EVA Web app or the waterproof ArchiTech Elite control panel.

For those who want to combine sport and experience, the rgbw lighting can automatically synchronise with the EVAstream trainings programs. The colours change dynamically during each workout, providing motivating visual guidance while swimming.

Innovation explained

The models are DEKRA-certified according to the international standard IEC-EN60598-2-18, meeting the strictest requirements for watertightness, impact resistance and electrical safety. They are pressure-resistant up to 15 bar, ensuring flawless performance even in the most demanding environments.

EVAsubaqua is designed for maximum reliability and installation convenience. The electronics are separated from the underwater lamp and installed in a dry technical area for easy assembly and maintenance. Unique EVA technologies such as Automatic Temperature Safety (ATS), Constant Light Output (CLO) and Intelligent Power Control (IPC) maximise the lamp's lifespan, ensure stable light output and enhance energy efficiency.



Benefits at a glance

Innovative features of the EVAsubaqua

European market leader in underwater lighting

For more than 15 years, the benchmark in led underwater lighting, used in over 16,000 residential projects and 900 public projects worldwide.

Designed for fast and error-free installation

Each underwater lamp has its own power supply and driver. The electronics are separated from the underwater module and installed in a dry technical area, ensuring longer lifespan and easier maintenance.

DEKRA certified according to IEC-EN60598-2-18

Meets the strictest requirements for electrical safety, watertightness and impact resistance, in accordance with the leading international standard for underwater lighting.

Highest quality through in-house production of lamps and led circuit boards

All underwater lamps are produced entirely in our own production facilities, including the led circuit boards, using our high-tech SMT pick & place line and X-ray quality control down to component level.

Pressure resistant up to 15 bar

Airtight design with stainless steel compression fittings, pressure resistant up to 15 bar, suitable for demanding (industrial) applications.

In-house developed EVA technologies

EVAsubaqua was developed by our own team of engineers for long-lasting performance. They have designed several proprietary technologies, such as ATS (Automatic Temperature Safety), CLO (Constant Light Output) and IPC (Intelligent Power Control), ensuring maximum safety, stable light output and optimal energy efficiency.

Optimised service through driver feedback & protocol functionality

Enhanced serviceability thanks to fast diagnostics and fault analysis via driver feedback, as well as smart control in advanced installations.

Consistent dimensions since launch

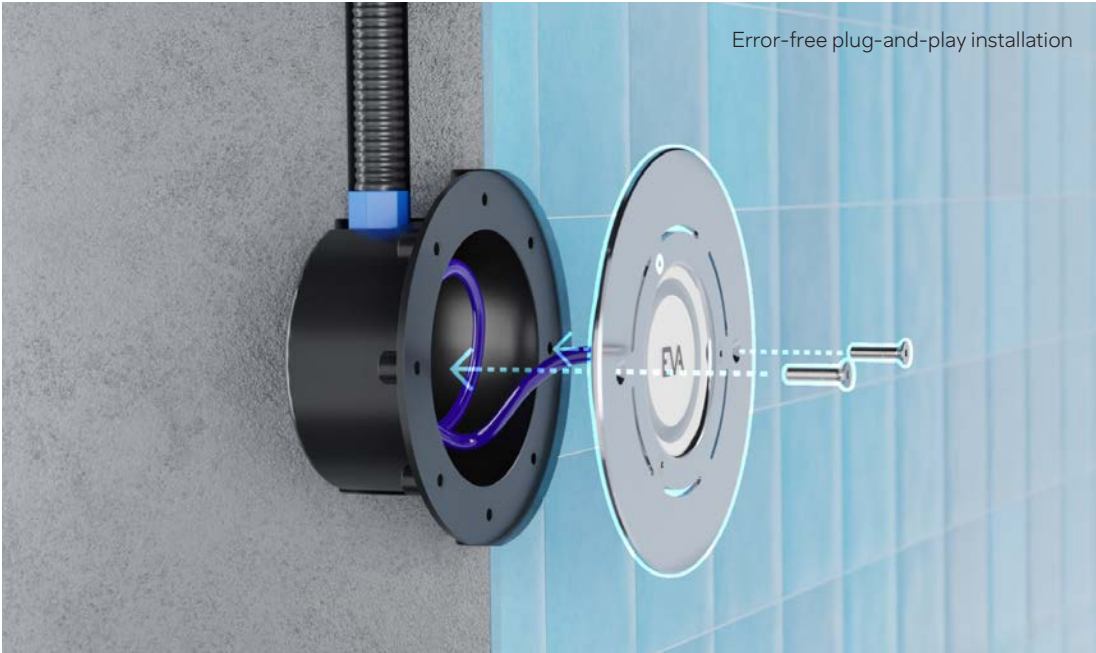
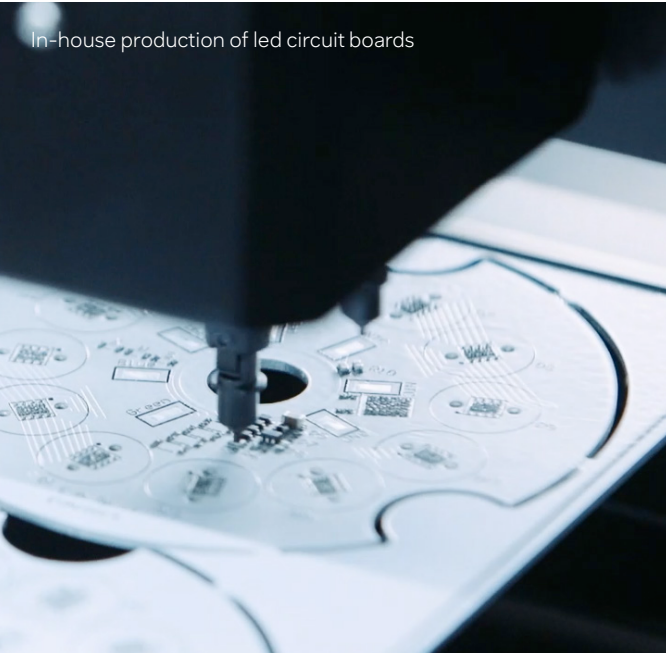
Both lamps and mounting accessories of the A-series have maintained identical dimensions since their introduction. This guarantees continuity and long-term serviceability, even with upgrades or new models.

Long-term serviceability of models and accessories

Stable product range with long-term availability of parts and easy service, even for discontinued models.

Customisation with your own logo available

Personalise your underwater lights with your own logo for a unique, professional touch.





EVASUBAQUA

User benefits

Water-cooled design

The EVAsubaqua lamp is cooled from the rear. Heat is transferred directly to the surrounding water, ensuring optimal cooling performance and extending the lamp's lifespan.

Long-term watertightness proven in harsh environments

Extensively used in public pools, water parks, sea aquariums, diving tanks, superyachts and even nuclear reactors.

High-quality light output

Powerful, uniform illumination reaching all the way to the pool floor. Available in various wattages, bright white, warm white and multicolour rgbw.

Universal control via DMX512

Dimmable via 0–10 Vdc or DMX512. Operable via IP67 remote control or the EVA Web app, optionally combined with the waterproof and wireless EVA ArchiTech Elite control panel.

Premium design finish

Choice of luxury Signature Edition finishes (bronze, gold, black, inox) or standard finishes.

Four-year factory warranty

Standard, as proof of quality and durability.

EVAsubaqua models

EVAsubaqua is suitable for both new-build and renovation projects. Thanks to the wide range of accessories and mounting solutions, any project can easily be equipped with these durable and reliable underwater lamps.

See the back of this brochure for a complete overview of all technical product specifications.



Exploded view EVAsubaqua A-serie



EVAsubaqua A25 white
Cool white



EVAsubaqua A25 white
Warm white



EVAsubaqua A50 white
Cool white



EVAsubaqua A50 white
Warm white



EVAsubaqua A25 black
Cool white



EVAsubaqua A25 black
Warm white



EVAsubaqua A50 black
Cool white



EVAsubaqua A50 black
Warm white

EVAsubaqua A25

25W rgbw led underwater lamp, ideal for residential pools and smaller pools

Satin-finish diffuser for uniform light distribution

Available in rgbw with bright white or warm white leds, also available as 25W single-colour bright white or warm white version.

Light module available in white or black (faceplate)

Cover plates available in Core Edition (stainless steel inox gloss, ABS white, silver grey and anthracite) and Signature Edition (stainless steel gold, bronze, black and inox satin)

EVAsubaqua A50

50W rgbw led underwater lamp, for larger residential pools, competition pools and leisure pools. High light output to cover greater distances

Microprism diffuser for far-reaching, wide light distribution with uniform illumination down to the pool floor

Available in rgbw with bright white or warm white leds, also available as 40W single-colour bright white or warm white version

Light module available in white or black (faceplate)

Cover plates available in Core Edition (stainless steel inox gloss, ABS white, silver grey and anthracite) and Signature Edition (stainless steel gold, bronze, black and inox satin)

EVASUBAQUA



EVAsubaqua S10 white
Cool white



EVAsubaqua S10 white
Warm white



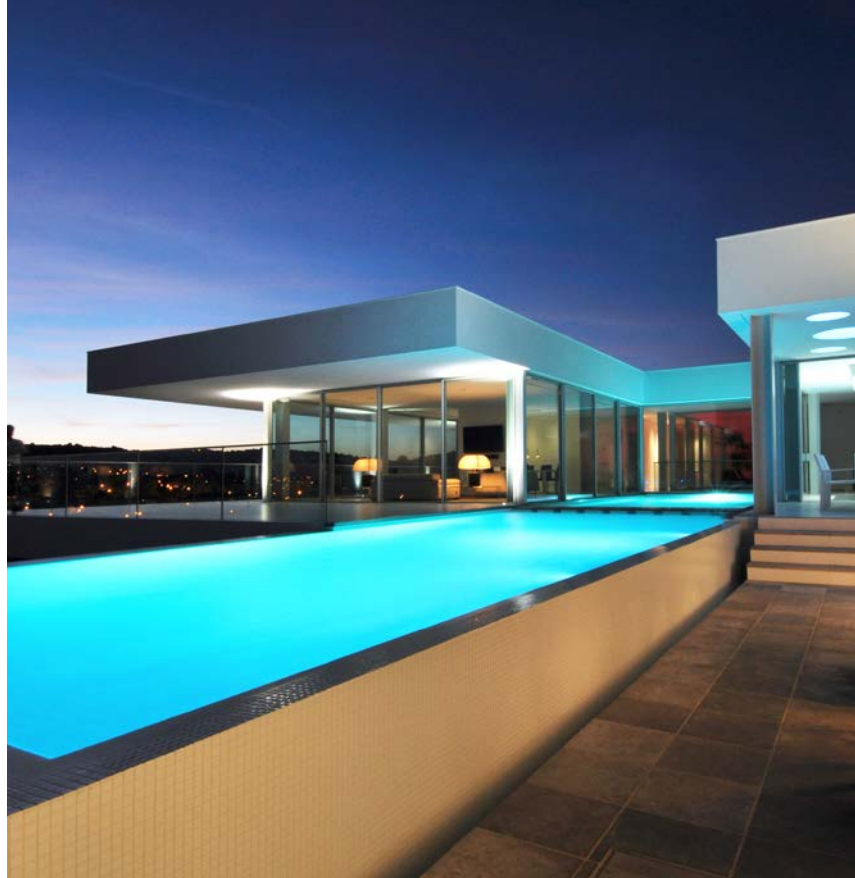
EVAsubaqua S10 black
Cool white



EVAsubaqua S10 black
Warm white

EVAsubaqua S-series
Compact 10W version of the A-series for steps, shallow zones and smaller pools
Diffused, uniform light distribution for subtle and atmospheric accents
Available in rgbw (bright white or warm white), or mono bright white or warm white
Light module available in white or black (faceplate)

Cover plates available in Core Edition (stainless steel inox gloss, ABS white, silver grey and anthracite) and Signature Edition (stainless steel gold, bronze, black and inox satin)



EVAsubaqua B-series	EVAsubaqua C-series
10W led underwater lamp for prefab pools and whirlpools	25W led underwater lamp, also a replacement lamp for existing niches
Also suitable for use outside the water, in pool zones 0, 1 and 2 (not water-cooled)	Fits into existing installations without any structural modifications
Not suitable for concrete pools due to rear with air cooling	Available in rgbw (bright white or warm white), or mono bright white or warm white
Available in rgbw (bright white or warm white), or mono bright white or warm white	Suitable for both residential and public pools
Energy-efficient and low-maintenance	Light module available in white. Cover plate available in inox gloss finish



EVAsubaqua B10
Cool or warm white



EVAsubaqua C25 white
Cool white



EVAsubaqua C25 white
Cool white

RENOVATION

Replacement with EVAsubaqua underwater lighting

Renewing the lighting is often the first step in modernising a swimming pool. With EVAsubaqua underwater lamps, you choose the European standard in durability, reliability and light quality. Thanks to the wide range of models and mounting accessories with standard dimensions, the lamps fit easily into almost any existing niche or installation, regardless of the pool type or the brand of the previous lighting system.

Light-guided swim workouts

Exclusively developed by EVA

By connecting the EVAstream to EVASubaqua rgbw lighting, a unique light-guided swim workout is created. During preprogrammed sessions, the light colour changes completely in sync with the exercise. The underwater lighting provides intuitive guidance, makes progress within the workout continuously visible and motivates the swimmer to get the most out of every swim session. This innovative workout method is exclusively available from EVA.

How do light-guided workouts work?

Each workout follows a fixed structure: warm-up, one or more main sets with repeated exercises (endurance, sprint or interval), and cool-down. Rest periods are built in; during these moments, the lighting turns white. Just before a new set begins, the lights flash to signal the start of a new exercise and indicate how many repetitions remain in the set.

