

Next generation UVC LED water disinfection

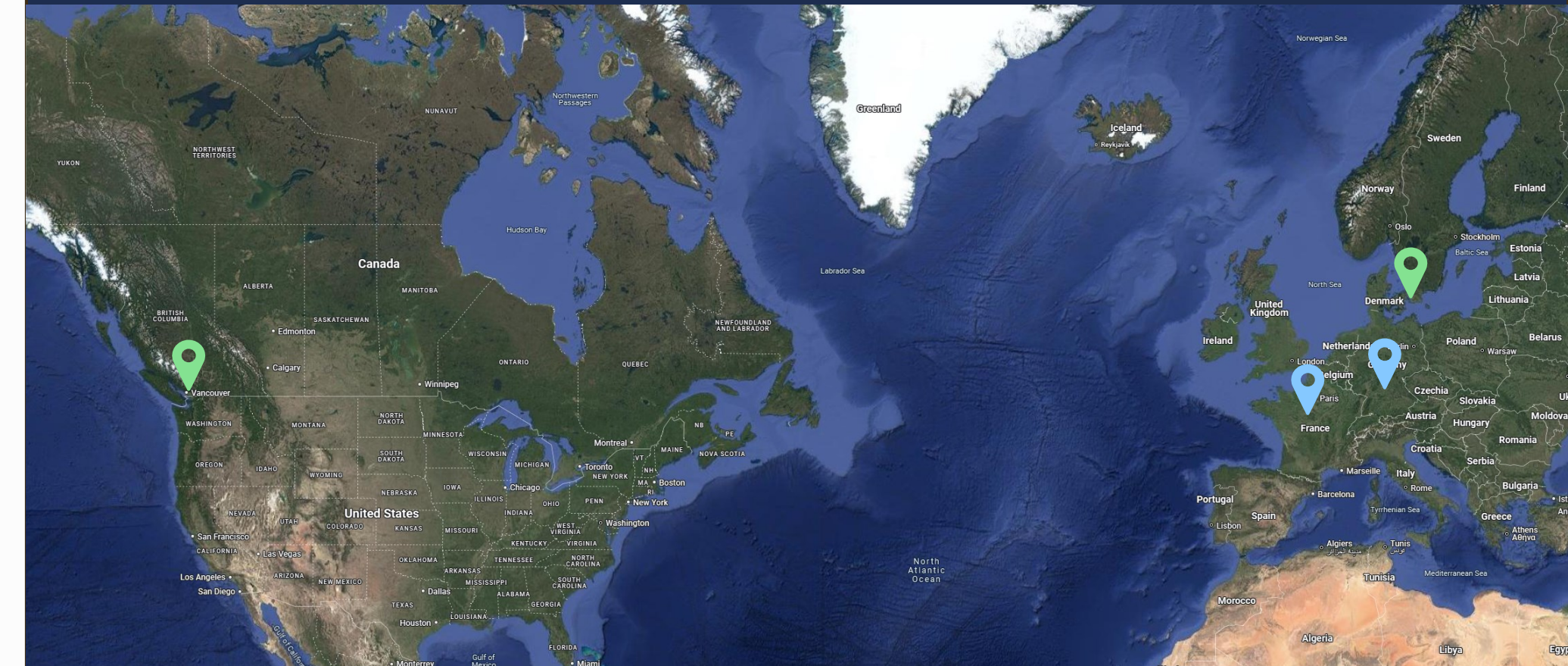
2025-06-03

Watersprint

Watersprint at a glance

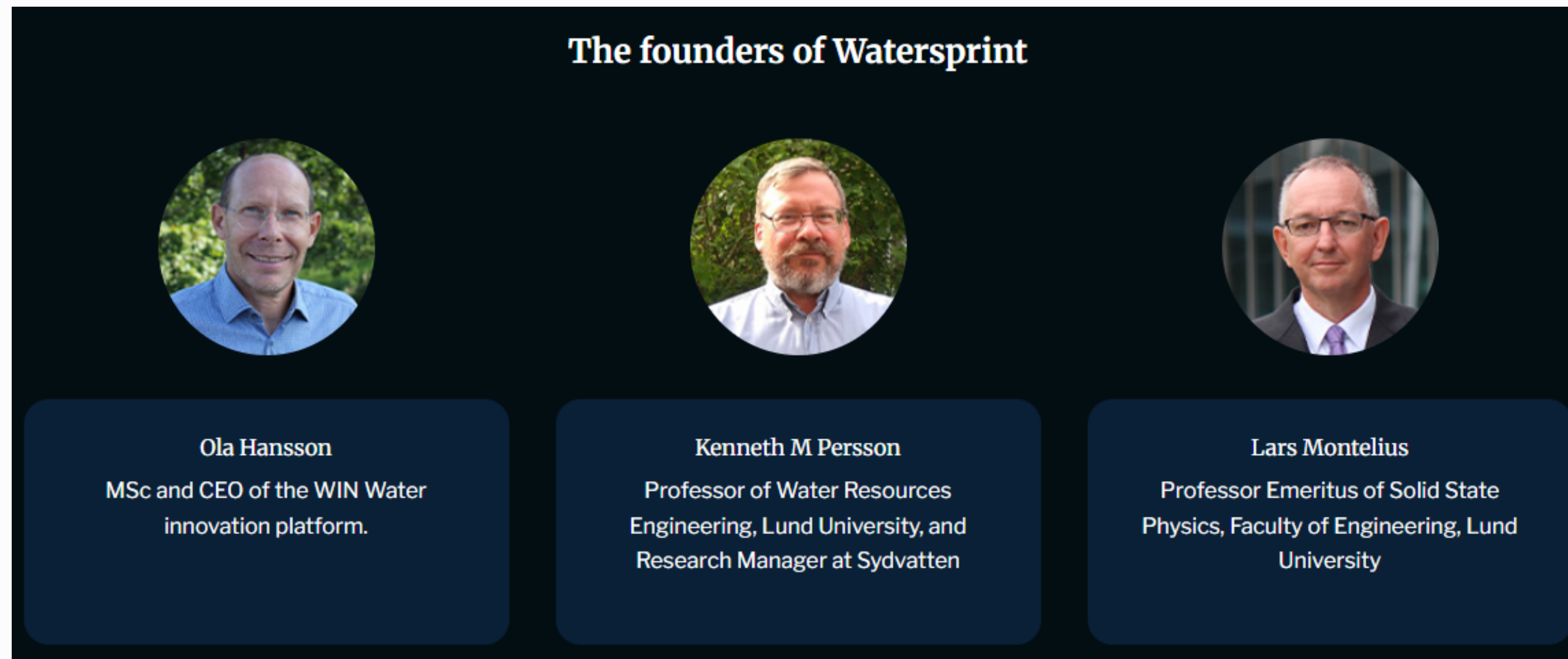
Leading UVC LED system development

- Head office in Lund, Sweden and office in Vancouver, Canada
- Expanding sales organization, currently we have sales personnel in Sweden, Canada, France and Germany
- Geographical focus is Europe and North America but we have customers on all continents
- Flexible supply chain with high capacity - sourcing mainly from Europe with final assembly sites in Sweden (outsourced) and Canada (in-house)
- Acquired Acuva Technologies in 2024



“Watersprint aim to become the global leader in UV-disinfection of water and other fluids.”

Meet the Swedish pioneers who revolutionized water purification



A dedicated team

Highly engaged team with strong academic background and experience from both large high-tech corporations and small development companies. The team has since 2014 developed world-class know-how on UVC LED reactor design.



Brand Portfolio



Premium products with modern design.



Premium products with conventional design. "IntenseBeam" technology.



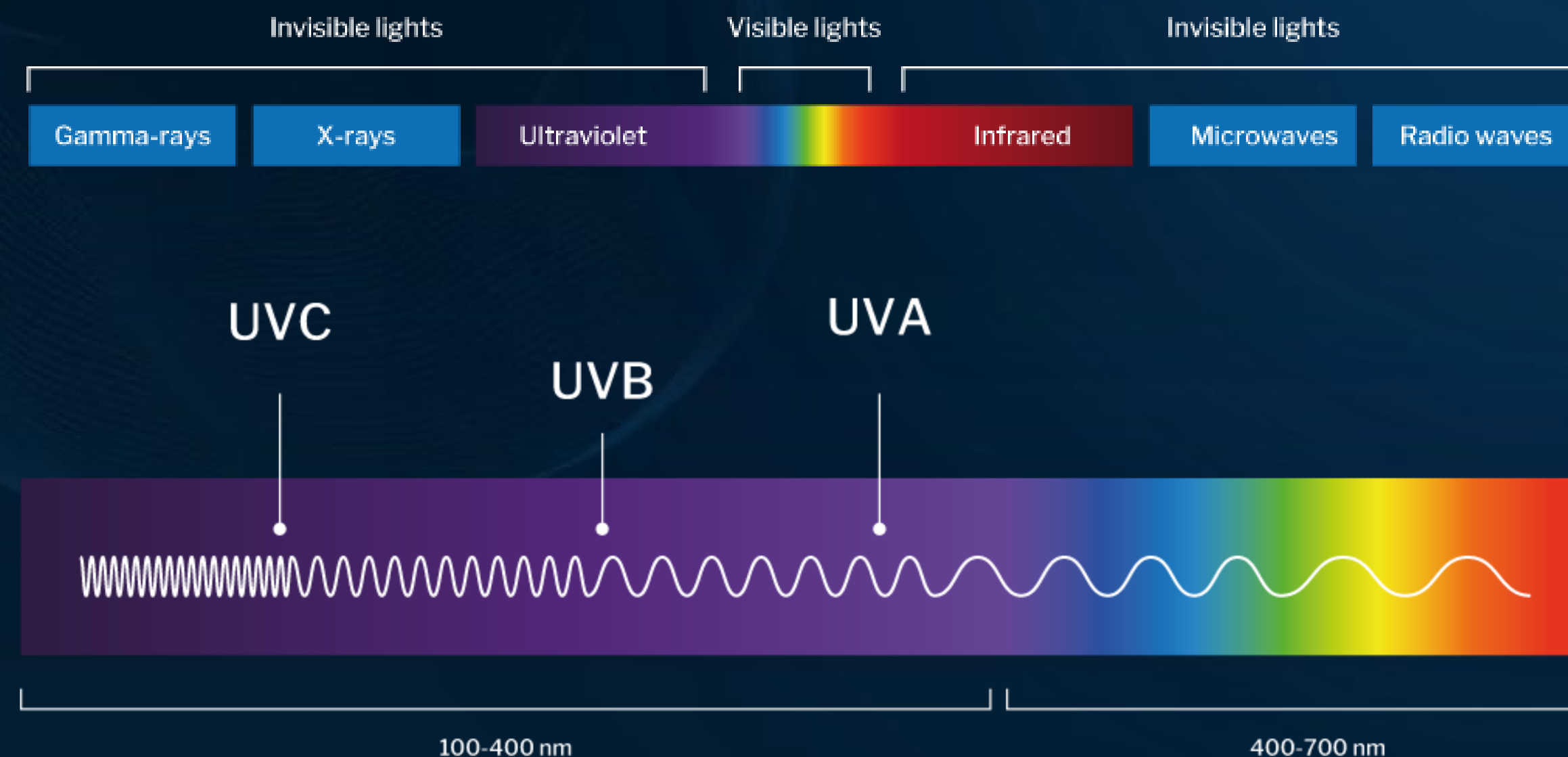
Medium range products with basic features and design.

