

UVC LED Technology

Azure Bolt™ I & II

Compact, Point-of-Use Water Disinfection Unit

The Azure Bolt™ offers a compact, reliable, and cost-effective point-of-use water disinfection solution. Its UVC LED technology provides effective disinfection with minimal maintenance requirements, making it suitable for a wide range of water applications.

High-Performance Disinfection

Utilizing innovative technology, the Azure Bolt™ I & II ensures reliable and effective inactivation of bacteria and viruses. Its compact and efficient design makes it well-suited for appliance integration or under-sink installations, providing microbially safe water. Built for durability, you can depend on it for your mission critical disinfection applications. With patented Direct Cooling technology, it operates without moving parts or separate heat sinks, offering an energy efficient solution ideally suited for appliance integration.

Low-Maintenance Operation

Engineered for efficient performance and extended operational life, the Azure Bolt™ I & II minimizes maintenance needs and reduces downtime. Its on-demand operation prevents unnecessary wear, extending the system's lifespan while optimizing energy use.

Long-Life UVC LED Technology

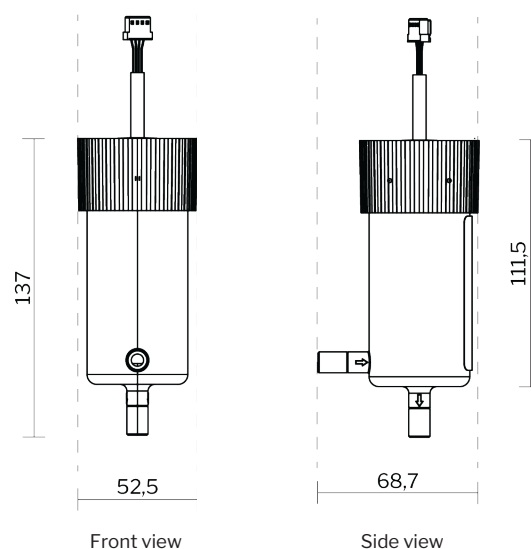
Say goodbye to the inconvenience and expense of frequent UV bulb replacements. The Azure Bolt™ I & II utilizes long-lasting, mercury-free UVC LED technology, offering a significantly longer operational life compared to traditional UV lamps. This not only reduces maintenance but also eliminates the risk of mercury contamination, making it a safer and more environmentally responsible choice. The robust UVC LEDs ensure consistent disinfection performance over time, providing reliable protection for your customers.



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, reducing operational costs.

Dimensions (mm)



SPECIFICATION

Azure Bolt™

UVC LED Water Disinfection System



Model	Azure Bolt™ I	Azure Bolt™ II
Release Date	Available now	Available now
Article Number	600-2691-03	600-2691-06
Flow Sensor for automatic and instant start	Optional	Optional
Direct Cooling Technology	Yes	Yes
Regulatory	NSF 55 Class B, RoHS, REACH, CE	NSF 55 Class B, RoHS, REACH, CE

DETAILED TECHNICAL DATA

Dimensions (HxW)	52,5 mm x 137 mm	52,5 mm x 137 mm
Connection size and type	3/8" male for quick-fit connector	3/8" male for quick-fit connector
Weight	0,25 Kg	0,25 Kg
IP rating	IP21	IP21

Electrical Characteristics

Input rating	24VDC	24VDC
Power consumption	<8 W	<16 W
UVC LED lifespan	1000 active hours	1000 active hours

Performance

16 mJ/cm² @ 95% UVT	1,4 l/min	2,8 l/min
30 mJ/cm² @ 95% UVT	1,0 l/min	1,9 l/min
Max. flow rate	5 l/min	10 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	<0,4 bar