Within each exercise, three successive colours provide orientation: red at the start, green in the middle and blue in the final segment of each exercise. This way, the swimmer always knows their progress within the exercise and how far along he is in a swim workout. The combination of flow and light creates structure, motivation and an intuitive swimming experience in every workout.



EVA Control options

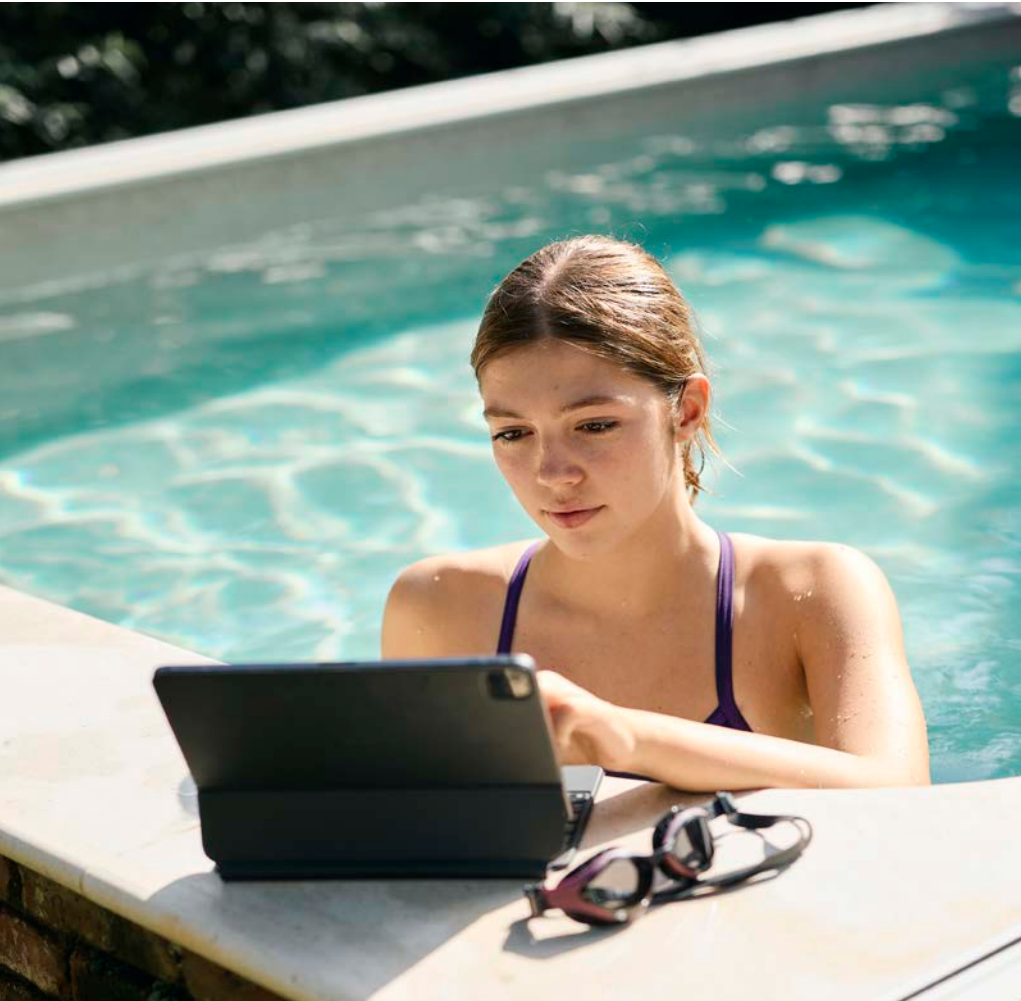
Whether it concerns EVAsubaqua, an EVAstream or a complete system, operation is always simple, intuitive and fully tailored to the user’s preferences with the EVA Web app and the optional EVA ArchiTech Elite control panel.

EVA Web app

The EVA Web app provides intuitive and reliable control for all EVA systems. It is standard for the EVAstream, the EVAsubaqua (in combination with EVAstream*) and the EVAstream Move. Developed entirely in-house, the app is perfectly matched to EVA technology, ensuring a smooth and dependable user experience.

Because it is a web-based platform, the EVA Web app works on any device (smartphone, tablet or computer) and is independent of the operating system. This means no installation, no update issues and no compatibility concerns.

*Installations featuring only EVAsubaqua (without EVAstream) can also be operated via the EVA Web app, though a separate ECA unit is required.



EVA ArchiTech Elite control panel

Customers who wish to control their system directly from the pool can add the EVA ArchiTech Elite control panel. This robust control device features a 2.8” e-ink display that remains perfectly readable even in bright sunlight. Unique to this new control panel is its waterproof (IP68) and fully wireless design, allowing users to operate it as a handheld device in the water. The durable, ergonomic design provides a comfortable grip and displays all essential functions, such as flow speed, session duration, workout progress and light scenes. After use, the panel can easily be placed back on its wall-mounted charging station with inductive charging, offering maximum flexibility.

Seamless integration

The EVA Web App and EVA ArchiTech Elite work together seamlessly. A workout or light scene (available with ECA 3) can be programmed or started in the Web App, after which the user can start or adjust it via the EVA ArchiTech Elite, even from within the water. The result is maximum flexibility and user comfort.

The EVA ArchiTech Elite is not compatible with earlier EVA products manufactured in 2025 or earlier. If a customer wishes to expand an existing EVAstream and/or EVAsubaqua installation (2025 or older) with the ArchiTech Elite, this is possible using a 2026 ECA unit. Please contact EVA Sales for further information and advice (sales@evaoptics.com).

EVA ArchiTech Elite



EVA Remote Basic

EVA products can also be operated using the EVA Remote Basic, a water-resistant IP67 remote control designed for simple, basic operation. This remote is compatible with all EVA products as standard.

EVA Finish & design

In the high-end segment of the pool market, design is just as important as functionality. A swimming pool often forms the central element of a garden or outdoor space, and customers pay great attention to materials and visual appeal. That is why EVA develops all visible components with a strong focus on aesthetics: compact in form, made from premium materials and always harmoniously aligned with the pool’s design.

EVA Core Edition

The standard Core Edition finishes offer a modern and timeless look with inox gloss (stainless steel) and impact-resistant ABS in white, anthracite and silver grey. These finishes allow both the EVAstream built-in unit and the EVASubaqua lighting to be completed with a stylish and durable appearance.

EVA Signature Edition

For customers who want to give their pool a distinctly luxurious and personal appearance, the Signature Edition covers are the ideal choice. This line features stainless steel covers with high-quality, pool-resistant treatments in premium satin gold, bronze, black and inox. The Signature Edition covers align with the latest interior and garden design trends, turning technical products into aesthetic statements. The result is a cohesive environment where technology and design complement each other perfectly.

EVASUBAQUA

Signature and core covers



Core cover inox gloss
Light module white



Signature cover inox satin
Light module black



Core cover white
Light module white



Signature cover gold
Light module black



Core cover grey
Light module white



Signature cover bronze
Light module black



Core cover anthracite
Light module white



Signature cover black
Light module black

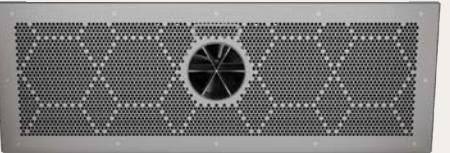


EVASUBAQUA

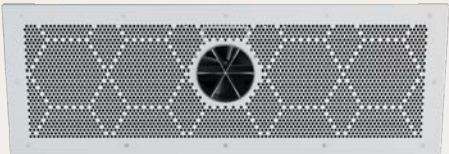
Signature and core covers



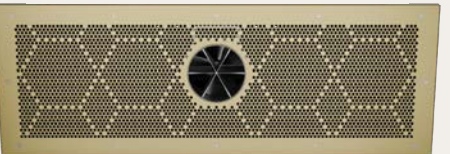
Core cover inox gloss
Single turbine



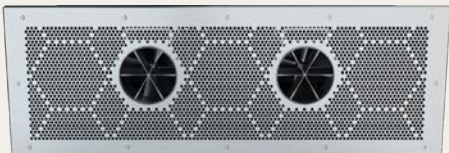
Signature cover inox satin
Single turbine



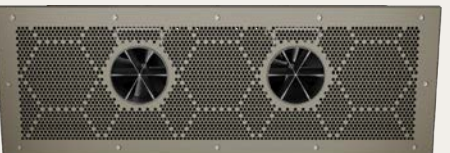
Core cover white
Single turbine



Signature cover gold
Single turbine



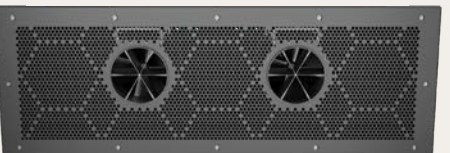
Core cover grey
Double turbine



Signature cover bronze
Double turbine



Core cover anthracite
Double turbine



Signature cover black
Double turbine

EVAstream Move

The world's first wireless swim machine

The EVAstream Move is the world's first powerful, fully wireless, battery-powered counter-current swim machine. Without cables or structural modifications, it transforms any existing pool into a complete swimming facility in just a few minutes. Pool owners who previously had no access to counter-current technology can now rediscover their pool and get the most out of it. In 2025, the EVAstream Move was honoured with the Red Dot Design Award.

Innovation explained

The EVAstream Move brings the power of our patented turbine technology to existing pools. This compact, wireless, battery-powered swim machine can be moved by one person and instantly transforms any existing pool into a fully functional swimming environment.

The turbine design with a narrowed outlet delivers a water flow up to 30% stronger and longer-reaching than conventional systems, creating a broad and even current. This results in an extra spacious swim zone where users can swim freely, with plenty of room to naturally accelerate or slow down.

The EVAstream Move is powered by a high-capacity rechargeable battery that works in perfect harmony with its energy-efficient motor. This provides at least one hour of non-stop swimming at 100% power and, in practice, many hours of swim enjoyment on a single charge. Charging is simple via a standard power outlet and takes only four hours. Thanks to its hermetically sealed motor housing and high-quality ball bearing system, the Move operates whisper-quietly, vibration-free and with minimal maintenance, offering a lifespan far beyond that of traditional systems.



Benefits at a glance

Innovative features of the EVAstream Move

The only powerful battery-powered swim machine in the world

The combination of an energy-efficient design, compact form and high-performance rechargeable battery makes the EVAstream Move the only swim machine in the world with enough power for true, full-intensity swimming and workouts.

No installation work, completely wireless

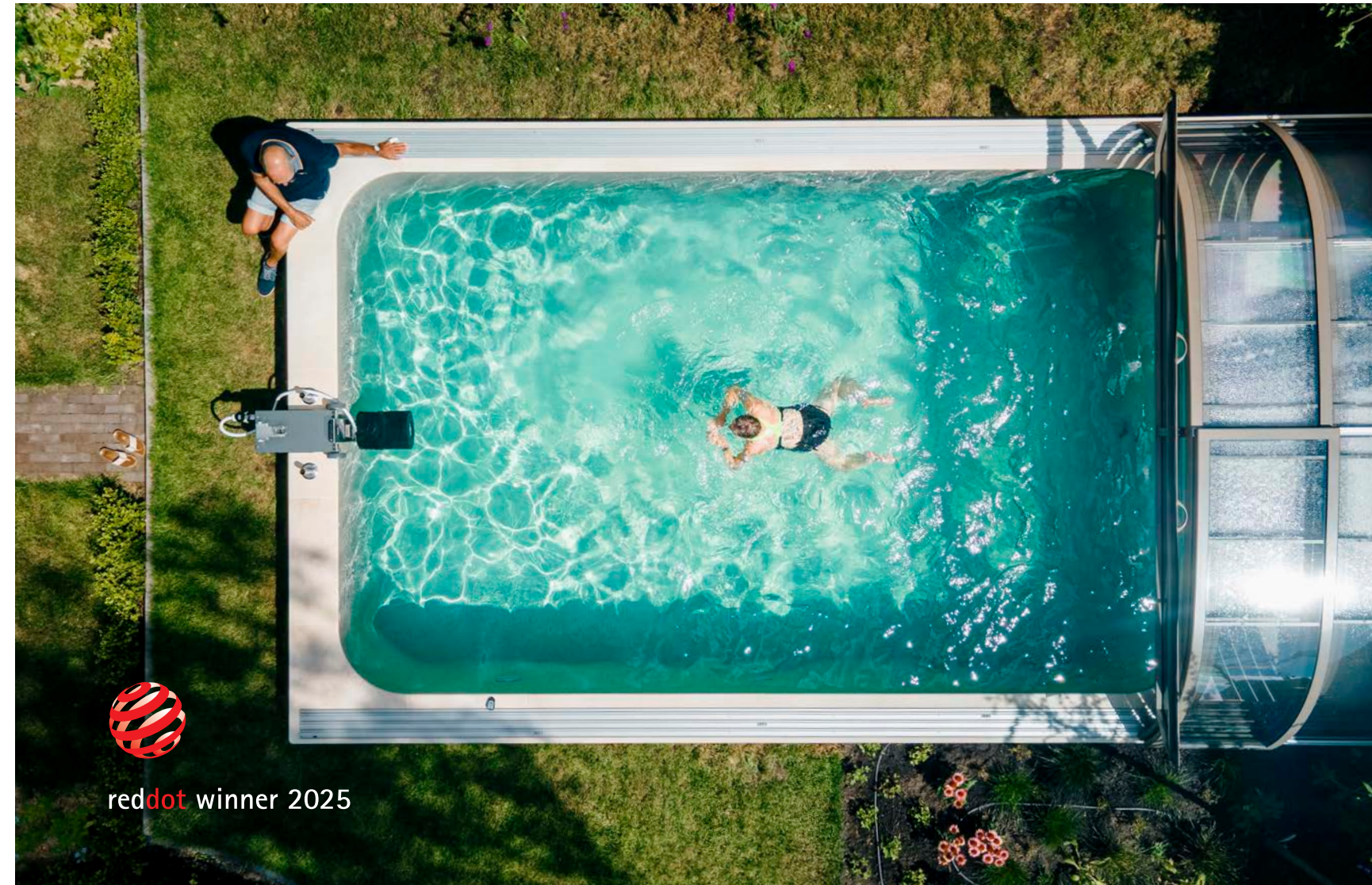
The EVAstream Move is fully wireless and operates on a powerful battery. No construction work required, and no power cables in or around the pool.