Technnnology

UVC light and UVC LED

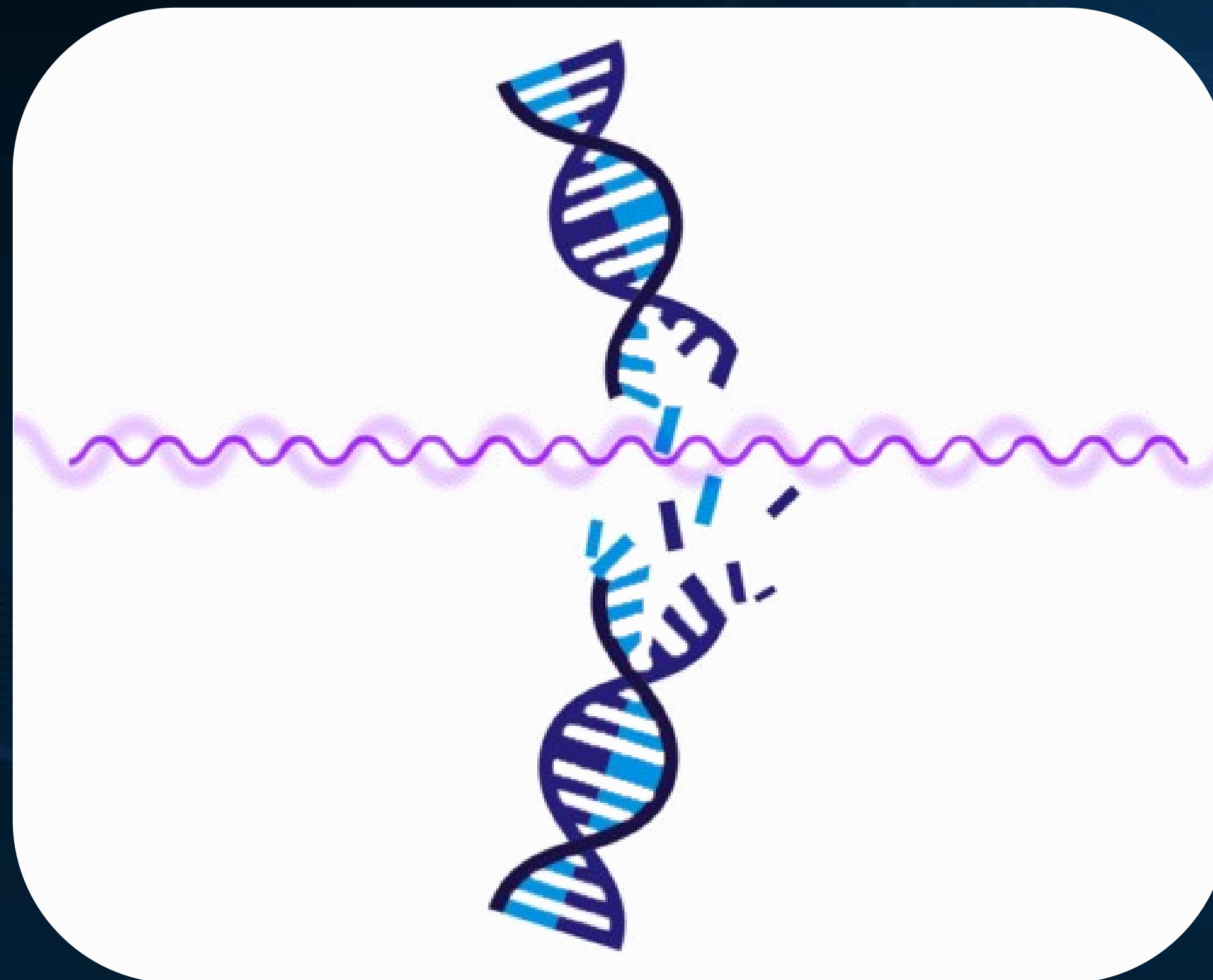
Ultraviolet light has a wavelength between 100-400 nm. UVC-light or shortwave UV-light is defined between 100-280 nm.

UVC LED is a new lightsource for UVC-light, compared to conventional mercury bulbs. UVC LEDs are very narrow banded, and LEDs commercially available for disinfection today are between 265-280 nm.



The mechanism behind UVC disinfection

UV-disinfection typically utilize a 250-280 nm radiation to inactivate microorganisms by destroying the nucleic acids and disrupting their DNA, rendering them unable to perform vital cellular functions.



- LED Technology Benefits

- Mercury free = Future proof
- Instant disinfection
- Unlimited power cycles
- No heating of water

- Economic Benefits

- Easy In-line installation
- Long life cycle, low maintenance
- Low energy consumption
- Easy light-source replacement
- Durable design

- User Benefits

- Compact modern design
- Compact installation
- User friendly
- Material friendly = No UV-emittance
- NSF 55 Class B – Validated performance



**Microbially
safe water**

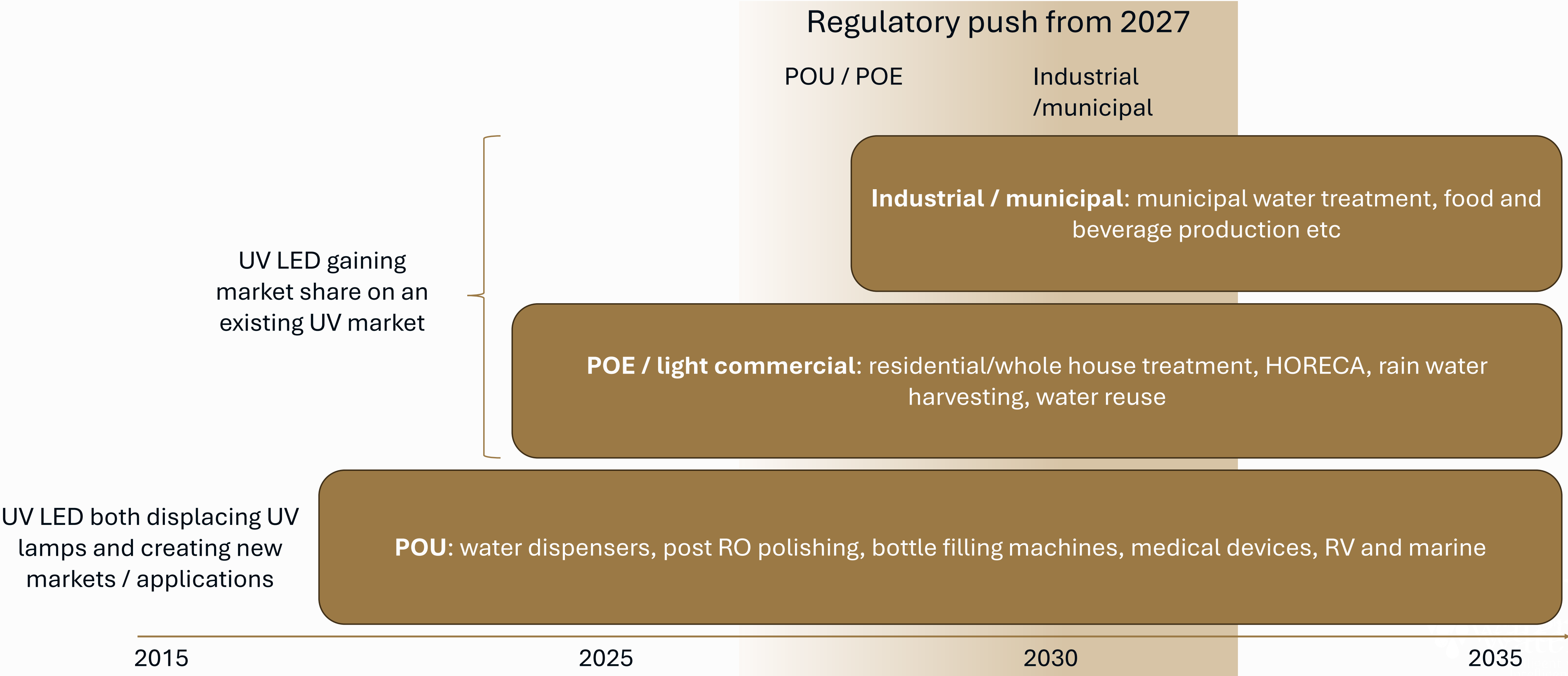


**Free from
mercury**



**Energy
efficient**

Development of UVC LED for water disinfection



Growth drivers of UV LED water disinfection

vs. fluorescent lamps

- Economic advantages, e.g. favorable TCO
- Functional/technical advantages
- Regulatory drivers – carrot and stick
- Desire to be sustainable

New UV applications

- Added safety (insurance psychology)
- Added value of overall product/system/offer (UV LED integration)

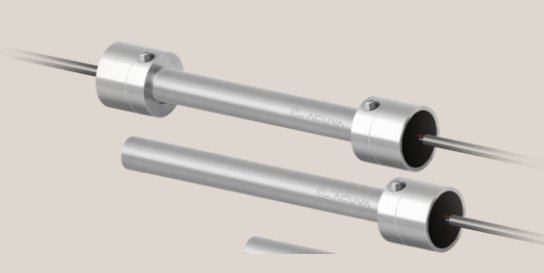
Technical

- LED device efficiency increasing exponentially
- LED device cost is dropping with increased volume
- Optimized systems – reactor efficiency and manufacturing cost





Key applications and markets

	Product	Applications	Flow rate	UV-dose	Features
	Acuva Strike I & II	PoU – OEM-integration Water dispensers, Ice/Coffee machines	1 or 2 l/min	16 mJ/cm ²	4-wire control, ”intense beam”
	Acuva ArrowMAX Explore 2	PoU – Consumer RVs, Caravans and Boats	2 l/min	16 mJ/cm ²	Easy retrofit, pre- filter & faucet included.
	Watersprint Solo [®] 40 FS	PoU – OEM & Consumer Water dispensers, Boats, Post-RO	10 l/min	16 mJ/cm ²	Easy retrofit, in-line installation.
	Watersprint Solo [®] Nautic II	PoU – Consumer Boats	10 l/min	16 mJ/cm ²	Pre-filtration included, in-line installation
	Azure Bolt I&II	PoU – OEM-integration Water dispensers	1,4 or 2,8 l/min	16 mJ/cm ²	4-wire control.
	Watersprint Core [®] 20 & 40	PoE – Consumer Whole house water disinfection	30 or 60 l/min	16 mJ/cm ²	See presentation

