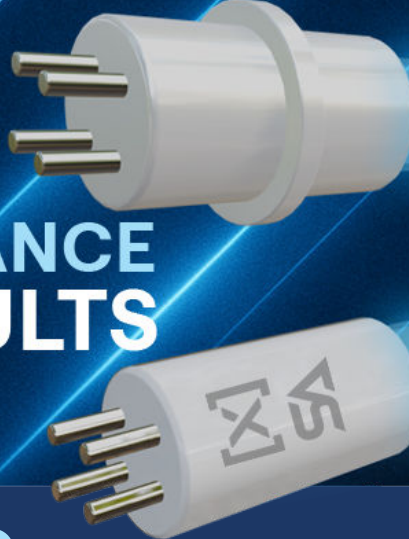




PEAK PERFORMANCE PROVEN RESULTS



UVR[x] SA

BLUE AND BEYOND

UNDERSTANDING VERY HIGH OUTPUT (VO) UV-C LAMP LIFE

Let us give it to you straight about lamp life... 9,000 Hours may be the standard but not necessarily the end.

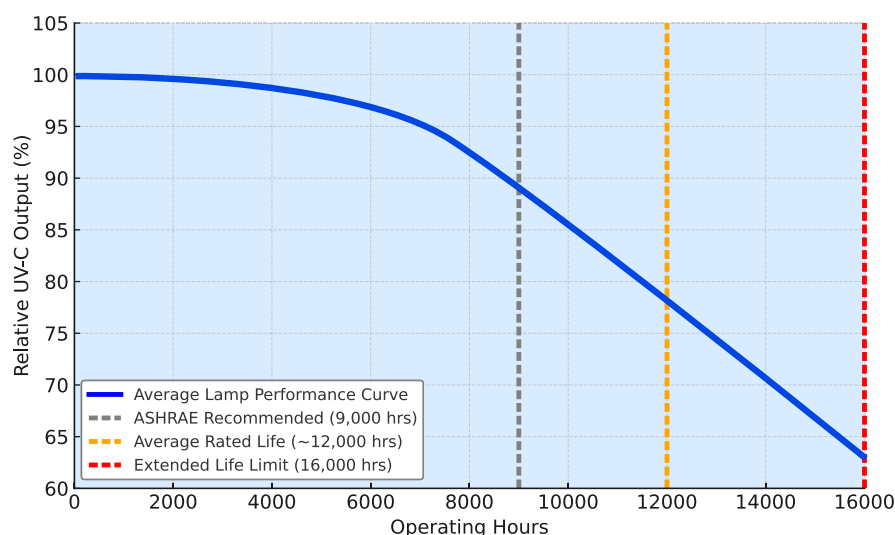
Every UV-C lamp has a lifespan, but with disinfection, it's not about how long it glows, it's about how well it works. A lamp may still shine after years of use, but its invisible effectiveness is reduced. Replacing lamps on schedule is critical to protecting your HVAC system and maintaining healthier indoor air.

THE TRUTH ABOUT (VO) UV-C OUTPUT

UV-C lamps don't just "burn out" like regular bulbs, their germ-inactivation power gradually declines over time. Under standard conditions, performance follows a predictable curve, but harsher HVAC environments (high airflows, colder temps, or frequent cycling) can accelerate that decline. Knowing when output starts to fade is key to keeping your system protected.

- 0 to 3,000 hours → Near full output **100%**
- 3,001 to 9,000 hours → Strong, consistent lamp performance **~90% efficiency**
- 9,001 to 12,000 hours → Output fades, typically **~75-80% efficiency**
- By 12,000 - 16,000 hours → most lamps are well below spec, typically **~60-70% efficiency**, significant performance drop

UV-C (VO) Output vs. Lifetime



WHY (VO) LAMPS DELIVER VALUE

UV Resources, (VO) lamps are engineered with:

- Precision electrode geometry
- Stable noble-gas filling
- Optimized circuitry and ambient control
- Low switching frequency to extend electrode life

Systems designed with our premium lamps help you achieve up to 12,000 hours of reliable lamp performance, with the confidence that germicidal output stays effective longer.

**HEY!! WHAT
DOES
ASHRAE
HAVE TO SAY**

ASHRAE guidance states that UV-C lamps typically have an effective useful life of about 9,000 hours of continuous operation.

[\[Link to Study\]](#)

HAVE A QUESTION?

MEET THE TEAM THAT FIGHTS DIRTY... Contact one of our sales team: <https://www.uvresources.com/sales-team/>