Flexible use

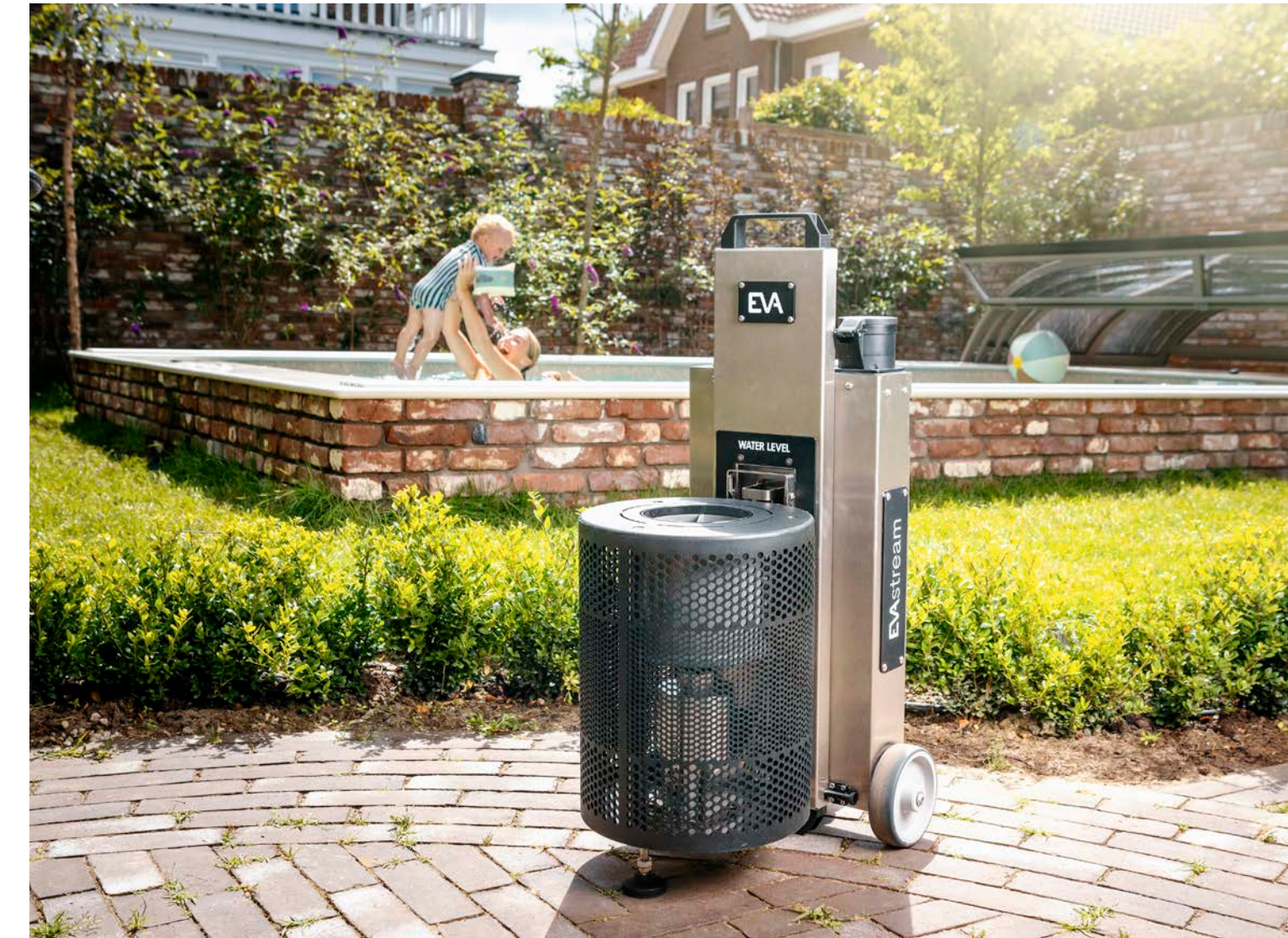
The EVAstream Move can be placed anywhere, at any time. After use, the unit can be easily removed and stored.

Winner Red Dot Design Award

The EVAstream Move was honoured with the prestigious Red Dot Design Award for its innovative, user-friendly and aesthetic design.



reddot winner 2025





EVASTREAM MOVE

User benefits

Counter-current technology now available for existing pools

Counter-current technology is a relatively new market development. Thanks to the EVAstream Move, this technology is now also accessible to existing pool owners.

Plug-and-play, ready to swim within minutes

Plug-and-play operation. Compact and mobile design, easy to move and install by one person, ready for use within just a few minutes.

EVA Web app available

The EVAstream Move comes standard with the EVA Web app for simple control of the EVAstream via any smartphone or tablet, regardless of the operating system.

Preprogrammed swim workouts

The EVAstream Move comes standard with the ECA Control 2 Trainer, providing access to 3 preprogrammed swim workouts.

Powerful rechargeable battery

Delivers at least one hour of continuous swimming at 100% power and, in practice, many hours of swim enjoyment on a single charge. Fully recharges in just four hours via a standard power outlet.

Complies with international safety standards

Meets all requirements for electrical safety and entrapment and hair safety for both residential pools (DIN EN16582-1/2/3, EN16713-2) and public pools (EN13451-1/3).

EVAstream Move models

Many existing pools are only used on warm days and remain unused for the rest of the year. The EVAstream Move changes that completely. This wireless, battery-powered counter-current swim machine transforms any pool into a versatile space for sport and enjoyment. Swimming, workouts, rehabilitation or simply play, the Move ensures that an existing pool can be actively enjoyed all year round.

Unlike the built-in EVAstream, which consists of two separate components, the Move is a fully integrated unit that combines the turbine, MCU, ECA unit and battery in one. The Move comes standard with the ECA 2 Trainer, including three preprogrammed swim workouts, and can be easily operated via the EVA Web app or the standard water-resistant (IP67) EVA Remote Basic. From 2026, the EVA ArchiTech Elite control panel can also be connected to the Move for extended and intuitive control in and around the pool. The EVAstream Move cannot be connected to EVAsubaqua underwater lighting.

Recreational swimmers – EVAstream Move 225

Ideal for relaxation and smooth swimming. The Move 225 provides a wide, even water flow that is perfect for families and recreational use. Includes three preprogrammed swim workouts. Operable via the EVA Web app or the water-resistant (IP67) EVA Remote Basic.

Experienced swimmers – EVAstream Move 275

For sporty users who want to actively improve their fitness and endurance. The Move 275 delivers a stronger current with greater resistance, allowing for longer workouts and more intensive sessions. Includes three preprogrammed swim workouts. Operable via the EVA Web app or the water-resistant (IP67) EVA Remote Basic.



	User	Max. speed	Water flow	Max. water speed	Number of turbines
EVAstream Move 225	Recreational	1:40 sec per 100m	45 – 225 m³/h	5,5 m/s	1
EVAstream Move 275	Experienced	1:25 sec per 100m	55 – 275 m³/h	6,7 m/s	1

See the back of this brochure for a complete overview of all technical product specifications.

2

Advice and preparation

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Advisory phase

The foundation for an optimal swimming experience

After identifying the customer's preferences and pool situation, and going through the step-by-step guide together, the advisory phase begins.

This is the stage where the project design is finalised and the selected options are translated into a technical plan. In some cases, this phase may be preceded by a test swim or demonstration to determine exactly which EVAstream model best meets the customer's needs.

The advisory phase focuses on details that are essential for an optimal experience and a trouble-free installation. Therefore, we have created clear guidelines for each product group to support pool builders during design and preparation:

EVAstream

EVAstream installation guidelines: minimum pool requirements, symmetrical placement, use in non-standard pool designs, built-in situation overview and mounting materials.

EVAsubaqua

EVAsubaqua underwater lighting guidelines: use of the recommendation tool for determining lamp quantity and placement, built-in situation overview and mounting materials.



Advice EVAstream

Advice and recommendations on the application of built-in EVAstream models

Mounting depth EVAstream

It must be possible to position the EVAstream at a depth of 25-28 cm from the water surface to the centre of the turbine.

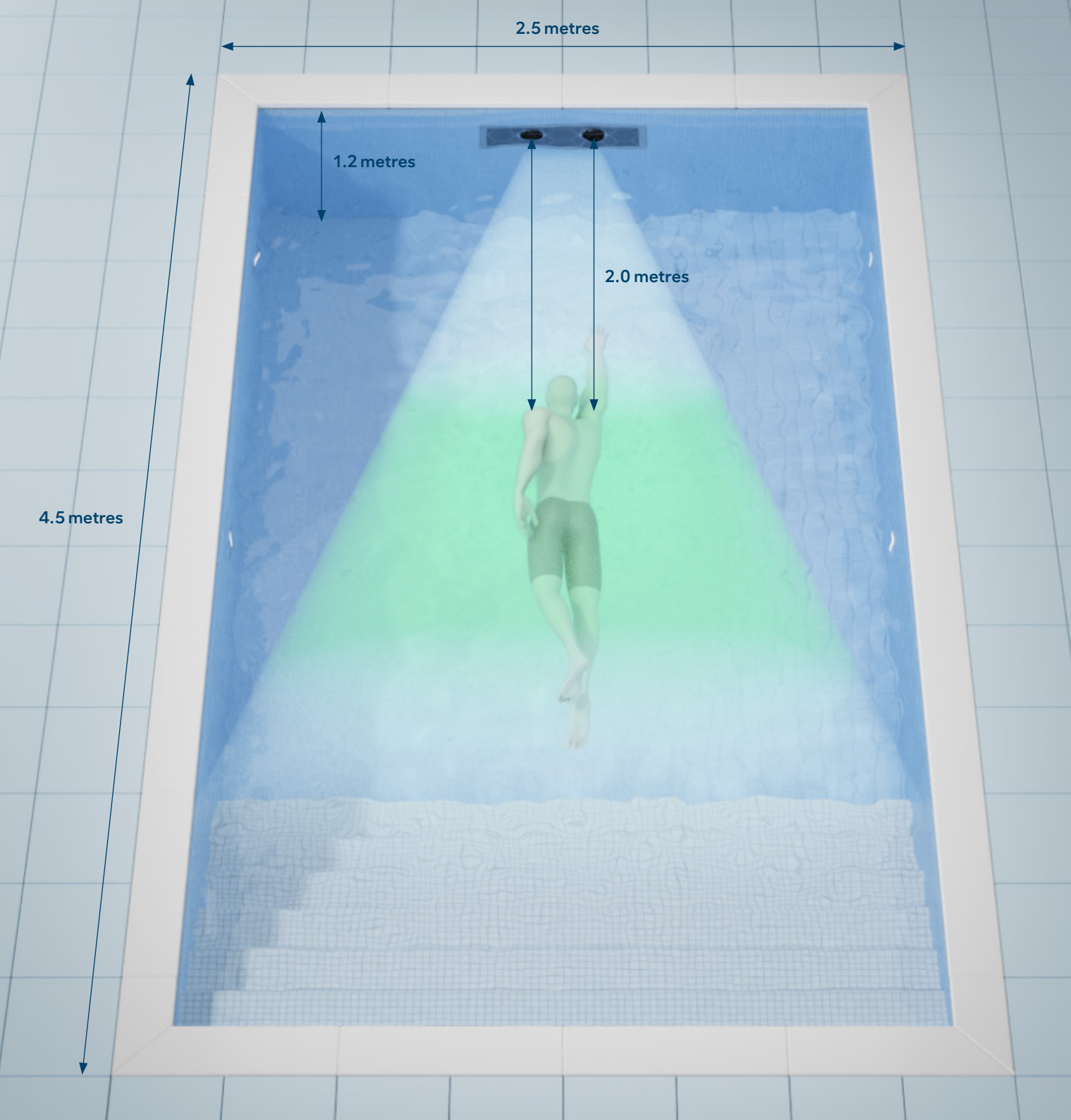


Minimum pool dimensions

The minimum pool dimensions for the application of the EVAstream are: 4.5 x 2.5 x 1.2 metres (length x width x depth).

These dimensions ensure that the swimmer has enough space to swim freely and fully experience the power of the current without coming into contact with the pool wall. The same dimensions apply to both the built-in EVAstream models and the EVAstream Move.

For optimal performance and comfort, the turbine should be adjusted so that the swimmer can maintain a position approximately 2 metres away from the EVAstream unit while swimming (see page .. Handover and fine-tuning with the end user).