What is the
typical application

Point of Use

Safe taps



Legionella
control



Water dispensing +
HoReCa
+ Post RO and more



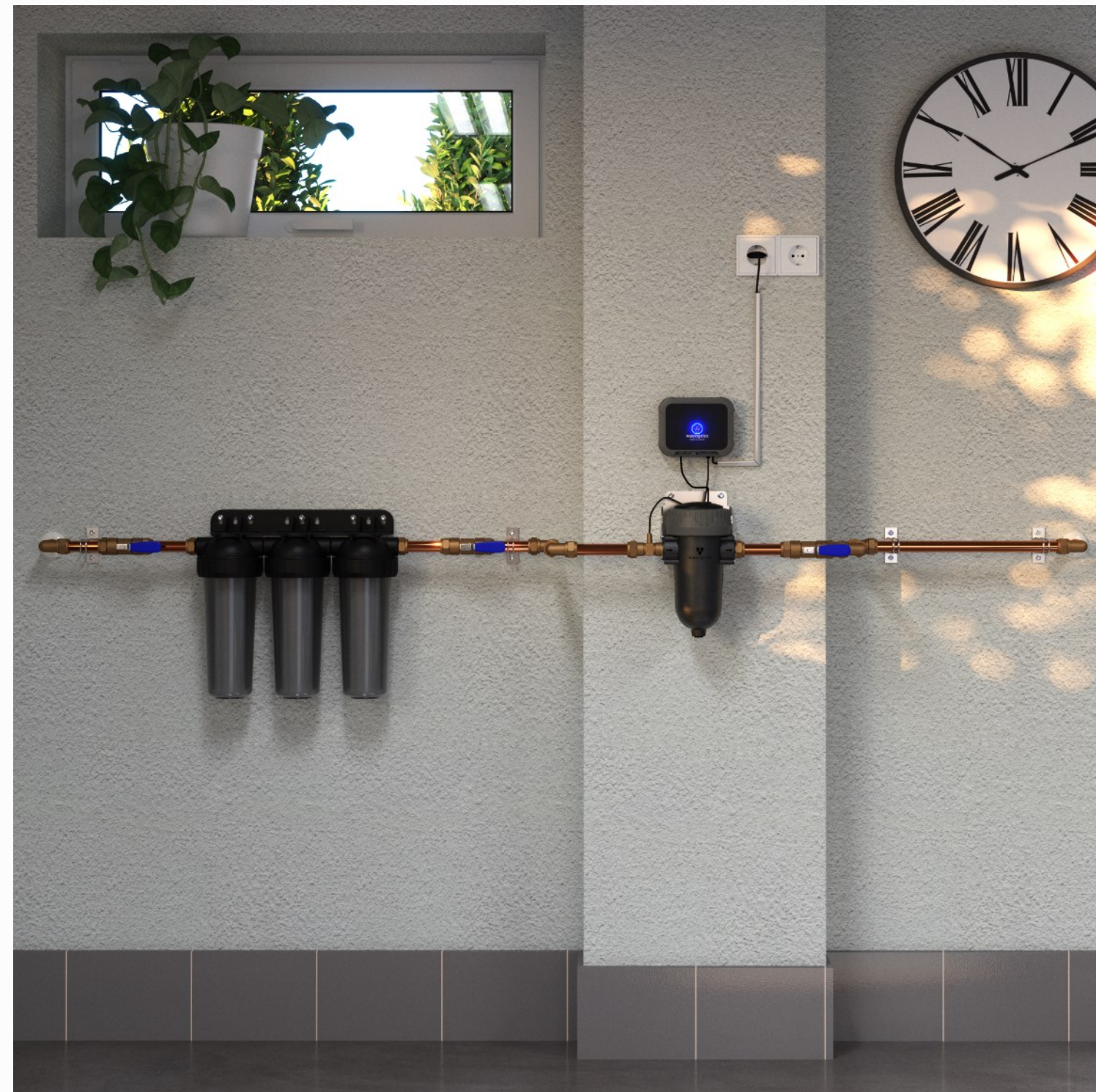
Motorhomes + Marine



What is the
typical application

Point of Entry

Whole house water disinfection, Rain water harvesting,
Light industrial applications



Watersprint Core®



Watersprint Core®

Model	Watersprint Core® 20	Watersprint Core® 40
Release date	Taking orders	Taking orders
Article number	WS-40-2421-01-01	WS-40-2441-01-01
Flow sensor	Yes	
Hygienic Pulsing™ Safety Feature	Yes	
Mechanical		
Dimensions	279 mm x 143 mm	
Weight	2,0 kg	
IP rating	IP21	
Electrical		
Input rating	100-240 VAC, 50/60 Hz	
Power consumption	52 W, standby mode <1W	
UVC LED replacement interval	3000 active hours ¹	

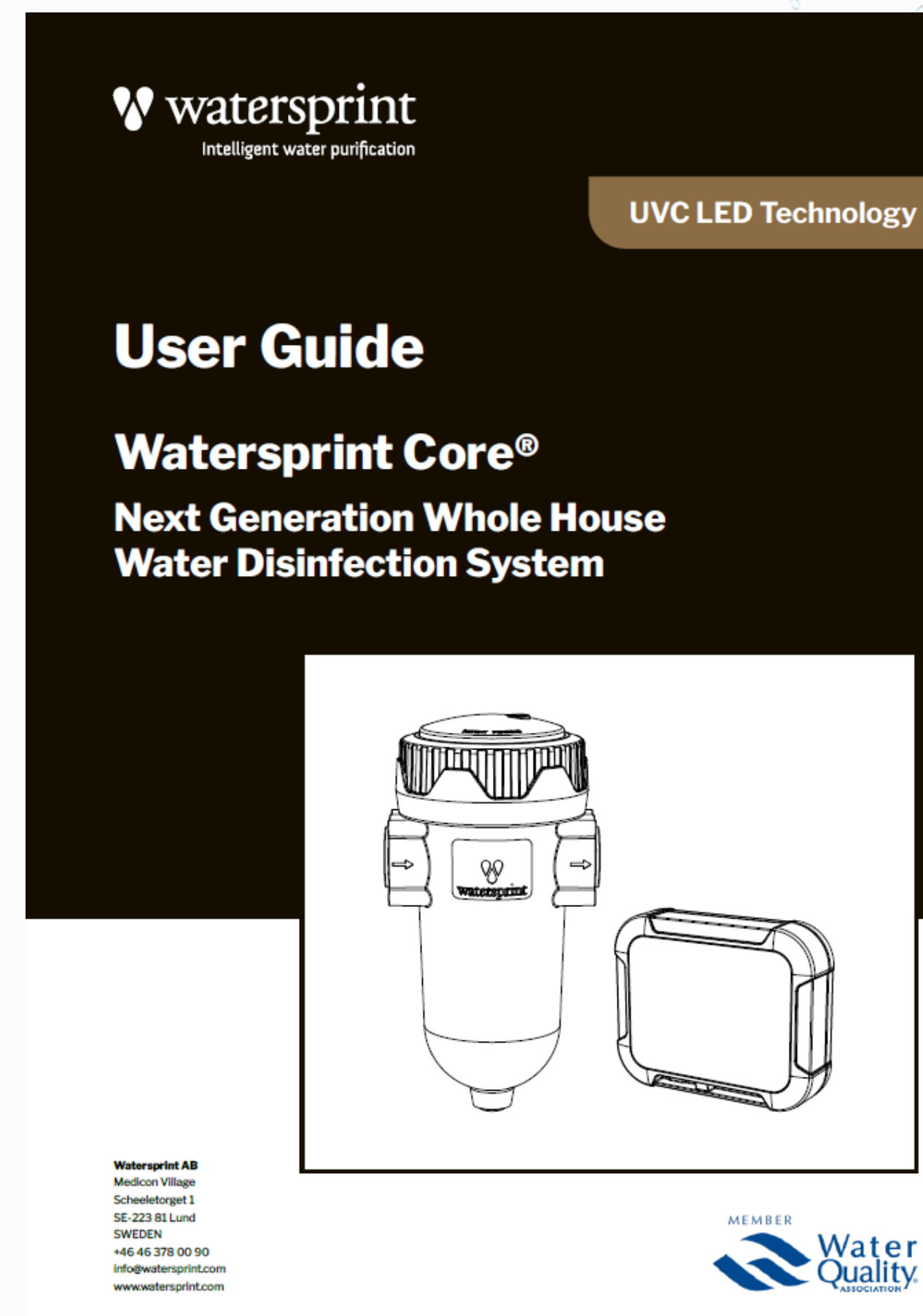
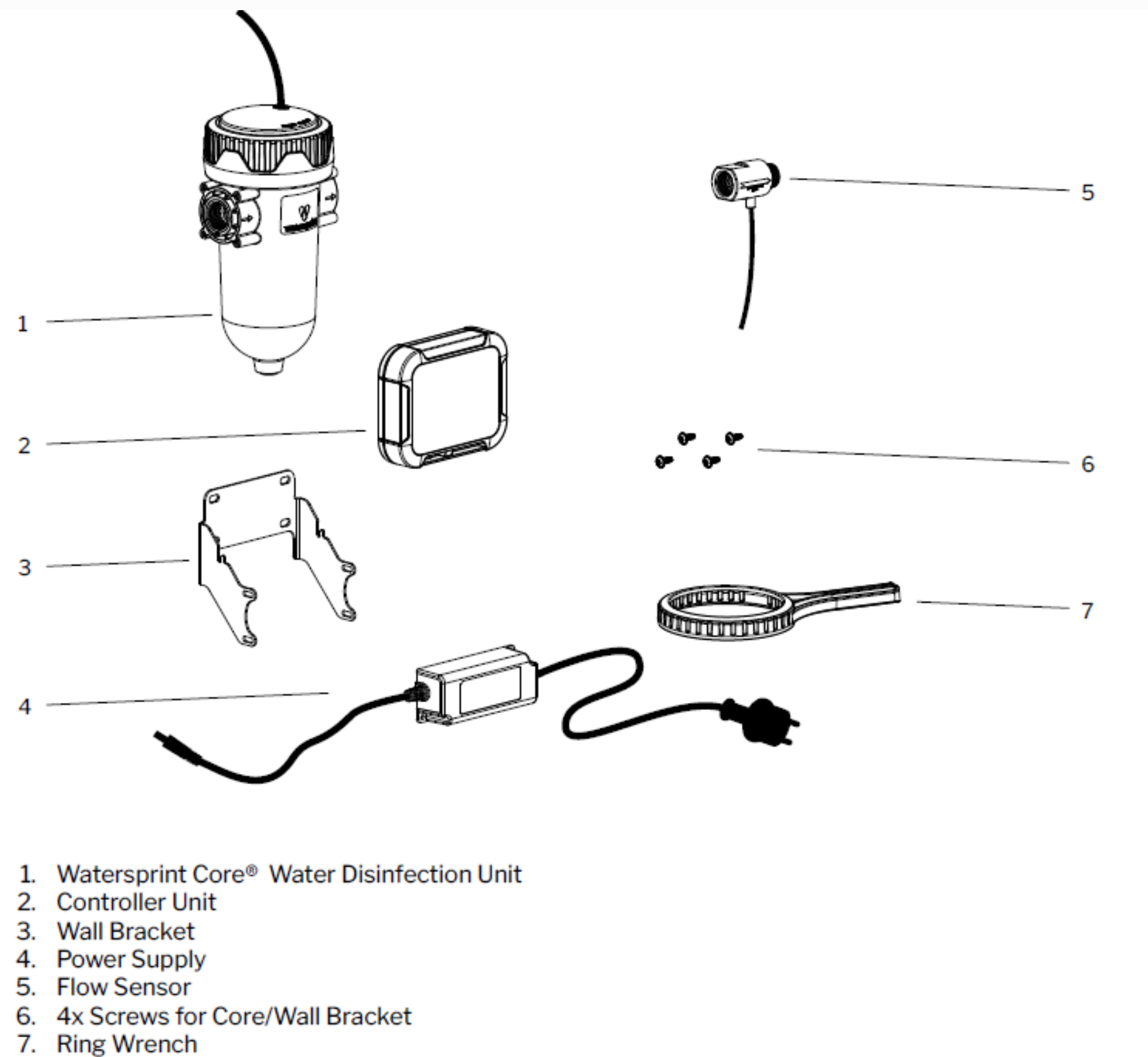
Performance ²	Watersprint Core® 20	Watersprint Core® 40
16 mJ/cm² @ 95% UVT	30 l/min	60 l/min
30 mJ/cm² @ 95% UVT	20 l/min	40 l/min
Max. flow rate	30 l/min	60 l/min
Operating conditions		
Water temperature	1-55°C	
Ambient temperature	1-40°C	
Max. water pressure	10 bar	



