

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

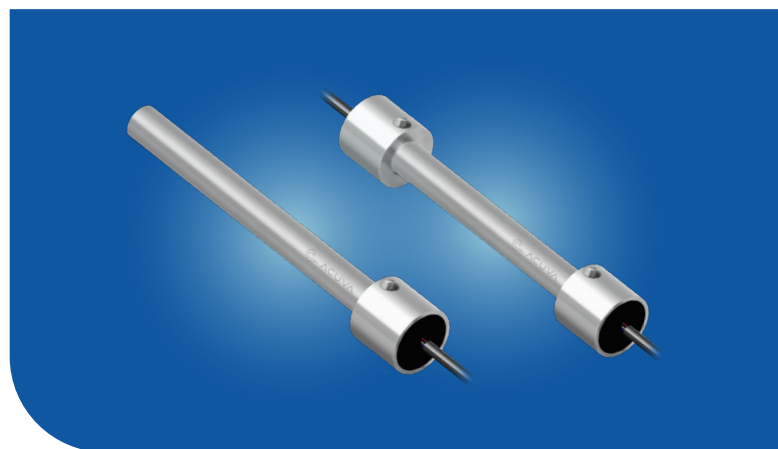
The Strike™ I & II compact UVC LED units offer a powerful and versatile solution for water disinfection. Powered by Acuva's IntenseBeam™ UVC LED technology, these units feature an ultra-compact form factor and patented Direct Cooling technology — eliminating bulky heat sinks and moving parts to streamline 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

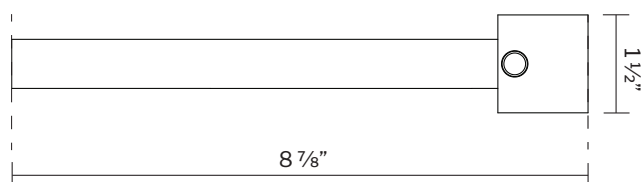
Acuva's IntenseBeam™ UVC LED technology uses advanced optics and patented direct cooling to enhance its purification abilities. This precise UVC delivery eliminates bulky heat sinks and moving parts, simplifying installation and maintenance. On-demand operation optimizes energy use and extends system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



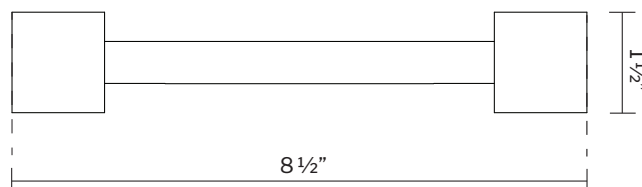
Advantages of UVC LED Technology

- **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



Strike I, Front view



Strike II, Front view

SPECIFICATION

Acuva Strike™ I & II

UVC LED Water Disinfection System



| Model | Strike™ I | Strike™ II |
|---|---|---|
| Release Date | Available now | Available now |
| Model Number | 600-2331-02 | 600-2330-02 |
| Flow Sensor for automatic and instant start | Optional | Optional |
| Intense Beam™ 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 (LxØ) | 8 7/8" x 1 1/2" | 8 1/2" x 1 1/2" |
| Connection size and type | Inlet: 3/8" FNPT Outlet: 1/8" FNPT | 1/8" FNPT |
| Weight | 0.9 lbs | 1.1 lbs |
| IP rating | IP66 | IP66 |
| Electrical Characteristics | | |
| Input rating | 12-24 VDC | 12-24 VDC |
| Power consumption | <6W | <12W |
| UVC LED lifespan | 1,000 active hours | 1,000 active hours |
| Performance | | |
| 16 mJ/cm² @ 95% UVT | 0.26 gpm | 0.53 gpm |
| 30 mJ/cm² @ 95% UVT | 0.16 gpm | 0.34 gpm |
| Max. flow rate | 1.05 gpm | 2.1 gpm |
| Operating Conditions | | |
| Water temperature | 34–104°F | 34–104°F |
| Ambient temperature | 34–122°F | 34–122°F |
| Max. water pressure | 101 psi | 101 psi |
| Pressure drop @ max. flow rate | <3 psi | <25 psi |