Symmetrical placement

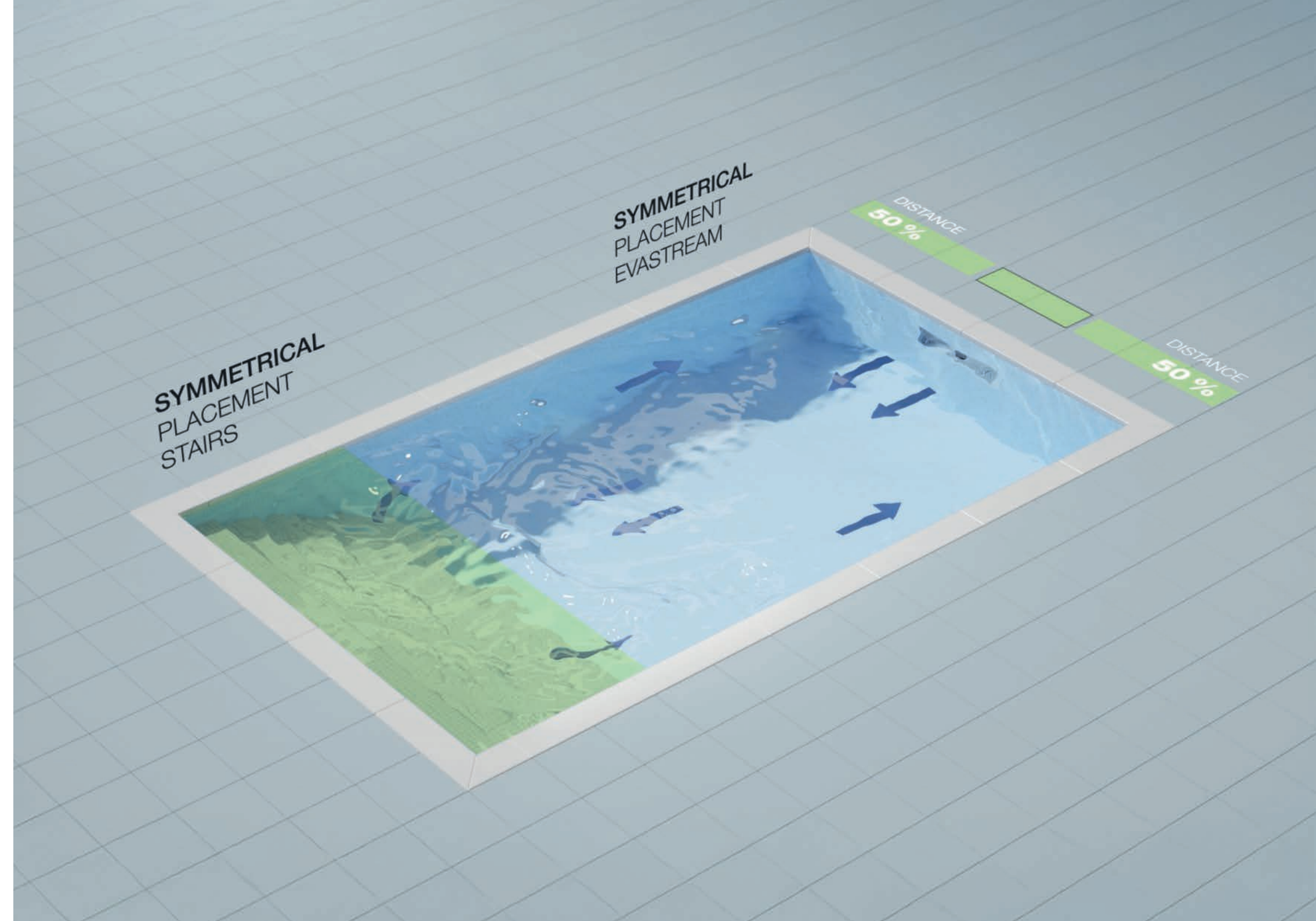
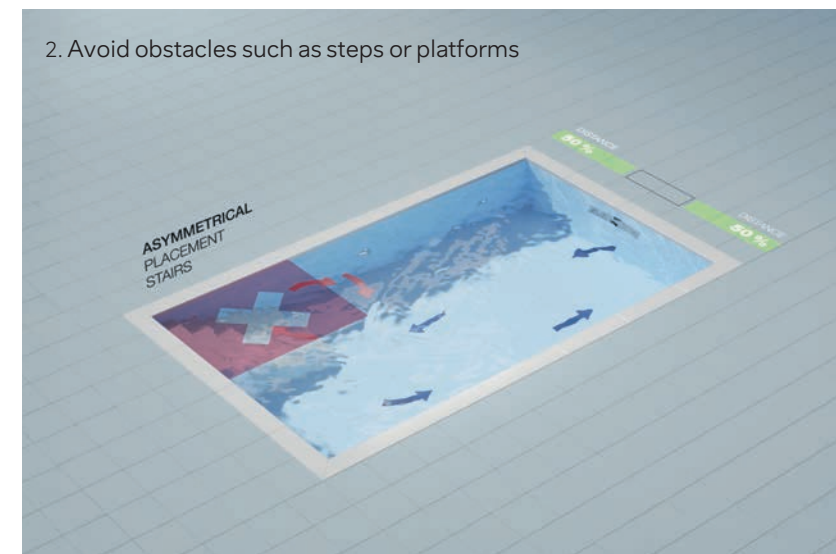
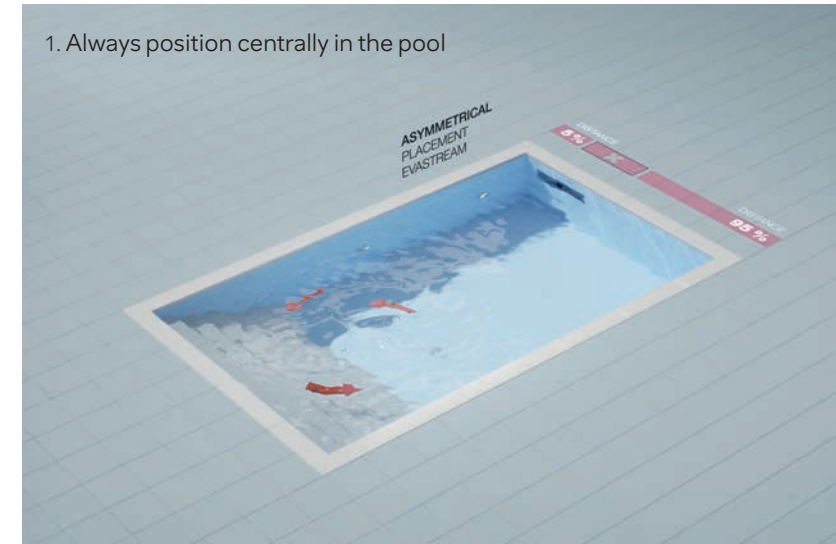
The importance of symmetrical placement of the EVAstream

A perfect swimming experience starts with a well-thought-out design. The position of the EVAstream has a direct impact on the water circulation within the pool. Elements such as steps or swim platforms can disrupt the flow and reduce swimming comfort.

Key considerations

1. Always position the EVAstream centrally in the pool wall to ensure a balanced water flow.
2. Avoid obstacles such as steps or platforms in the direct flow line. If these elements are desired, ensure they are placed symmetrically relative to the swimming direction.

An asymmetrical layout or an obstacle on one side disrupts the water circulation and causes an uneven flow distribution. The EVAstream remains powerful, but the swimmer may experience this as an uneven or interrupted flow, or the formation of vortices in the water. A central, obstacle-free placement guarantees the most stable and natural water flow, ensuring the



EVAstream in special pool designs

Natural pool with plants or a helophyte filter

The EVAstream can easily be integrated into a natural pool. However, make sure that the plants are protected by a separation barrier. This keeps the helophyte filter with plants intact and allows the EVAstream to perform optimally.

Infinity or overflow pool

An overflow pool combines perfectly with the EVAstream. During the design phase, ensure that the balance tank has sufficient capacity to lower the water level by approximately 8 cm when using the EVAstream.

Organically shaped or asymmetrical pools

In pools with an organic or asymmetrical shape, determining the ideal position of the EVAstream is more complex. Because the flow lines differ from those in a rectangular pool, water circulation can behave differently, which may affect the swimming experience.

To achieve the optimal counter-current performance in such designs, we recommend choosing the EVAstream Move. Thanks to its mobile design, users can test and adjust the position themselves to find where the flow feels most natural and balanced.



EVAstream setup

Visualization of the built-in EVAstream installation setup

1 EVAstream turbine

The turbine is installed in a niche within the pool wall and generates a powerful, wide water flow. Cover plates are available in the premium Signature Edition finishes in satin black, gold, bronze or inox, or in the standard Core Edition finishes in gloss inox or ABS in white, silver grey or anthracite.

2 Motor Control Unit (MCU)

The MCU controls the turbine’s drive and is installed in the technical area.

3 ECA unit

The ECA unit defines the functionalities of the EVAstream and/or EVAsubaqua underwater lighting and is also installed in the technical area.

4 On/off switch

A simple switch allows manual activation of the EVAstream (switch not included).

5 EVA Web app

The EVA Web app is standard for all EVAstream models. Operable via smartphone or tablet, regardless of the operating system.

6 EVA ArchiTech Elite control panel

The wireless, waterproof (IP68) ArchiTech Elite control panel allows users to control the EVAstream and/or EVAsubaqua flexibly, from the poolside or directly in the water. Rechargeable via a wall-mounted charging station with induction charger. The charging station (IP53) should be mounted in the technical area or near the pool.

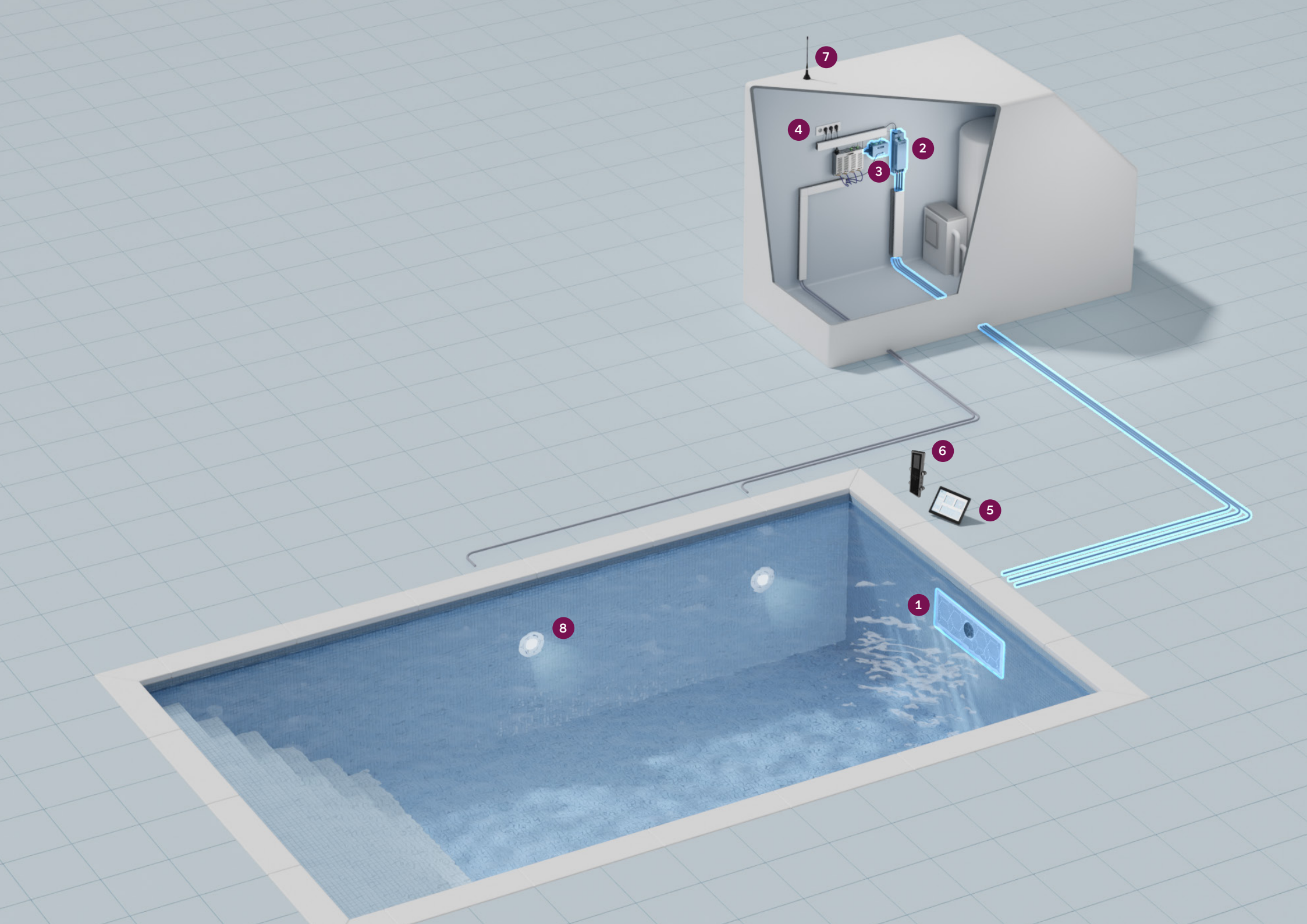
7 Antenna (optional with EVA Remote Basic)

When using the EVA Remote Basic, an antenna may be required to ensure a stable wireless connection between the remote control and the ECA unit. This antenna should be installed near the ECA unit in the technical area. Not applicable when using the EVA Web app or the EVA ArchiTech Elite control panel.

8 EVAsubaqua

Easily connect the EVAstream to EVAsubaqua underwater lighting for a complete swimming experience.

The EVAstream can be connected to a standard power supply, no high-voltage connection is required. Installation must comply with applicable national installation regulations.



Mounting the EVAstream niche

For a professional installation, we offer robust, sound-dampening ABS installation niches. These are designed for concrete, tiled, liner, polyester and monoblock pools.