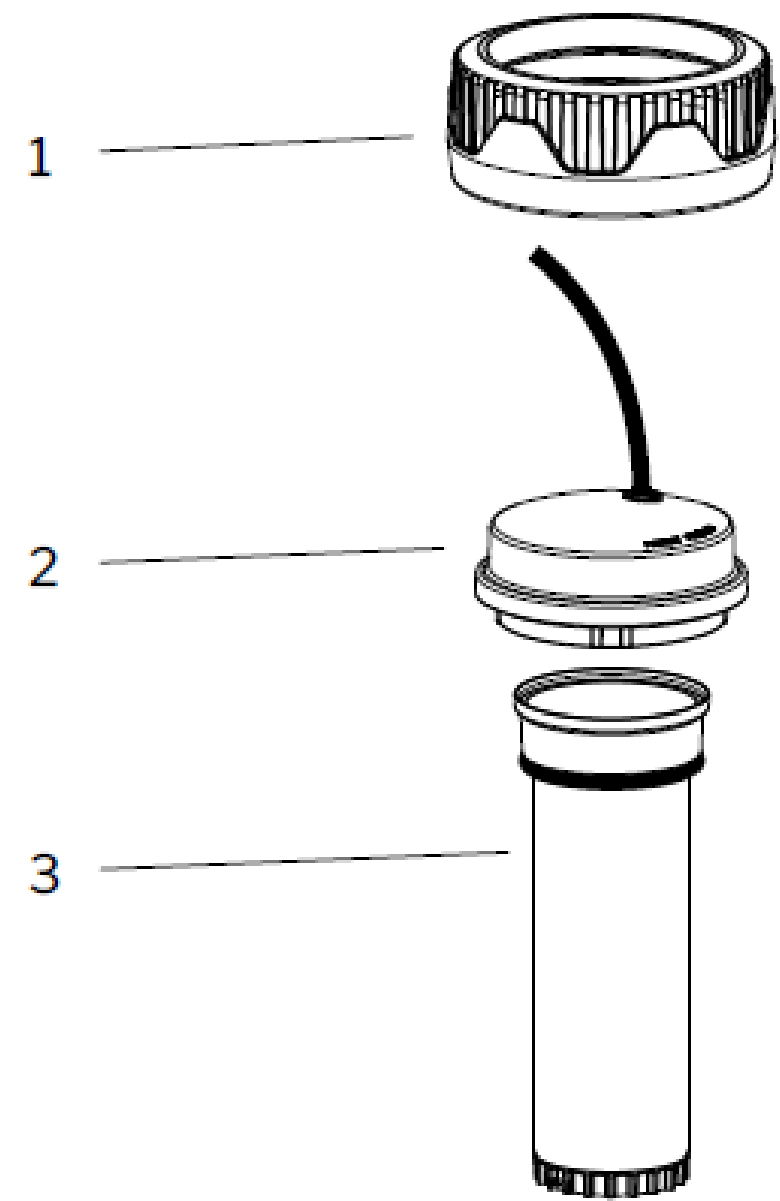
- Certification plan:
- NSF/ANSI 55 Class B– finalising testing
 - UK Reg. 4 – July 15, 2025
 - ACS – November, 2025

¹Equivalent to 5-7 years of normal usage for a household of four.
²Based on third-party validated bioassay.

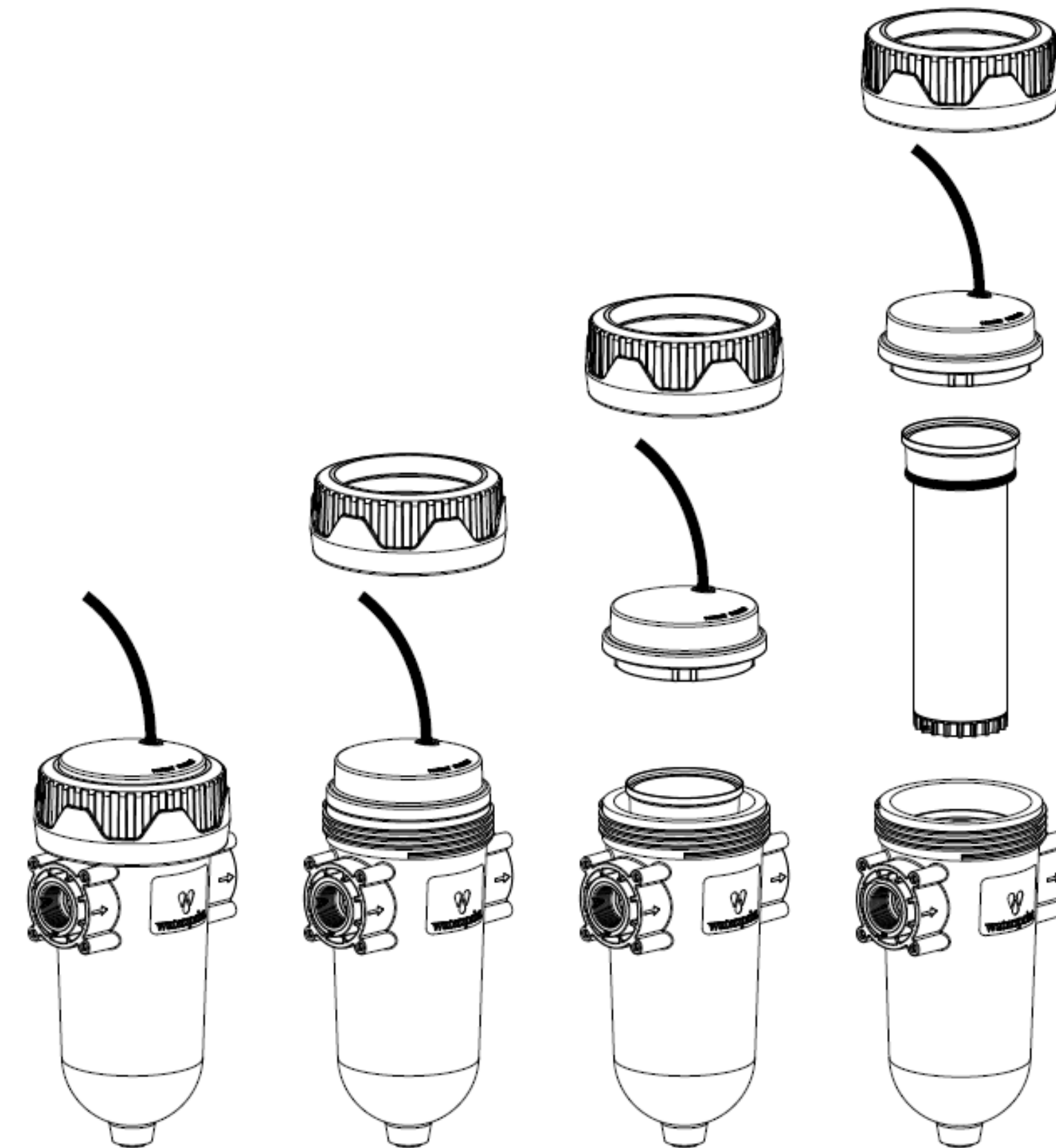
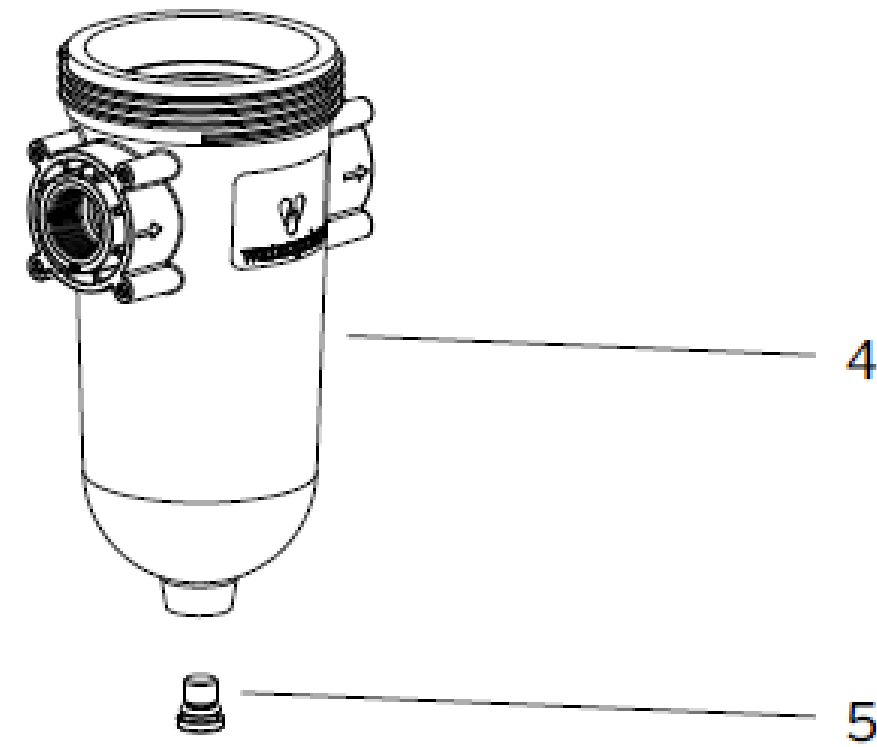
What's included in the box



