

## UVC LED Technology

# Acuva Strike™ I & II

## Advanced UVC LED Disinfection Units for Easy OEM Integration

Acuva Strike™ I & II compact UVC LED units provide a highly efficient, maintenance-free solution for water disinfection. Ideal for OEMs, these units integrate seamlessly into various commercial and industrial applications, delivering reliable, on-demand performance while meeting the highest standards of safety and sustainability.

## High-Performance Disinfection

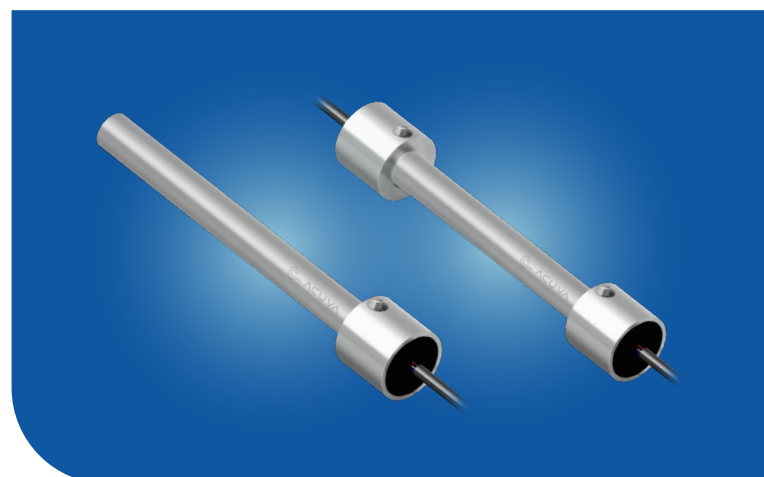
The Strike™ I & II compact UVC LED units offer a powerful and versatile solution for water disinfection. Powered by Acuva's IntenseBeam™ UVC LED technology, these units feature an ultra-compact form factor and patented Direct Cooling technology — eliminating bulky heat sinks and moving parts to streamline integration. The versatility and affordability of these systems makes them ideal for a wide range of commercial and industrial applications, such as point-of-use dispensers.

## Maintenance-Free Operation

Designed for minimal upkeep, the Strike™ I & II units operate on demand, activating the UVC LEDs only when water is flowing. This significantly reduces maintenance and optimizes energy consumption by preventing unnecessary wear and tear. With a 1,000-hour lifetime, the units deliver reliable, worry-free performance without the need for regular bulb replacements or scheduled service.

## IntenseBeam™ Technology

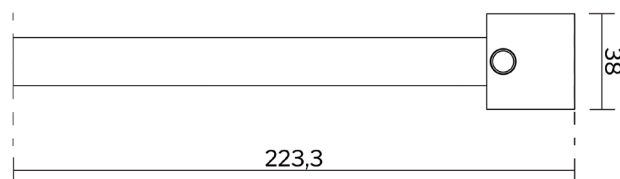
Acuva's IntenseBeam™ UVC LED technology uses advanced optics and patented direct cooling to enhance its purification abilities. This precise UVC delivery eliminates bulky heat sinks and moving parts, simplifying installation and maintenance. On-demand operation optimizes energy use and extends system life while ensuring consistently high-performance water treatment.



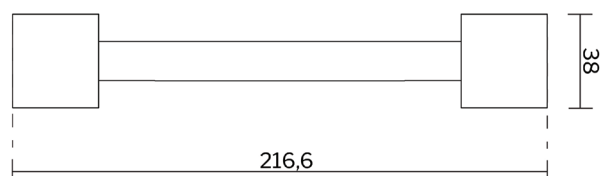
## Advantages of UVC LED Technology

- **Mercury-Free:** UVC LEDs are mercury-free, making them safer for the environment.
- **Simple Handling:** UVC LEDs are user-friendly throughout their lifespan, including disposal and maintenance.
- **Durable:** Unlike traditional UV bulbs, UVC LEDs have no fragile quartz sleeves, minimizing breakage and increasing durability.
- **Long Lifespan:** UVC LEDs offer a longer operational life, which reduces running operational costs, requiring less replacements.

### Dimensions (mm)



Strike I, Front view

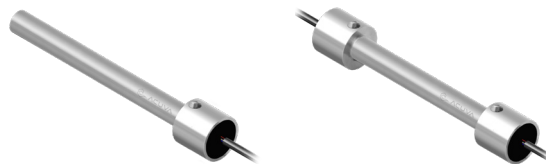


Strike II, Front view

## SPECIFICATION

### Acuva Strike<sup>™</sup> I & II

UVC LED Water Disinfection System



Model	Strike <sup>™</sup> I	Strike <sup>™</sup> II
Release Date	Available now	Available now
Article Number	600-2331-02	600-2330-02
Flow Sensor for automatic and instant start	Optional	Optional
Intense Beam <sup>™</sup> Technology	Yes	Yes
Regulatory	Complies with NSF/ANSI 55 Class B, ACS, WRAS and UK Reg4.	Complies with NSF/ANSI 55 Class B, ACS, WRAS and UK Reg4.

## DETAILED TECHNICAL DATA

Dimensions (HxW)	38 mm x 223,3 mm	38 mm x 216,6 mm
Connection size and type	Inlet: 3/8" FNPT Outlet: 1/8" FNPT	1/8" FNPT
Weight	0,4 kg	0,5 kg
IP rating	IP66	IP66

### Electrical Characteristics

Input rating	12-24 VDC	12-24 VDC
Power consumption	<6W	<12W
UVC LED lifespan	1000 active hours	1000 active hours

### Performance

16 mJ/cm <sup>2</sup> @ 95% UVT	1 l/min	2 l/min
30 mJ/cm <sup>2</sup> @ 95% UVT	0,6 l/min	1,3 l/min
Max. flow rate	4 l/min	8 l/min

### Operating Conditions

Water temperature	1-40°C	1-40°C
Ambient temperature	1-50°C	1-50°C
Max. water pressure	7 bar	7 bar
Pressure drop @ max. flow rate	<0,2 bar	<1,7 bar