Concrete and tiled pools

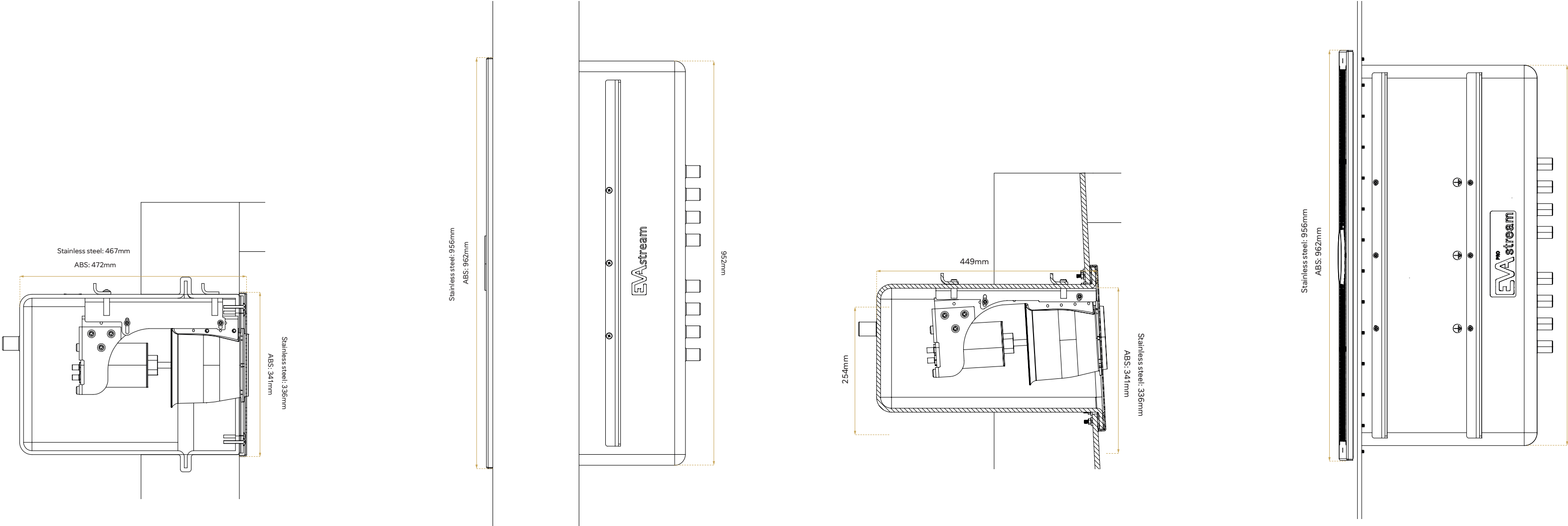
Front plate dimensions
962 x 341 mm

Installation depth
25-28 cm from the water surface to the centre of the turbine.

Liner and polyester pools (monoblock)

Front plate dimensions
962 x 341 mm

Installation depth
25-28 cm from the water surface to the centre of the turbine.



Advice EVAsubaqua

Advice and recommendations on the application of EVAsubaqua models

Calculate the required power

For each project, the required number of lamps can be calculated based on the pool’s dimensions and the reflective value of the wall finish.

Pool finish and lighting colour

The colour of the pool finish directly affects light reflection, the extent to which emitted light is reflected back into the water. Light colours, such as white or light blue, reflect more light, allowing the beams to spread more effectively through the water. As a result, the pool appears brighter and more evenly illuminated, even with fewer lamps.

Darker or deeper-coloured pools, on the other hand, absorb more light and reflect less. Consequently, less light remains to illuminate the pool, and additional lamps are needed to achieve the same brightness and ambience.

How many lamps are needed?

First, calculate the surface area of the pool (length x width). Then consult the table below and choose the colour that most closely matches the pool finish. Multiply the surface area by the corresponding factor in the table to determine the required light output.

Pool lining reflectivity		Multiplication factor (W/m²)
70%	White	2.0 Watt
60%	Sand	2.5 Watt
50%	Caribbean green	3.0 Watt
40%	Light grey	3.6 Watt
30%	Adriatic blue	4.2 Watt
20%	Light blue	5.0 Watt
10%	Dark grey	6.0 Watt
0%	Black	7.5 Watt

Example calculation

A pool is 8 metres long and 4 metres wide. The pool finish is tiled in a green colour similar to Caribbean Green from the table.

Surface area × multiplication factor:
32 m² × 3.0 W = 96 watts (minimum required lamp power).

According to this example, the total required light output for this pool is at least 96 W. This total power can be distributed in different ways, depending on the customer’s preferences and the desired light distribution. For example:

- 1. 2 lamps of 40W and 2 lamps of 10W
- 2. 3 lamps of 25W and 2 lamps of 10W

Lighting positioning advice

For optimal visual comfort, pool lighting should preferably be installed on the terrace side. This way, users looking at the water from the terrace or pool edge are not blinded by direct light. The result is a uniformly illuminated pool with the right balance between ambience and visibility.

For correct positioning, divide the width of the pool by the number of lamps. Half of this distance determines where the first lamp should be placed from the side wall. The remaining lamps are then evenly distributed across the width of the pool, ensuring smooth and even light coverage over the water surface.

Example calculation

For a pool 6 metres wide with three lamps, divide the width by the number of lamps: 6 ÷ 3 = 2 metres. Half of this distance (1 metre) is the position of the first lamp from the side wall. The other lamps are then placed every 2 metres. Depending on the situation, such as the presence of steps or a platform, this layout can be adjusted to maintain optimal light distribution.



EVAsubaqua setup

Visualization of the EVAsubaqua installation setup

1 EVAsubaqua lamp in niche

The underwater lamp is installed in the flush-mounted installation niche in the pool wall.

2 Cover plate

Choose a cover plate in the standard Core Edition or the premium Signature Edition, available in satin black, gold, bronze or inox.

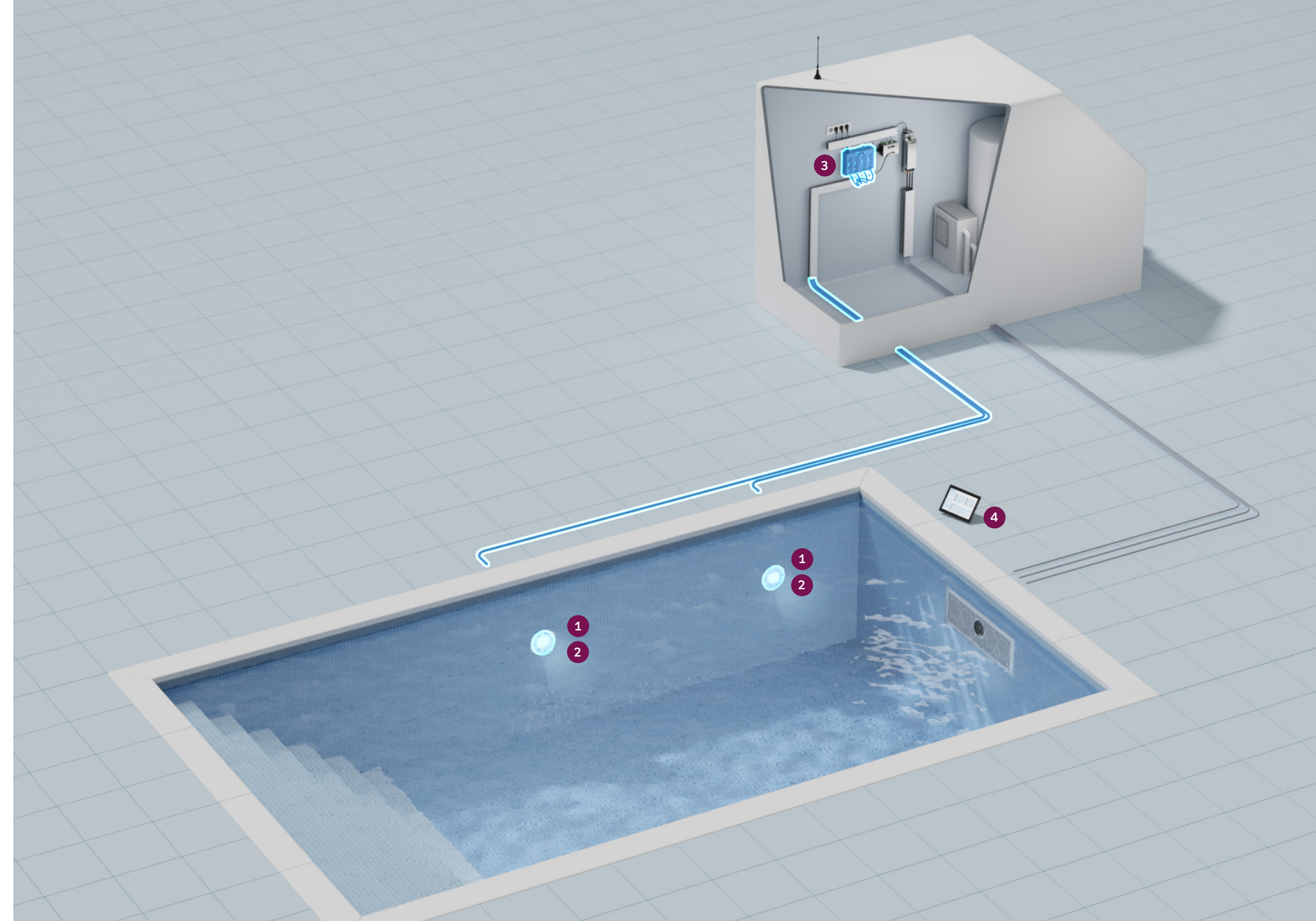
3 Power box

Power boxes are installed in a dry technical area. Each EVAsubaqua underwater lamp is equipped with its own power supply, optionally fitted with an rgbw circuit board, preassembled in an IP65-rated power box.

4 EVA Web app

The EVA Web app is standard for all EVAsubaqua models. Operable via smartphone or tablet, regardless of the operating system.

Installation must comply with applicable national installation regulations.



Mounting the EVAsubaqua niche

For a professional installation, we offer robust niches and covers. These are designed for concrete, tiled, liner, polyester and monoblock pools.

Concrete/tiled pools and Liner/polyester pools (monoblock)

Front plate dimensions

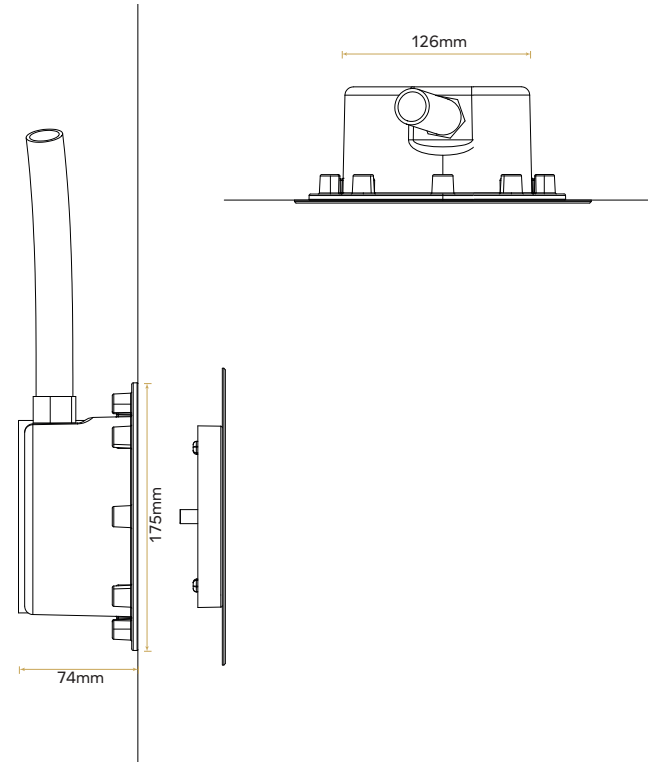
EVAsubaqua A-serie	
ABS coverplate flanged:	190 mm
Inox coverplate flat and flanged:	194 mm

EVAsubaqua S-serie	
ABS coverplate flanged:	114 mm
Inox coverplate flanged:	113 mm
Inox coverplate flat:	110 mm

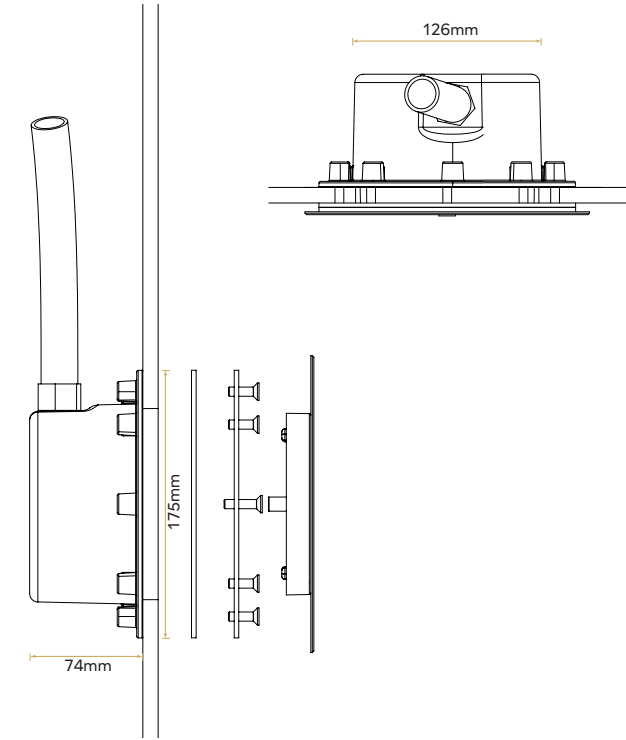
Installation depth

60–70 cm from the water surface to the lamp
(for an average pool depth of 150 cm)