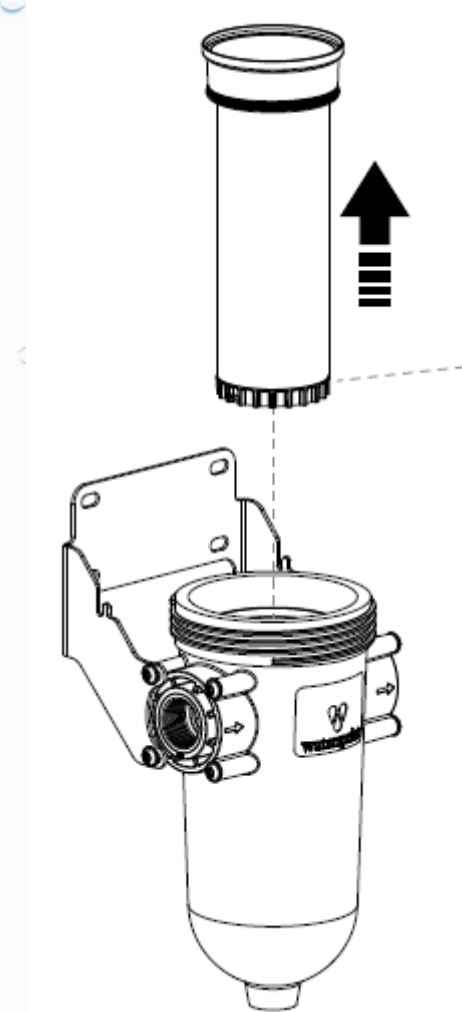
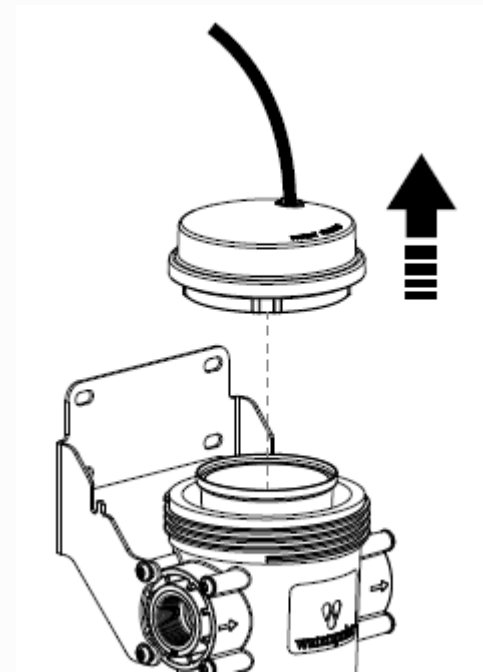
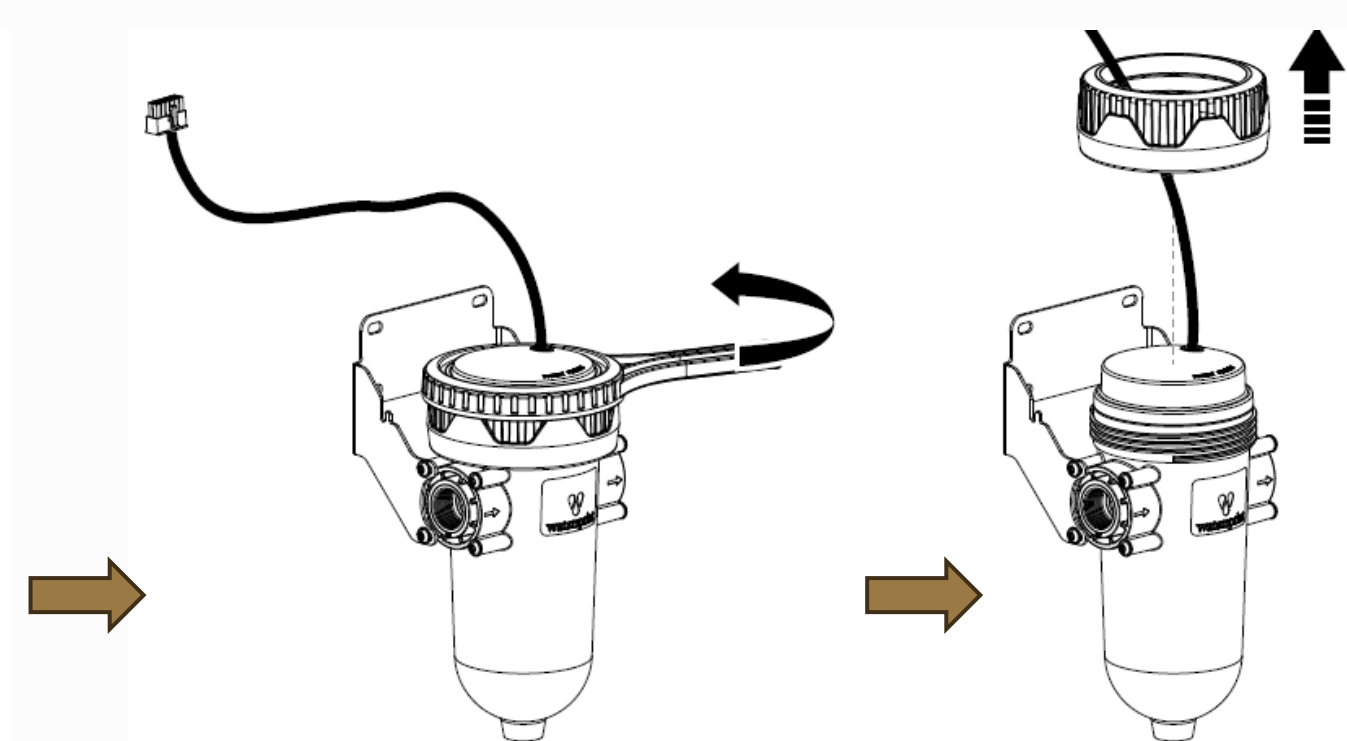
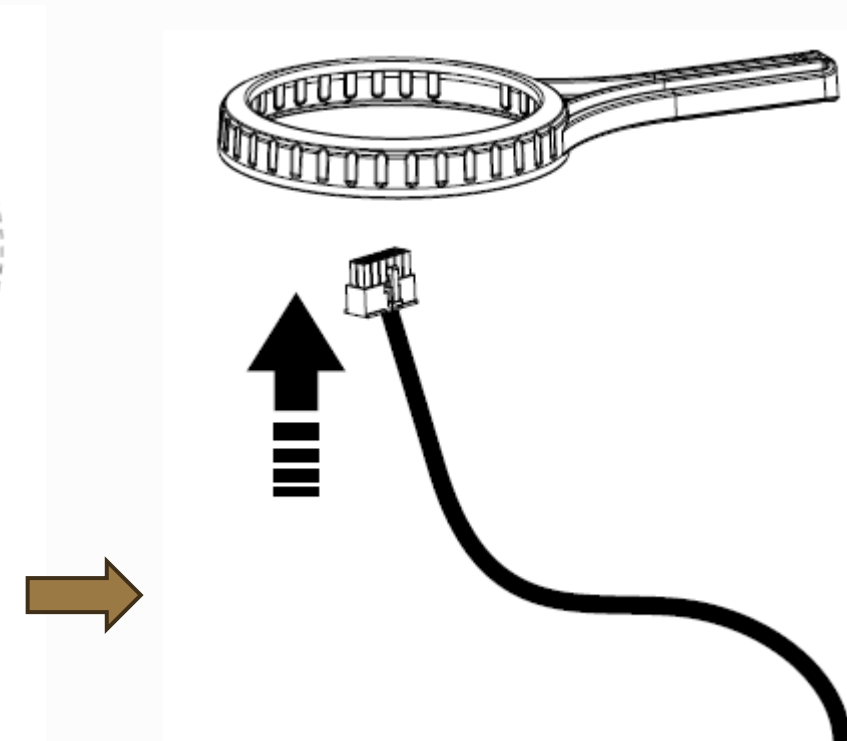
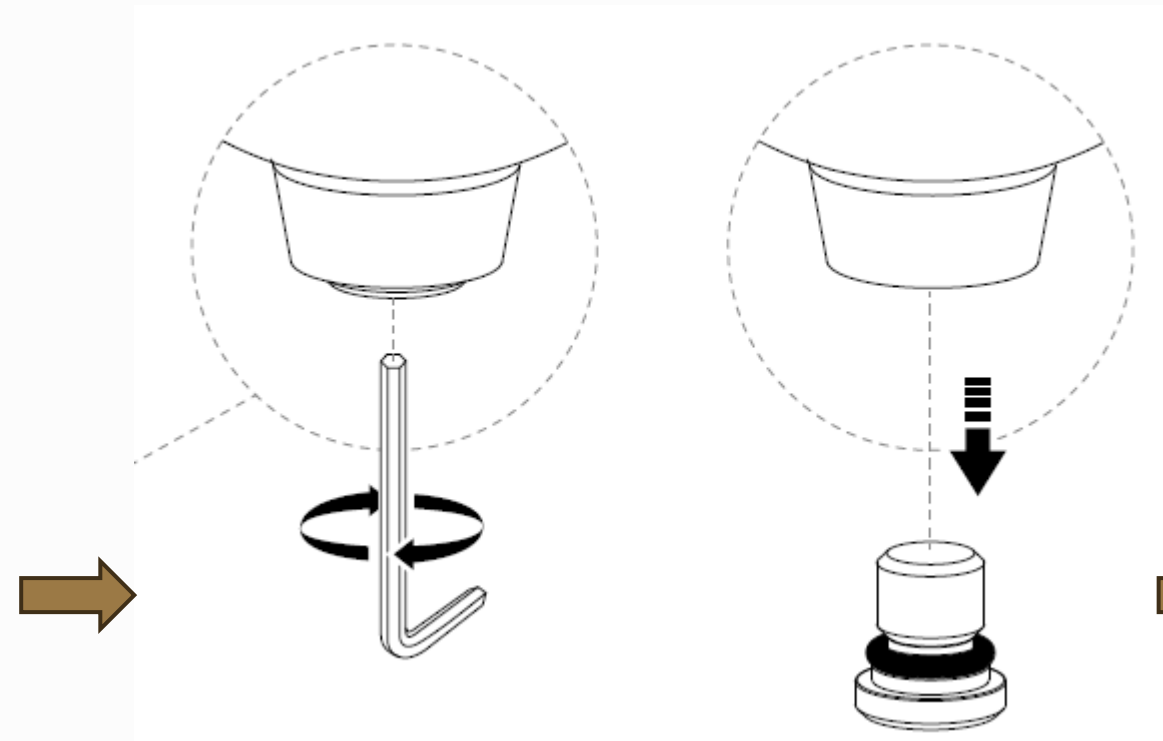
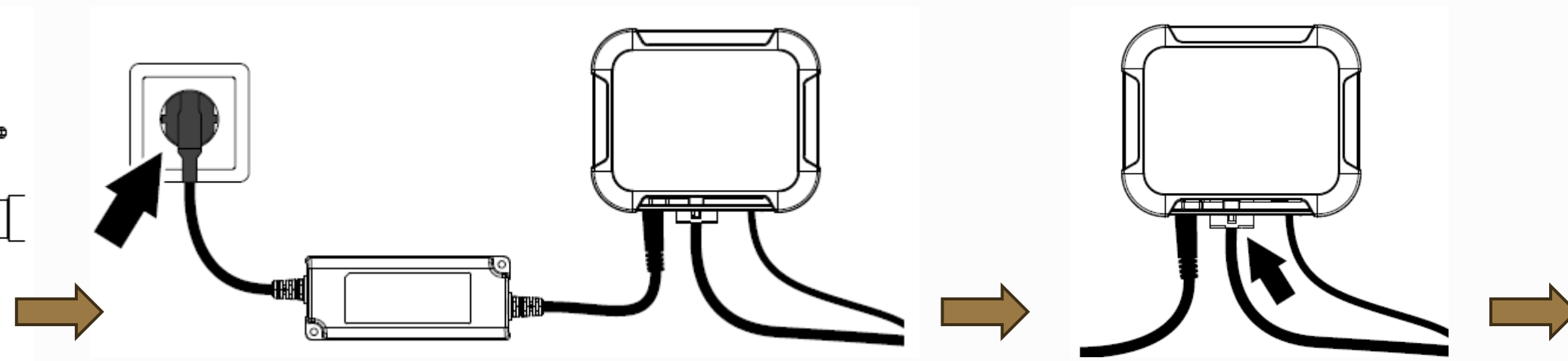
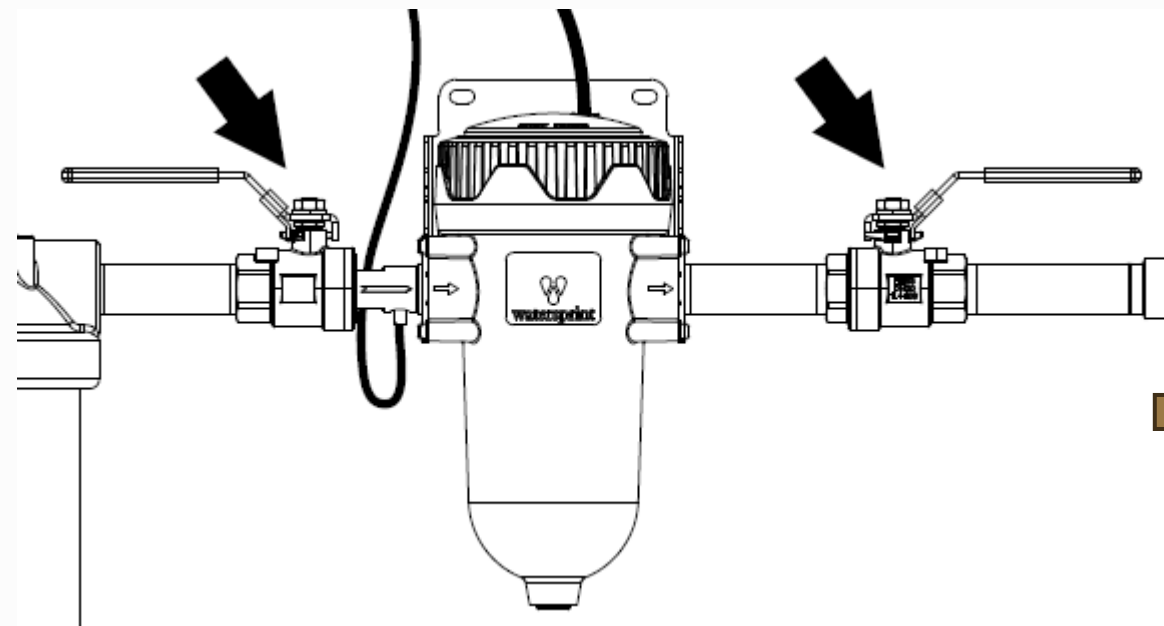
Components