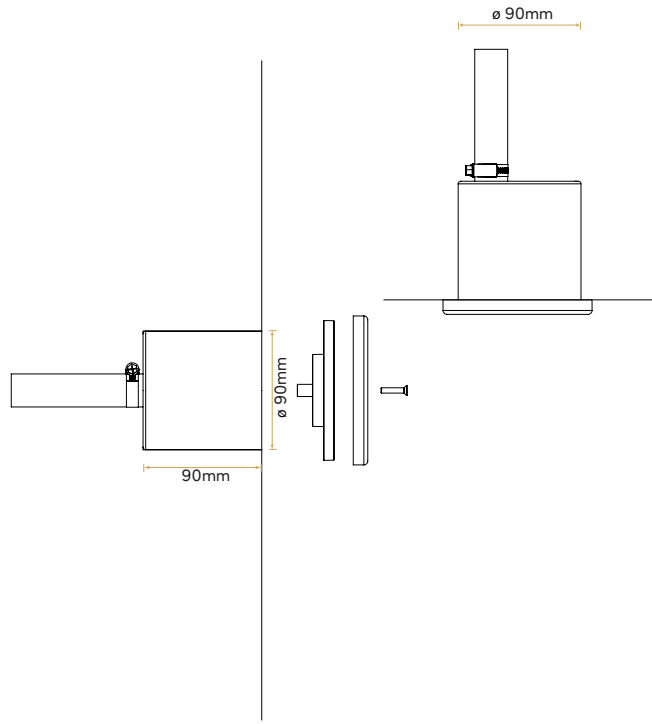
SubAqua A-serie - Tiled pools



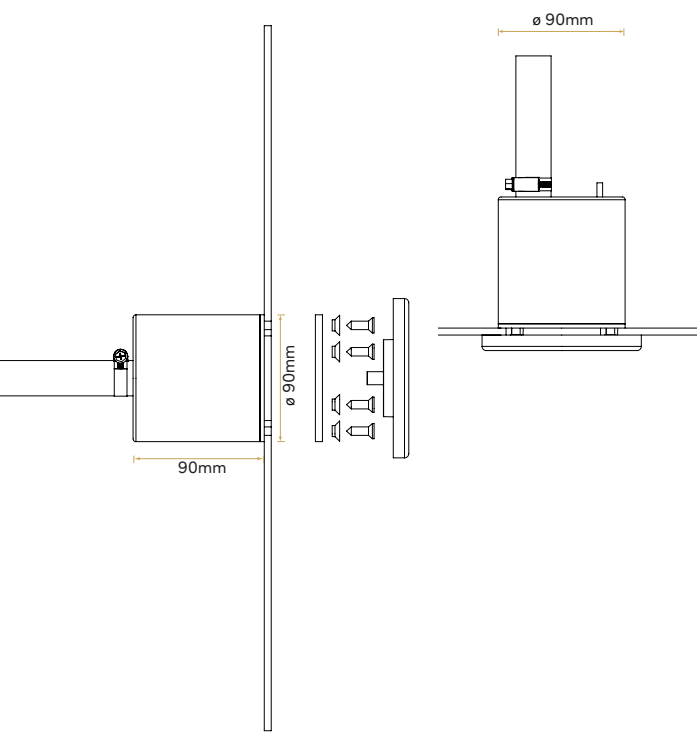
SubAqua A-serie - Poly/liner pools



SubAqua S-serie - Tiled pools



SubAqua S-serie - Poly/liner pools



3

Installation and handover

Designed for fast and easy installation	72
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Handover and fine-tuning with the end user	76

Designed for fast and easy installation

At EVA, installation convenience begins in the engineering phase. From the very first design sketch, our engineers take into account the practical reality of pool construction. Each product is developed for fast, error-free installation and a smooth handover. Smartly designed for both the user and the installer. This approach sets EVA apart in the market: our products not only deliver top performance but also make installation simple, efficient and reliable. This way, the end customer experiences EVA quality from day one, and the installer benefits from a fast and trouble-free installation.

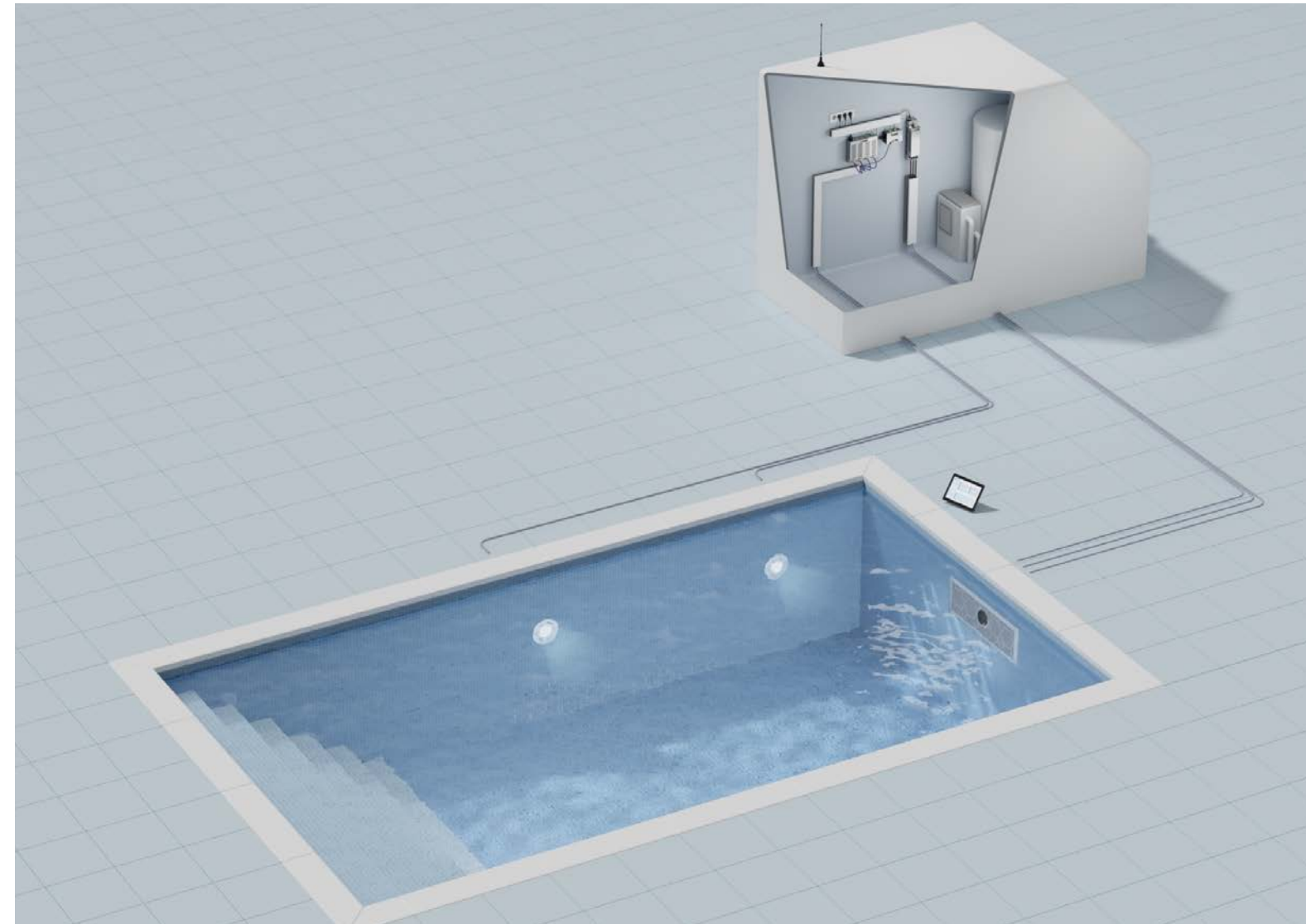
EVAstream plug-and-play installation

The EVAstream has been developed for a fully plug-and-play installation. Cables are fitted with waterproof plug connectors and clear markings, making incorrect connections virtually impossible. This greatly simplifies the installation process, making it intuitive, accurate and fast. Smaller margins for error also mean less support is required afterwards. From the very first moment, the EVAstream operates reliably, while the clean and well-organised technical area keeps service and maintenance simple.



EVAstream installation
plug- and play

www.evaoptic.com/evastream-move-user-manual





Installation manuals

EVAstream



EVAstream
mounting manual

www.evaoptic.com/evastream-mounting-manual



ECA
mounting manual

www.evaoptic.com/eca-mounting-manual



EVAstream
user manual

www.evaoptic.com/evastream-user-manual

EVAstream Move



EVAstream Move
user manual

www.evaoptic.com/evastream-move-user-manual

EVAsubaqua



EVAsubaqua
A and S-series
mounting manual

www.evaoptic.com/evasubaqua-a-and-s-serie-mounting-manual



EVAsubaqua
B-series
mounting manual

www.evaoptic.com/evasubaqua-b-serie-mounting-manual



EVAsubaqua
C-series
mounting manual

www.evaoptic.com/evasubaqua-c-serie-mounting-manual

Handover and fine-tuning with the end user

After installation, it is important to complete the project with a thorough handover. Check that all components are functioning correctly and guide the customer in setting up the EVA Web app on one or more devices. This ensures that the user immediately has access to all basic functions and any additional features, such as lighting scenes or training programs.

Fine-tuning the EVAstream with the end user

A crucial part of the handover is fine-tuning the EVAstream, which should always be done together with the customer. First, let the user experience how the current feels, then adjust the turbine position accordingly. The flow should be directed optimally at the swimmer's torso, providing the right level of resistance while maintaining enough breathing space without splashing water. The turbine can be adjusted by 5° in total (up to 2° downward or 3° upward), allowing the water flow to be precisely fine-tuned to the user's body and swimming position.

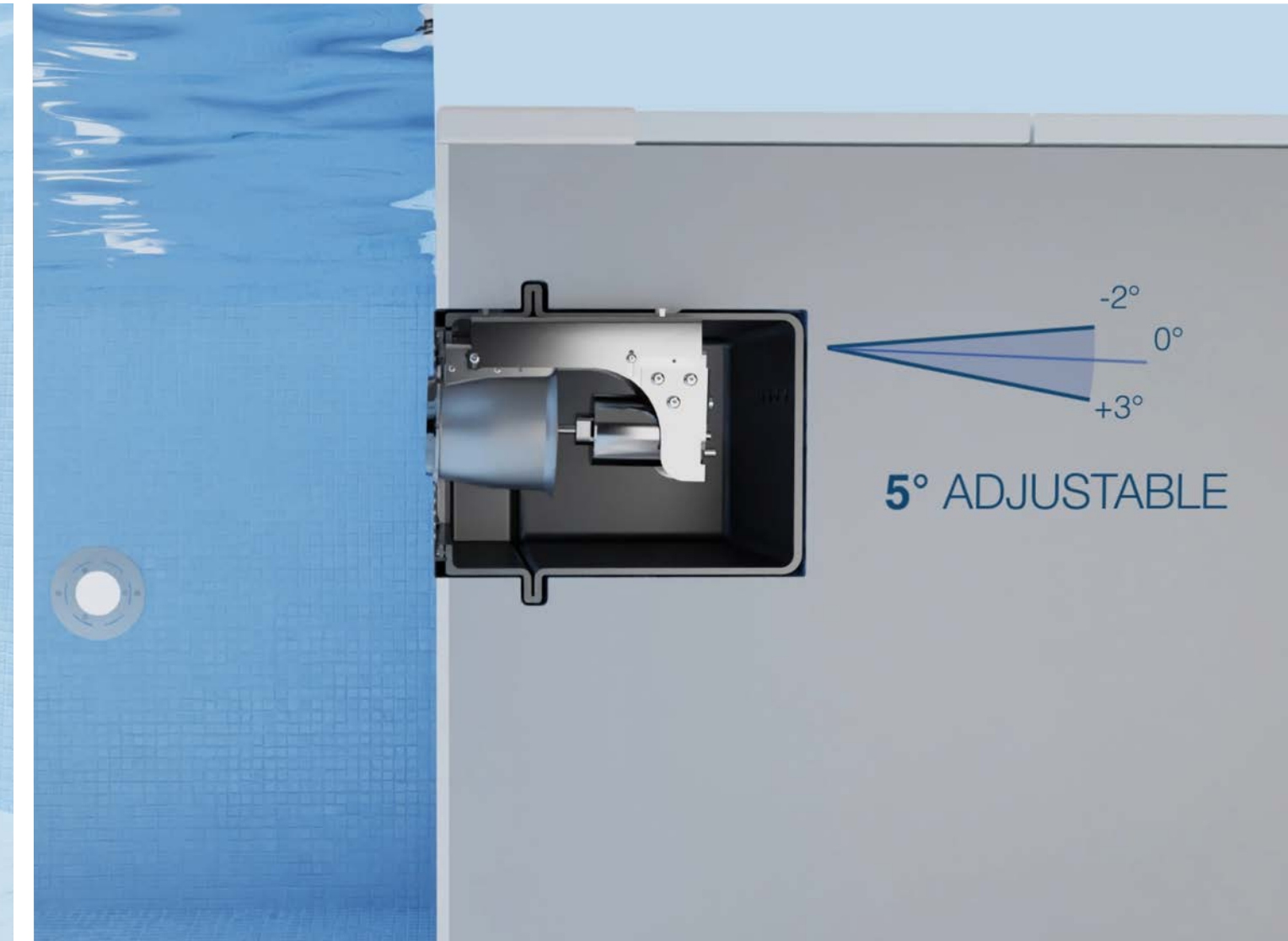
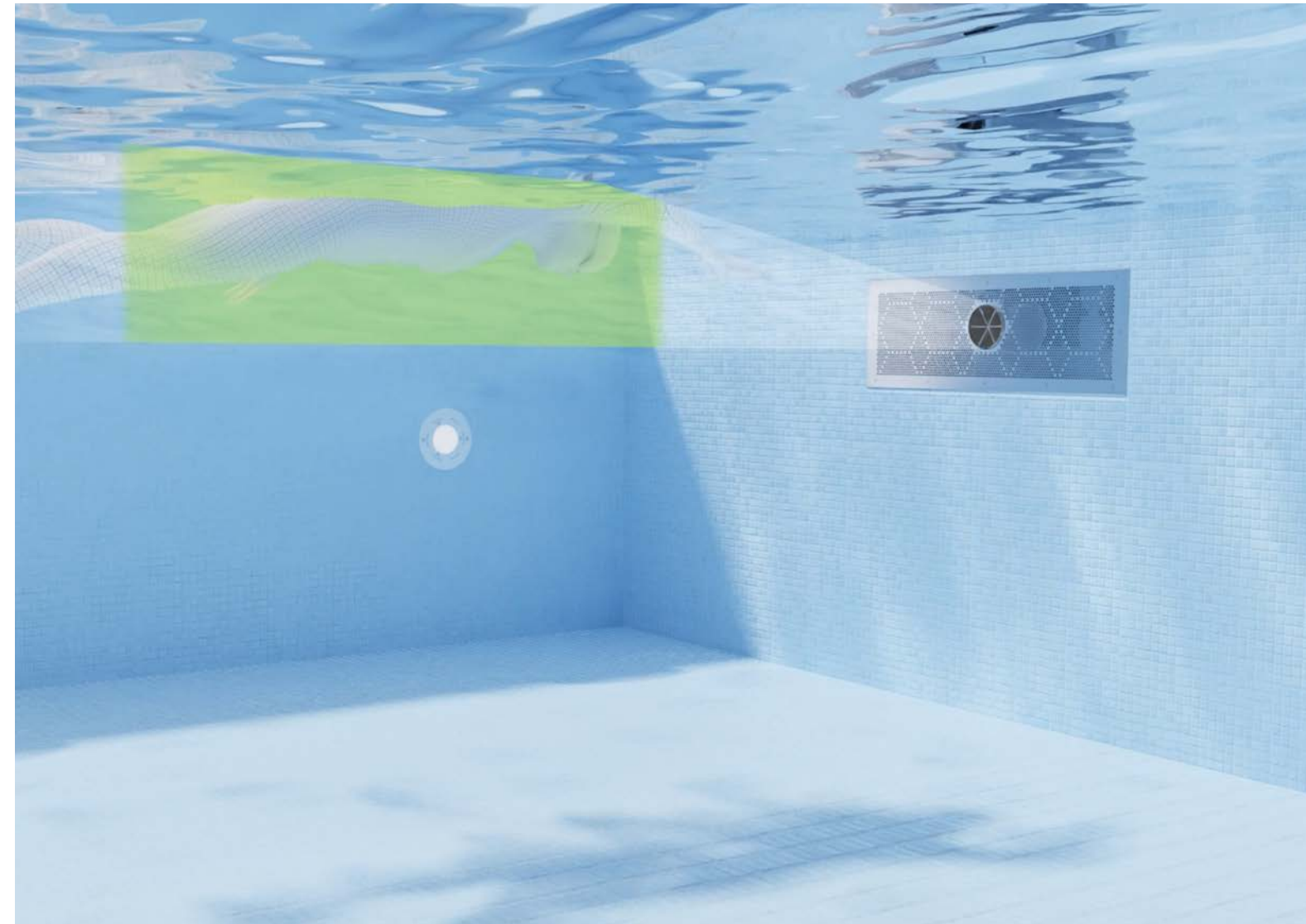
Crucial for maximum resistance and the best swim experience

It is precisely at this stage that the real difference is made for the end user. Even a minimal adjustment of the turbine position can make a world of difference in how the flow feels. If the machine is not fine-tuned correctly, the swimmer may experience significantly less resistance and fail to take full advantage of the system's potential. Careful fine-tuning, on the other hand, ensures that the user feels the full power of the EVAstream and enjoys the best possible swim experience. The handover phase is therefore essential to customer satisfaction.



Fine-tuning EVAstream
with the end user

www.evaoptic.com/evastream-move-user-manual



4	Maintenance, warranty and support	
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Maintenance

The EVAstream, EVAstream Move and EVAsubaqua are designed for years of carefree use. With proper water quality and correct chlorine or salt levels (within the recommended guidelines), performance and appearance remain optimal.

Winter

Prevent ice formation around the EVAstream, EVAstream Move or EVAsubaqua. Make sure the water around the systems remains free of ice so that everything continues to function properly.

Summer

The EVAstream and EVAsubaqua operate flawlessly in sunlight. For the EVAstream Move, however, avoid leaving it in direct sunlight all day after a swim workout, as this can affect the battery. Store the Move indoors after use to keep it in top condition.

After using the EVAstream Move

When the EVAstream Move is not used for a while, rinse the turbine with clean water to remove any chlorine or salt residue. This prevents corrosion and extends the product’s lifespan.

Salt water

When using salt water, we recommend cleaning all underwater components (EVAstream, EVAstream Move and EVAsubaqua) regularly. Flush the moving parts and occasionally clean the lamps to prevent algae buildup. Keep the salt concentration within the prescribed range to maintain performance and durability.

Warranty

For over 15 years, EVA has been developing and manufacturing high-quality solutions that are specifically designed for the demanding swimming pool environment. This focus on durable quality and reliable performance forms the foundation of our warranty conditions:

EVAsubaqua

Thanks to its proven top quality, we offer a 4-year full factory warranty on all EVAsubaqua products, supported by over 15 years of expertise as the European market leader.

EVAstream and EVAstream Move

The EVAstream and EVAstream Move come with a 2-year warranty period.

EVA Control options

The control accessories EVA ArchiTech Elite and EVA Remote Basic are covered by a 2-year warranty.

Support and warranty procedures

Support procedure for resellers

In case of technical questions or service requests, the reseller is always the first point of contact for the end user. To ensure fast and correct handling of support requests, EVA Optic follows the procedure below:

1. Send your support request to support@evaoptic.com. You will receive a ticket number for follow-up.
2. Add a clear description of the question or issue, including relevant photos or videos if available.
3. Always include the product type and serial number.
4. The EVA support team will assess the request and provide further instructions or assistance.

RMA procedure for resellers (defective product or warranty claim)

When a product or part is defective and needs to be returned, follow the RMA procedure below:

1. Request an RMA number via support@evaoptic.com.
2. Include a clear description of the defect and a copy of the invoice with your request.
3. Note that the product to be returned must meet certain requirements to enable a proper analysis at the factory. Follow the instructions provided, for example regarding minimum cable lengths, in accordance with our general terms and conditions in order to qualify for warranty.
4. After receiving an RMA number, send the defective product or part within 30 days of issuance to:
EVA Optic B.V.
Support & Warranty
De Velde 1
8064 PH
The Netherlands
5. Ensure proper, adequately protective packaging. Add the completed RMA form to the package and make sure the RMA number is clearly indicated on the outside of the package.
6. Upon receipt, EVA will assess the claim and determine, depending on the situation, whether the product will be repaired or a replacement product will be supplied. Products that fail outside the warranty period are not eligible for warranty.

Support at every stage

EVA Optic has been the leading high-end brand for technical experience products in swimming pools for many years. Our added value goes beyond developing and manufacturing innovative products. We support resellers at every stage of the process, from the first customer conversation to installation and handover to aftersales.

We provide resellers with all the tools to advise successfully and deliver projects. This includes professional photo and video material, brochures, presentations, demo units and a comprehensive website. We also equip our partners with the right knowledge through training, installation videos and clear manuals in multiple languages. Our experienced support team is always on hand to provide personal support in Dutch, English and German.

We intentionally build long term partnerships with resellers who, like us, prioritise quality, reliability and innovation. Together we make sure you can offer your customers not only the best technology, but also a distinctive, aesthetic and inspiring pool experience.

Contact and website

Our website offers a dedicated platform for professionals with everything needed to work successfully with EVA products:

- Advisory and calculation tools
- Manuals and installation videos
- Product information and technical documentation
- Marketing materials and presentations



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EVAstream specifications
Recreational swimmer

	EVAstream 175	EVAstream 225
Recommended use	Recreational swimmer	Recreational swimmer
Water flow capacity	35 - 175 m3/h (adjustable flow)	45 - 225 m3/h (adjustable flow)
Volume displacement	0,8 - 4,3 m/s	1,1 - 5,5 m/s
Max. waterflow speed swimzone	2:15 sec. per 100 meter	1:40 sec. per 100 meter
Minimum pool dimensions	4,5 x 2,5 meter (lxb)	4,5 x 2,5 meter (lxb)
Warranty	2 years factory warranty	2 years factory warranty

Motor Control Unit

Dimensions	284 x 90 x 82 mm (lxbxh)	290 x 105 x 91 mm (lxbxh)
IP rating	IP 20	IP 20
Working temperature	-20°C to 32°C, dry and condensation-free area	-20°C to 32°C, dry and condensation-free area
Noise level (distance 1m at 100% power)	31 dB	31 dB
Safety measures	Short circuit, overload, over voltage, over temperature, EVA Torque control, Voltage/current control, Mosfet temperature control	Short circuit, overload, over voltage, over temperature, EVA Torque control, Voltage/current control, Mosfet temperature control

Electrical specifications input

Connection voltage (Vac)	90-264 Vac	90-264 Vac
Frequency range	47 - 63 Hz	47 - 63 Hz
Nominal current (A)	3A 230 Vac	4A 230 Vac
Power consumption VA (PF > 0.95)	600W	900W
Standby power consumption (W)	5W	5W
PPM input	PPM1	PPM2

Electrical specifications output

Turbine output	BLDC	BLDC
Turbine connection power supply	3x1x16 mm2	3x1x16 mm2
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	23A	35A
Output power sharing	Not available	Not available

Turbine

Number of turbines	1 turbine	1 turbine
Cable type	3x1x16 mm2	3x1x16 mm2
Cable length	8 meter, extendable to max. 35 meters	8 meter, extendable to max. 35 meters
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	5°C to 35°C	5°C to 35°C
Noise level (distance 1m at 100% power)	29 dB	29 dB

EVAstream specifications
Experienced swimmer

	EVAstream 275	EVAstream 450
Recommended use	Experienced swimmer	Experienced swimmer
Water flow capacity	55 - 275 m3/h (adjustable flow)	90 - 450 m3/h (adjustable flow)
Volume displacement	1,3 - 6,7 m/s	2x 1,1 - 5,5 m/s
Max. waterflow speed swimzone	1:25 sec. per 100 meter	1:15 sec. per 100 meter
Minimum pool dimensions	4,5 x 2,5 meter (lxb)	4,5 x 2,5 meter (lxb)
Warranty	2 years factory warranty	2 years factory warranty

Motor Control Unit

Dimensions	380 x 90 x 96 mm (lxbxh)	360 x 182 x 117 mm (lxbxh)
IP rating	IP 20	IP 20
Working temperature	-20°C to 32°C, dry and condensation-free area	-20°C to 32°C, dry and condensation-free area
Noise level (distance 1m at 100% power)	38 dB	38 dB
Safety measures	Short circuit, overload, over voltage, over temperature, EVA Torque control, Voltage/current control, Mosfet temperature control	Short circuit, overload, over voltage, over temperature, EVA Torque control, Voltage/current control, Mosfet temperature control

Electrical specifications input

Connection voltage (Vac)	90-264 Vac	90-264 Vac
Frequency range	47 - 63 Hz	47 - 63 Hz
Nominal current (A)	6A 230 Vac	9A 230 Vac
Power consumption VA (PF > 0.95)	1300W	1800W
Standby power consumption (W)	40W	80W
PPM input	PPM2	PPM2

Electrical specifications output

Turbine output	BLDC	BLDC
Turbine connection power supply	3x1x16 mm2	3x1x16 mm2
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	50A	2x 35A
Output power sharing	24 Vdc 100W	24 Vdc 100W

Turbine

Number of turbines	1 turbine	2 turbines
Cable type	3x1x16 mm2	3x1x16 mm2
Cable length	8 meter, extendable to max. 30 meters	8 meter, extendable to max. 25 meters
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	5°C to 35°C	5°C to 35°C
Noise level (distance 1m at 100% power)	29 dB	32 dB

EVAstream specifications

Professional swimmer

	EVAstream 350	EVAstream 550
Recommended use	Professional swimmer	Professional swimmer
Water flow capacity	70 - 350 m3/h (adjustable flow)	110 - 550 m3/h (adjustable flow)
Volume displacement	1,7 - 8,6 m/s	2x 1,3 - 6,7 m/s
Max. waterflow speed swimzone	1:10 sec. per 100 meter	1:05 sec. per 100 meter
Minimum pool dimensions	4,5 x 2,5 meter (lxb)	4,5 x 2,5 meter (lxb)
Warranty	2 years factory warranty	2 years factory warranty

Motor Control Unit		
Dimensions	380 x 90 x 96 mm (lxbxh)	360 x 182 x 117 mm (lxbxh)
IP rating	IP 20	IP 20
Working temperature	-20°C to 32°C, dry and condensation-free area	-20°C to 32°C, dry and condensation-free area
Noise level (distance 1m at 100% power)	38 dB	41 dB
Safety measures	Short circuit, overload, over voltage, over temperature, EVA Torque control, Voltage/current control, Mosfet temperature control	Short circuit, overload, over voltage, over temperature, EVA Torque control, Voltage/current control, Mosfet temperature control