1. Ring Nut
2. UVC LED Unit
3. Reflector Assembly



Maintenance



How to sell Watersprint Core®

Pitch

The Watersprint Core® is a hassle-free LED based UV disinfection system that does not contain mercury and provides you with safe water, long-term cost savings, superior performance and easy space-efficient installation – all while being better for your health and the planet.

Market questions

"It's more expensive"

Well, the upfront price is higher than a conventional UV lamp but the end-user will save money and maintenance effort during the lifetime of the product. We are happy to share out Total Cost of Ownership comparison.

"Great, but how fragile is the replacement parts?"

Due to LEDs, no fragile bulb or quartz glass is needed = less sensitive handling, shipping and very easy replacement.

"We see a lot of lower cost alternatives from Asia"

We are happy to perform comparison testing, but what we have seen so far is that low-cost alternatives neither deliver the required nor promised performance and are not comparable to validated or certified products

"How do we know that your performance is what you promised?"

We can present test reports from third party labs, but mainly we are certifying our products for performance.

"Recurring revenue will be lost"

The light source replacements are less frequent, but the value is higher. You could also sell regular maintenance (cleaning or replacement) of the internal UV reflecting surfaces.

"Recurring revenue will be lost"

Any replacement parts such as the light source or other replacement parts can only be purchased through Watersprint distributors so your replacement part sales are protected.

TCO example

- LED Technology Benefits

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- Economic Benefits

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- Low energy consumption
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- Durable design

- User Benefits

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- Compact installation
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safe water**