Electrical specifications input		
Connection voltage (Vac)	90-264 Vac	90-264 Vac
Frequency range	47 - 63 Hz	47 - 63 Hz
Nominal current (A)	8A 230 Vac	12A 230 Vac
Power consumption VA (PF > 0.95)	1700W	2600W
Standby power consumption (W)	40W	80W
PPM input	PPM2	PPM2

Electrical specifications output		
Turbine output	BLDC	BLDC
Turbine connection power supply	3x1x16 mm2	3x1x16 mm2
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	65A	2x50A
Output power sharing	Not available	Not available

Turbine		
Number of turbines	1 turbine	2 turbines
Cable type	3x1x16 mm2	3x1x16 mm2
Cable length	8 meter, extendable to max. 25 meters	8 meter, extendable to max. 25 meters
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	5°C to 35°C	5°C to 35°C
Noise level (distance 1m at 100% power)	32 dB	32 dB

ECA specifications

All models

	EVA Eco	ECA 1 Essential	ECA 2 Trainer	ECA 3 ProTrainer
Suitable for EVAstream type	EVAstream 175	EVAstream 225 - 275 - 350 EVAstream 450 - 550	EVAstream 225 - 275 - 350 EVAstream 450 - 550	EVAstream 225 - 275 - 350 EVAstream 450 - 550
EVA web app functions	Start / stop	Start / stop	Start / stop	Start / stop
	Speed / timer	Speed / timer	Speed / timer 3 swim workouts	Speed / timer 20 swim workouts
Connection EVAsubaqua	Not available	Optional (extension)	Optional (extension) Compatible with swim workouts	Optional (extension) Compatible with swim workouts
Connection EVA Remote	Optional (extension)	Optional (extension)	Optional (extension)	Optional (extension)

ECA Unit				
Dimensions	158 x 119 x 75 mm (lxbxh)	158 x 119 x 75 mm (lxbxh)	158 x 119 x 75 mm (lxbxh)	158 x 119 x 75 mm (lxbxh)
IP rating	IP20	IP20	IP20	IP20
Working temperature	-20°C tot 32°C, dry/condensation-free	-20°C tot 32°C, dry/condensation-free	-20°C tot 32°C, dry/condensation-free	-20°C tot 32°C, dry/condensation-free
Warranty	2 years factory warranty	2 years factory warranty	2 years factory warranty	2 years factory warranty

Electrical specifications (input)				
Connection voltage (Vac)	230 Vac 5W	230 Vac 10W	230 Vac 10W	230 Vac 10W
Pulse input (piezo-ready)	Not available	3x Piezo ready	3x Piezo ready	3x Piezo ready

Electrical specifications (output)				
PPM output	PPM 1	PPM 2	PPM 2	PPM 2
Lighting control output	Not available	DMX	DMX - EVA	DMX - EVA
Fan output 5W	Not available	24 Vdc 5W	24 Vdc 5W	24 Vdc 5W

EVAsubaqua specifications

A-serie 25W

	EVAsubaqua 25W mono	EVAsubaqua 25W rgbw
Type of light	SubAqua A25 mono	SubAqua A25 rgbw
Type of cover	Satin cover	Satin cover
Type of LEDs	6x high power mono LEDs	6x high power rgbw LEDs
Measurements luminaire	Ø 117 mm, thickness 16 mm	Ø 117 mm, thickness 16 mm
Max. installation depth	25 meter	25 meter
Cable length luminaire (ex factory)	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.
Max. cable length	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)
Wattage	25W	25W
Lumen efficacy LED	Warm white: 115 Lm/W Clear white: 135 Lm/W	Warm white: 115 Lm/W Clear white: 135 Lm/W
Colour temperatures	Warm white Clear white Mediterranean	rgbw clear white rgbw warm white
Beam angle	Wide flood	Wide flood
Max. water temperature	40°C	40°C
Water Cooling	On the backside of the luminaire is necessary	On the backside of the luminaire is necessary
Applications	Residential pools, instruction pools	Residential pools, instruction pools
Driver input/output	100-240 Vac / 24Vdc	100-240 Vac / 24Vdc
Driving technology	0-10 Vdc (dimming)	DMX 512
Working temperature power box	-20°C to + 40°C	-20°C to + 40°C
Protection rating power box	IP65 housing - installed in technical room	IP65 housing - installed in technical room
Protections power supply	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation
Dimensions Power Box	Length 230 mm, width 80 mm depth 65 mm	Length 230 mm, width 80 mm depth 65 mm
Safety standard compliancy	IEC EN 60598-2-18	IEC EN 60598-2-18
Warranty	4 years	4 years

EVAsubaqua specifications

A-serie 40-50W

	EVAsubaqua 40W mono	EVAsubaqua 50W rgbw
Type of light	SubAqua A40 mono	SubAqua A50 rgbw
Type of cover	Microprism cover	Microprism cover
Type of LEDs	12x high power mono LEDs	12x high power rgbw LEDs
Measurements luminaire	Ø 117 mm, thickness 16 mm	Ø 117 mm, thickness 16 mm
Max. installation depth	25 meter	25 meter
Cable length luminaire (ex factory)	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.
Max. cable length	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)
Wattage	40W	50W
Lumen efficacy LED	Warm white: 115 Lm/W Clear white: 135 Lm/W	Warm white: 115 Lm/W Clear white: 135 Lm/W
Colour temperatures	Warm white Clear white Mediterranean	rgbw clear white rgbw warm white
Beam angle	Wide flood	Wide flood
Max. water temperature	40°C	40°C
Water Cooling	On the backside of the luminaire is necessary	On the backside of the luminaire is necessary
Applications	Competition, recreational, instruction pools	Competition, recreational, instruction pools
Driver input/output	100-240 Vac / 24Vdc	100-240 Vac / 24Vdc
Driving technology	0-10 Vdc (dimming)	DMX 512
Working temperature power box	-20°C to + 40°C	-20°C to + 40°C
Protection rating power box	IP65 housing - installed in technical room	IP65 housing - installed in technical room
Protections power supply	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation
Dimensions Power Box	Length 230 mm, width 80 mm depth 65 mm	Length 230 mm, width 80 mm depth 65 mm
Safety standard compliancy	IEC EN 60598-2-18	IEC EN 60598-2-18
Warranty	4 years	4 years

EVAsubaqua specifications

S-serie 10W

	EVAsubaqua 25W mono	EVAsubaqua 25W rgbw
Type of light	SubAqua S10 mono	SubAqua S10 rgbw
Type of cover	Satin cover	Satin cover
Type of LEDs	5x high power mono LEDs	5x high power mono LEDs
Measurements luminaire	Ø 55 mm, thickness 16,5 mm	Ø 55 mm, thickness 16,5 mm
Max. installation depth	25 meter	25 meter
Cable length luminaire (ex factory)	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.
Max. cable length	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)
Wattage	10W	25W
Lumen efficacy LED	Warm white: 115 Lm/W Clear white: 135 Lm/W	Warm white: 115 Lm/W Clear white: 135 Lm/W
Colour temperatures	Warm white Clear white Mediterranean	rgbw clear white rgbw warm white
Beam angle	Wide flood	Wide flood
Max. water temperature	40°C	40°C
Water Cooling	On the backside of the luminaire is necessary	On the backside of the luminaire is necessary
Applications	Residential pools steps, small pools	Residential pools steps, small pools
Driver input/output	100-240 Vac / 24Vdc	100-240 Vac / 24Vdc
Driving technology	0-10 Vdc (dimming)	DMX 512
Working temperature power box	-20°C to + 40°C	-20°C to + 40°C
Protection rating power box	IP65 housing - installed in technical room	IP65 housing - installed in technical room
Protections power supply	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation
Dimensions Power Box	Length 230 mm, width 80 mm depth 65 mm	Length 230 mm, width 80 mm depth 65 mm
Safety standard compliancy	IEC EN 60598-2-18	IEC EN 60598-2-18
Warranty	4 years	4 years

EVAsubaqua specifications

B-serie 10W

	EVAsubaqua 40W mono	EVAsubaqua 50W rgbw
Type of light	SubAqua B10 mono	SubAqua B10 rgbw
Type of cover	Satin cover	Satin cover
Type of LEDs	6x high power mono LEDs	6x high power rgbw LEDs
Measurements luminaire	Ø 90 mm, thickness 127 mm	Ø 90 mm, thickness 127 mm
Max. installation depth	25 meter	25 meter
Cable length luminaire (ex factory)	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.
Max. cable length	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)
Wattage	10W	10W
Lumen efficacy LED	Warm white: 115 Lm/W Clear white: 135 Lm/W	Warm white: 115 Lm/W Clear white: 135 Lm/W
Colour temperatures	Warm white Clear white Mediterranean	rgbw clear white rgbw warm white
Beam angle	Wide flood	Wide flood
Max. water temperature	40°C	40°C
Water Cooling	On the backside of the luminaire is necessary	On the backside of the luminaire is necessary
Applications	Whirlpools, Playgrounds, prefabricated slides	Whirlpools, Playgrounds, prefabricated slides
Driver input/output	100-240 Vac / 24Vdc	100-240 Vac / 24Vdc
Driving technology	0-10 Vdc (dimming)	DMX 512
Working temperature power box	-20°C to + 40°C	-20°C to + 40°C
Protection rating power box	IP65 housing - installed in technical room	IP65 housing - installed in technical room
Protections power supply	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation
Dimensions Power Box	Length 230 mm, width 80 mm depth 65 mm	Length 230 mm, width 80 mm depth 65 mm
Safety standard compliancy	IEC EN 60598-2-18	IEC EN 60598-2-18
Warranty	4 years	4 years

EVAsubaqua specifications

C-serie 25W

	EVAsubaqua 25W mono	EVAsubaqua 25W rgbw
Type of light	SubAqua C25 mono	SubAqua C25 rgbw
Type of cover	Satin cover	Satin cover
Type of LEDs	6x high power mono LEDs	6x high power rgbw LEDs
Measurements luminaire	Ø 106 mm, thickness 17,5 mm	Ø 106 mm, thickness 17,5 mm
Max. installation depth	25 meter	25 meter
Cable length luminaire (ex factory)	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.	10/20/30 meter (7 wires: 5x0,5mm2, 2x0,25mm2) Cable is fixed to the luminaire to ensure watertightness.
Max. cable length	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)	The 10M cable can be extended to a maximum of 100 meter (7x2,5mm2)
Wattage	25W	25W
Lumen efficacy LED	Warm white: 115 Lm/W Clear white: 135 Lm/W	Warm white: 115 Lm/W Clear white: 135 Lm/W
Colour temperatures	Warm white Clear white Mediterranean	rgbw clear white rgbw warm white
Beam angle	Wide flood	Wide flood
Max. water temperature	40°C	40°C
Water Cooling	On the backside of the luminaire is necessary	On the backside of the luminaire is necessary
Applications	Residential pools, instruction pools	Residential pools, instruction pools
Driver input/output	100-240 Vac / 24Vdc	100-240 Vac / 24Vdc
Driving technology	0-10 Vdc (dimming)	DMX 512
Working temperature power box	-20°C to + 40°C	-20°C to + 40°C
Protection rating power box	IP65 housing - installed in technical room	IP65 housing - installed in technical room
Protections power supply	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation	Short circuit, overload, overvoltage, SELV, Class 2 output, double insulation
Dimensions Power Box	Length 230 mm, width 80 mm depth 65 mm	Length 230 mm, width 80 mm depth 65 mm
Safety standard compliancy	IEC EN 60598-2-18	IEC EN 60598-2-18
Warranty	4 years	4 years

EVAstream Move specifications

All models

	EVAstream Move 225	EVAstream Move 275
Recommended use	Recreational swimmer	Experienced swimmer
Configuration machine	Single-engine machine	Single-engine machine
Minimum pool dimensions	4,5 x 2,5 meter (lxb)	4,5 x 2,5 meter (lxb)
Water temperature	5°C to 35°C	5°C to 35°C
IP rating	IPX8	IPX8
Weight (incl. battery)	37 kg	37 kg
Water flow capacity	45 - 225 m3/h (adjustable flow)	55 - 275 m3/h (adjustable flow)
Volume displacement	1,1 - 5,5 m/s	1,3 - 6,7 m/s
Max. waterflow speed swimzone	1:40 sec. per 100 meter	1:25 sec. per 100 meter
Minimum pool dimensions	4,5 x 2,5 meter (lxb)	4,5 x 2,5 meter (lxb)
Noise level	31 dB	31 dB
Warranty	2 years factory warranty turbine + MCU	2 years factory warranty turbine + MCU
Motor Control Unit		
Control input	DMX 512	DMX 512
Output Motor PMSM 3x DC	RPM range 20-100%	RPM range 20-100%
IP rating	IP 20	IP 20
Working temperature	-20°C to 32°C, dry and condensation-free area	-20°C to 32°C, dry and condensation-free area
Safety measures	EVA Torque control, Voltage/current control, Mosfet temperature control	EVA Torque control, Voltage/current control, Mosfet temperature control
Battery		
Battery type	Li-ion NMC 8S 30Vdc 45A	Li-ion NMC 8S 30Vdc 45A
Swimming time	60 minutes at full speed use	60 minutes at full speed use
Warranty	1 year on the battery	1 year on the battery
Battery charging time	4 hours	4 hours
Battery weight	10,9 kg	10,9 kg
Battery dimensions	26.5 cm x 7.3 cm x 41 cm (l x b x h)	26.5 cm x 7.3 cm x 41 cm (l x b x h)
Chemical composition	Lithium-ion (NMC)	Lithium-ion (NMC)
Battery voltage nominal	30 volts	30 volts
Capacity	45 ampere hours	45 ampere hours

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