**Free from
mercury**



**Energy
efficient**

250 mm

400-800 mm





Hem / Shop / UV-anläggning / UV Viqua Arros / UV Viqua Arros 15

UV Viqua Arros 15

16125 kr

- 1 +

Lägg till i varukorg

16125 kr = 1466 €
Ex. VAT = 1172€

Arros 15



Luminor Blackcomb UV Units

SKU: LB5-103

€805.00

Tax Included

Ex. VAT = 655€

LB5-103

Quantity *

- 1 +

Add to Cart



**Blackcomb 13 GPM
Agricultural/Light Commercial
"NSF Class B Validated" UV
Sterilizing System**

List Price: €1,859.76

PART NO. LE-LB5-103B

Ex. VAT = 1513€



**Blackcomb 5.2 GPM Whole House
"NSF Class B Validated" UV
Sterilizing System**

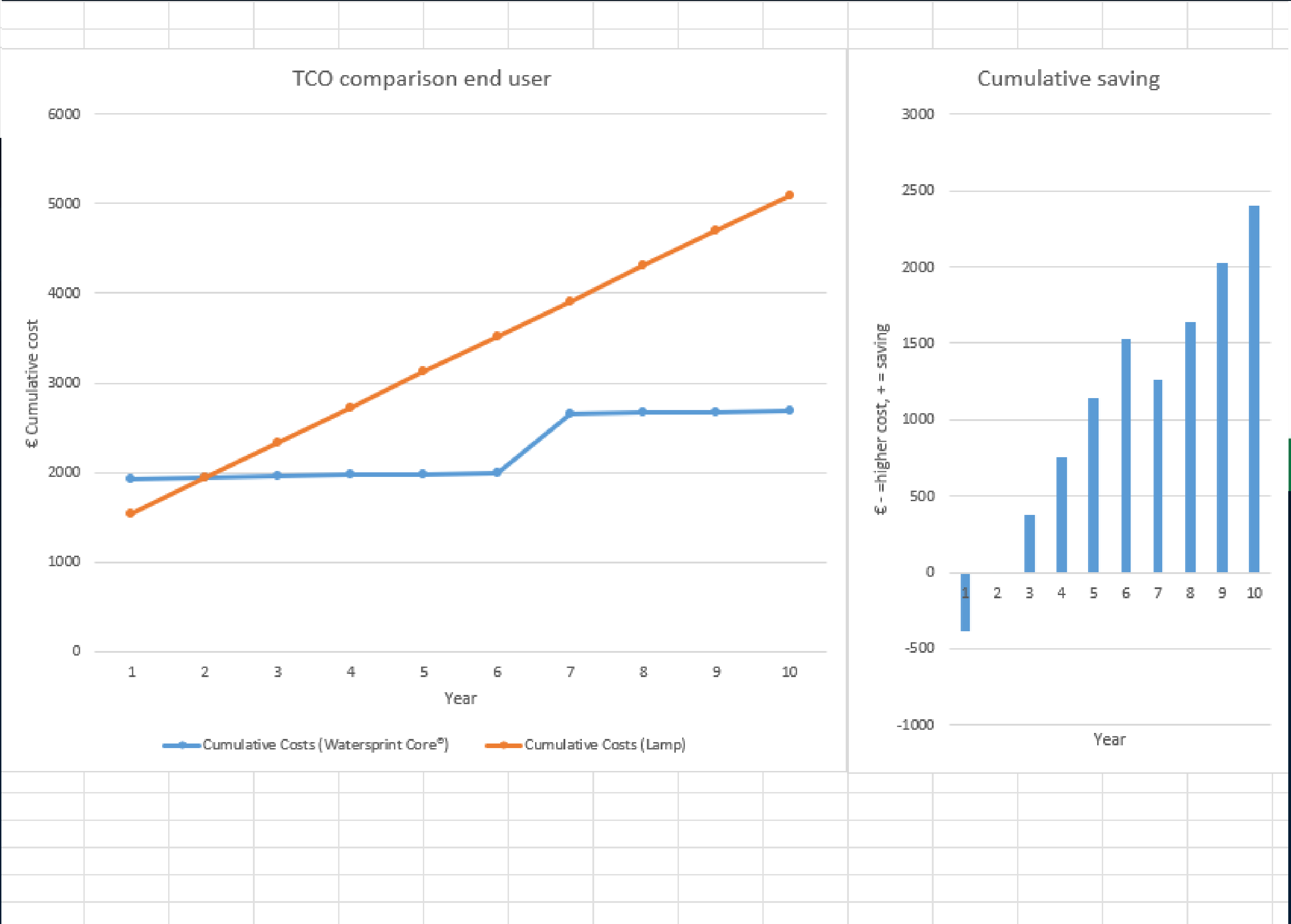
List Price: €1,328.40

PART NO. LE-LB5-033B

Ex. VAT = 1080€

Comparison products

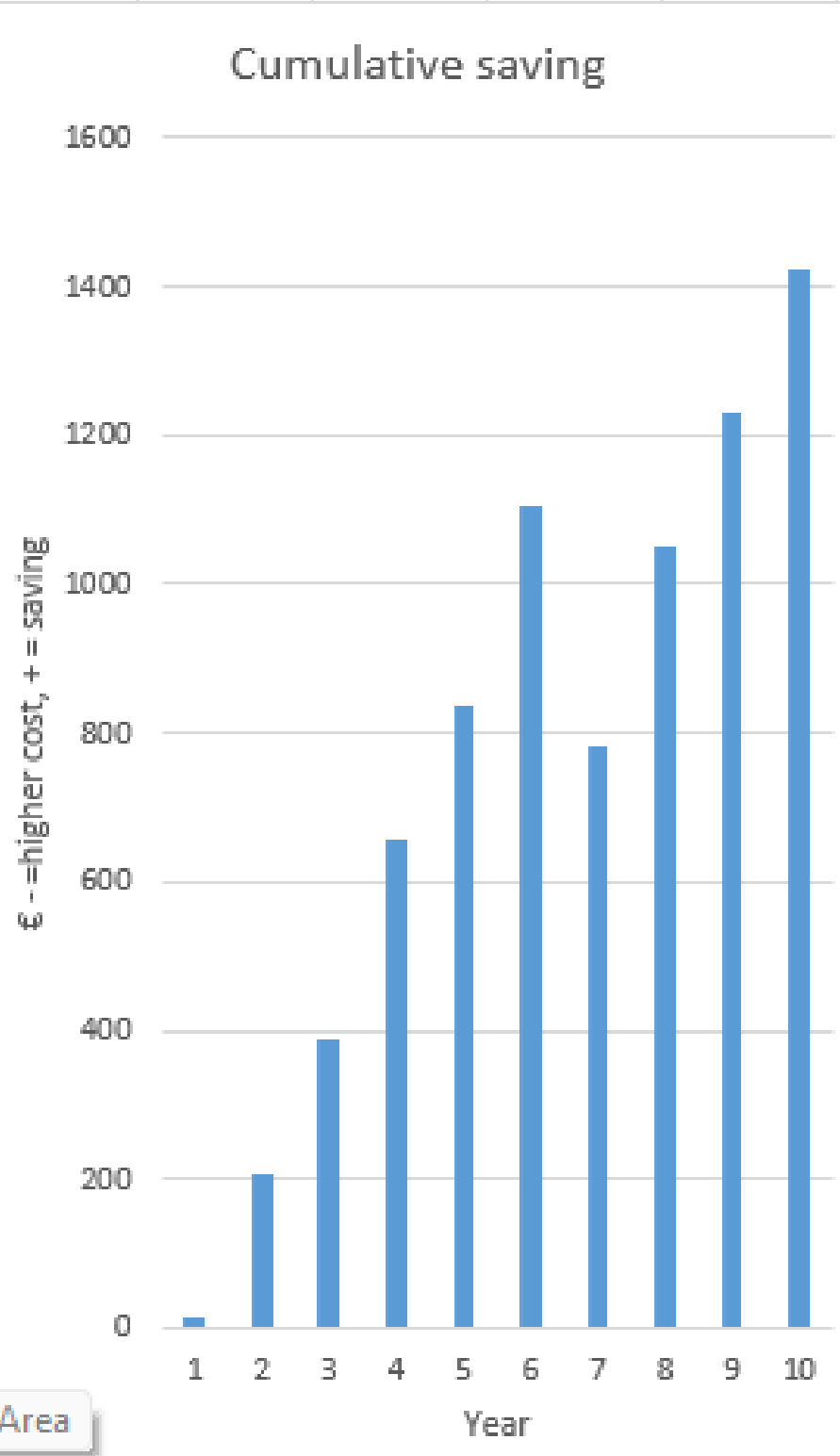
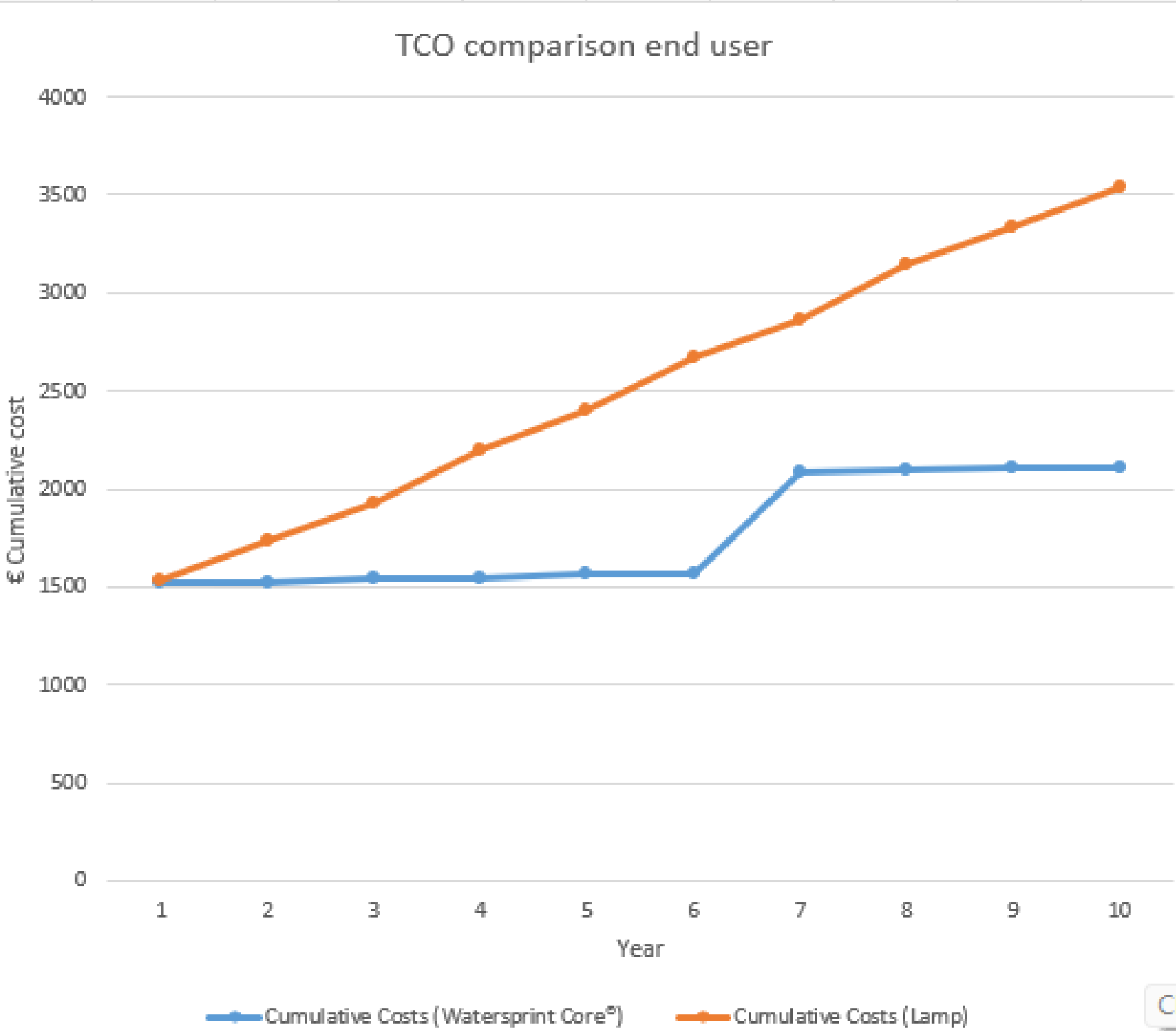
	WS Core® 40	UV Lamp
Costs		Arros 15
Initial Purchase Cost (EUR) + installation	1935	1545
Reflector/Quartz Maintenance Cost (EUR)	10	0
UVC Light Source Service Cost (EUR) + work	645	314



Arros compared to Core, the most similar design concept, No NSF Class-B, mercury based and heating the water.

Comparison products

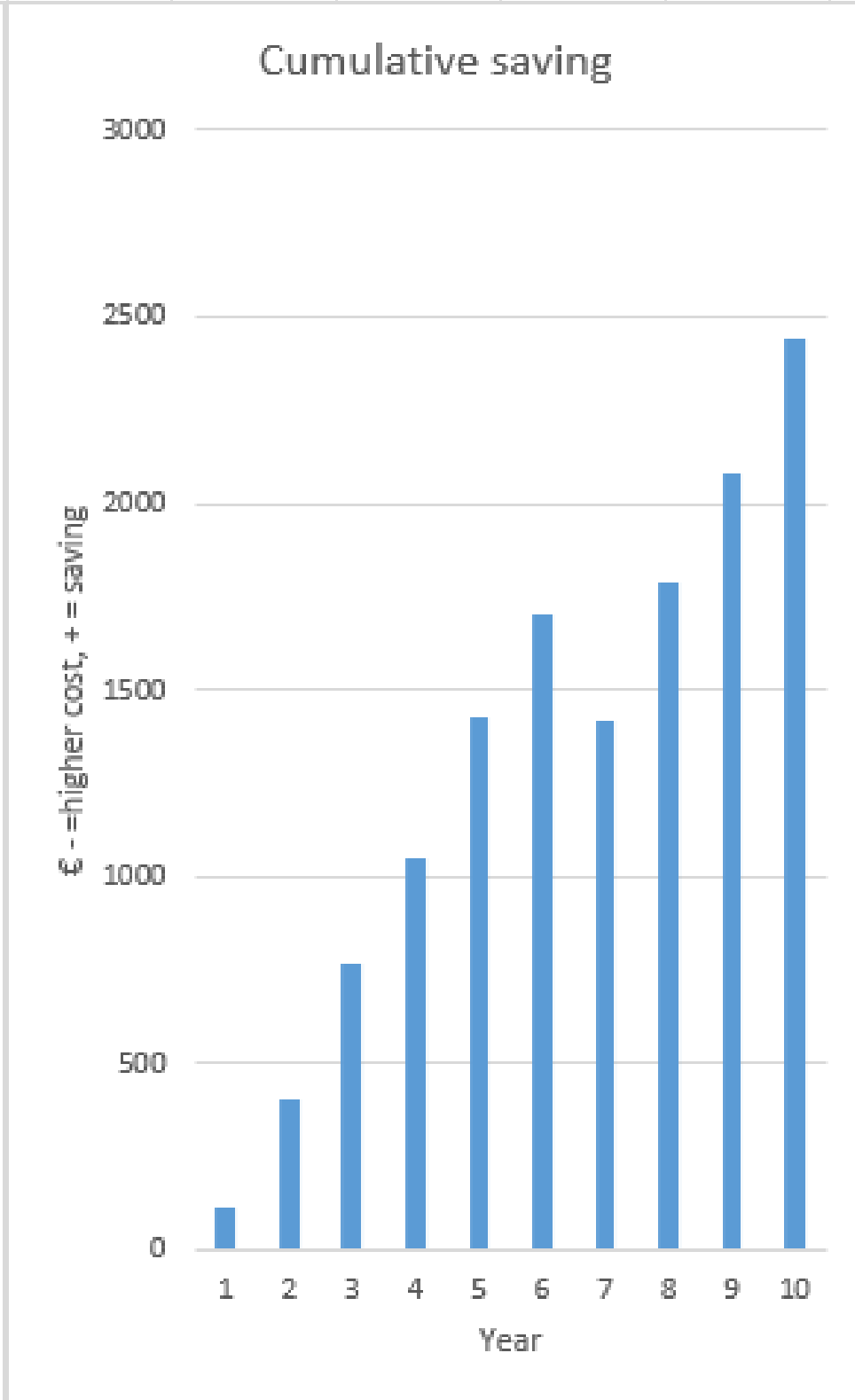
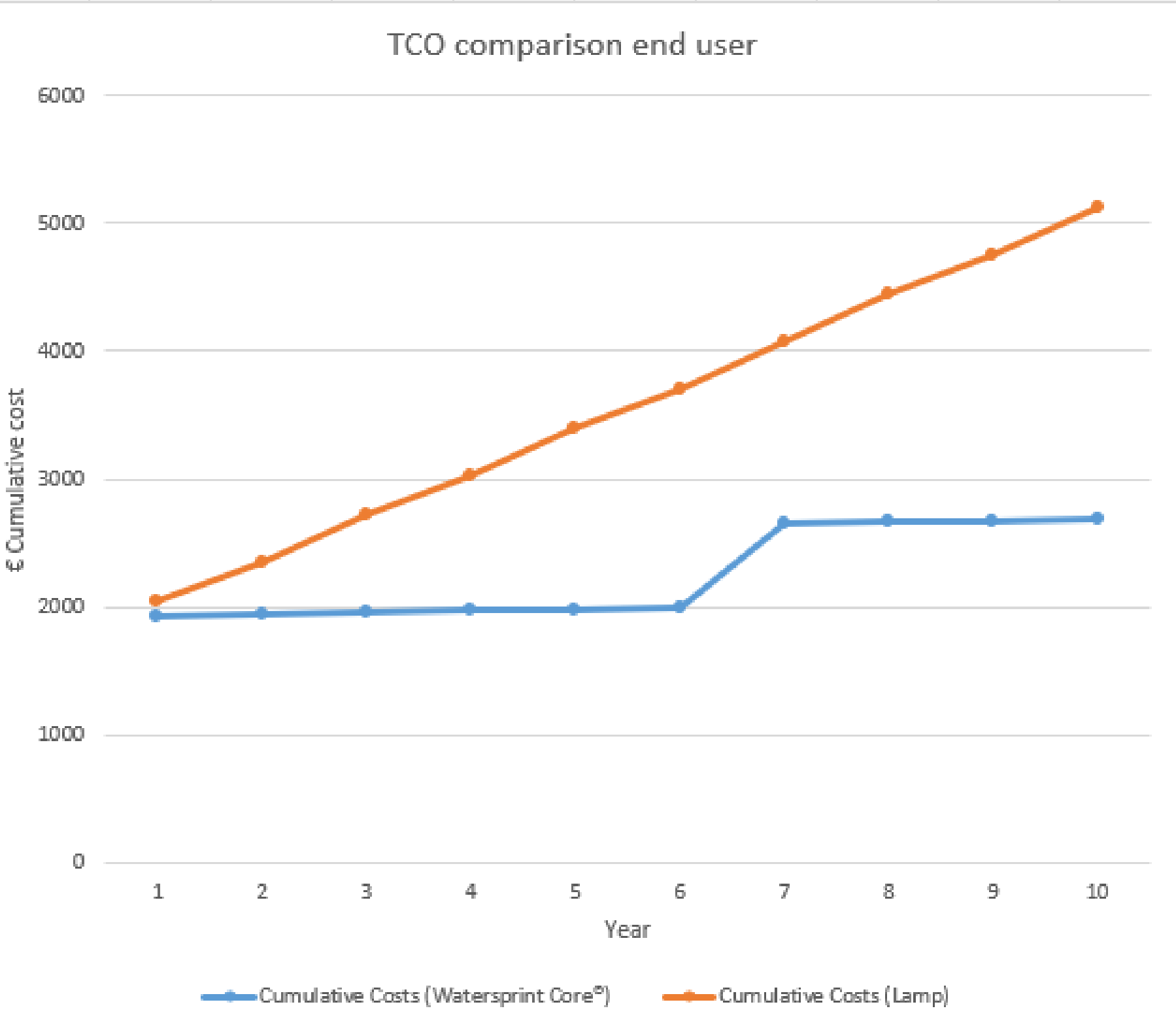
	WS Core® 20	UV Lamp
Costs		LB5-03B
Initial Purchase Cost (EUR) + installation	1519	1535
Reflector/Quartz Maintenance Cost (EUR)	10	75
UVC Light Source Service Cost (EUR) + work	502	162



5.1 B compared to Core, NSF Class-B Validated, but mercury based, heating the water and bulky installation.

Comparison products

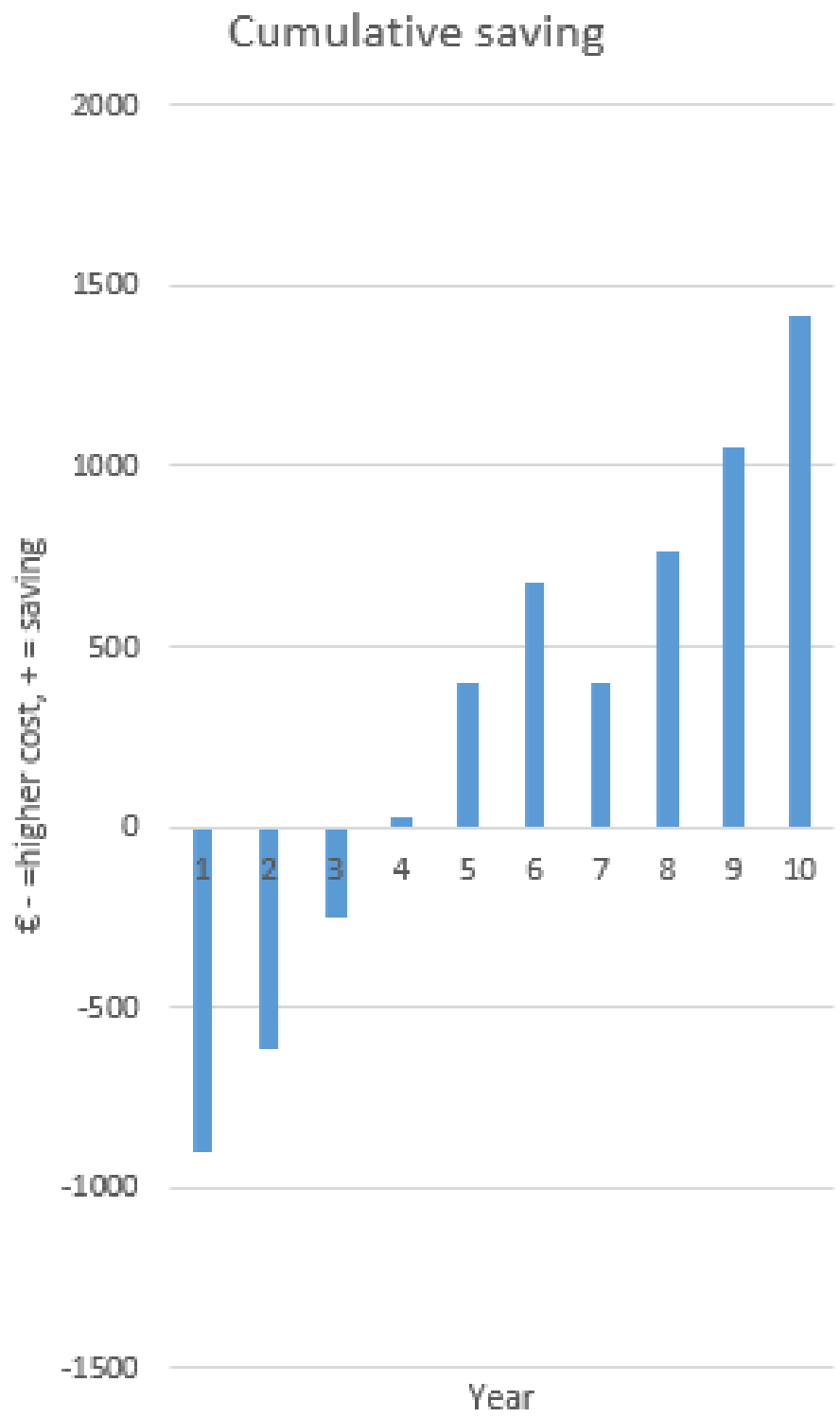
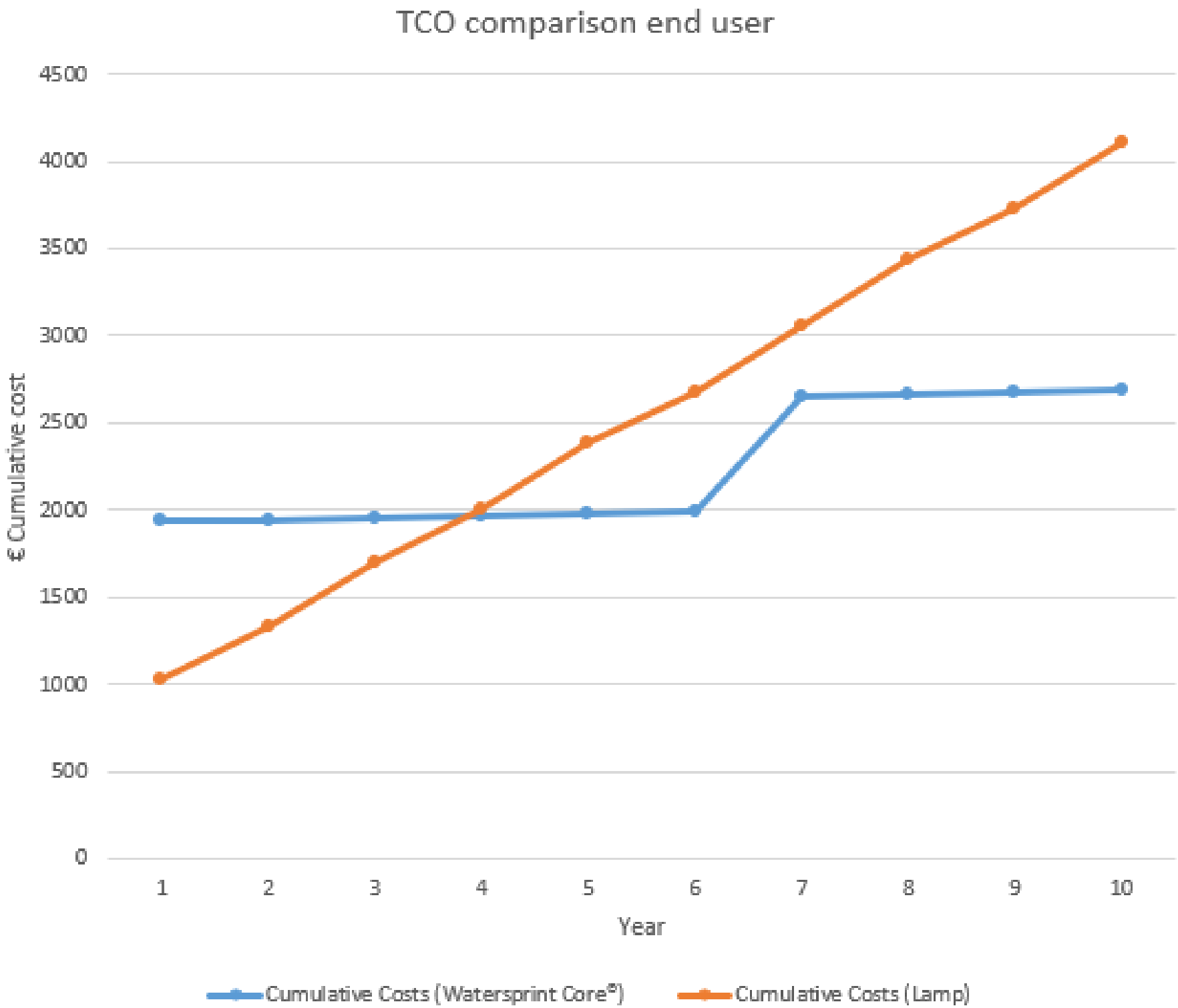
	WS Core® 40	UV Lamp
Costs		LB5-10B
Initial Purchase Cost (EUR) + installation	1935	2050
Reflector/Quartz Maintainance Cost (EUR)	10	83
UVC Light Source Service Cost (EUR) + work	645	210



5.1 B compared to Core, NSF Class-B Validated, but mercury based, heating the water and bulky installation.

Comparison products

	WS Core® 40	UV Lamp
Costs		LB5-10
Initial Purchase Cost (EUR) + installation	1935	1029
Reflector/Quartz Maintainance Cost (EUR)	10	83
UVC Light Source Service Cost (EUR) + work	645	210



5.1 compared to Core, No Class-B, mercury based, heating the water and bulky installation. Least comparable product.

How can we support?

- Marketing support

- Dealer information package
- Printed and digital material
- Product display
- Building Watersprint brand and Watersprint Core® across Europe

- Sales support

- Technical training
- Attending PWG events
- Unique selling points
- Wide product portfolio

- Technical support

- Support@watersprint.com
- Technicians available, remote or local



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Marketing Kit



Questions/Thoughts

Thank you!