



Efficient

It's mandatory to heat the warm water reservoir above 60 °C once a week, to kill Legionella. Systems like built-in electric heaters need ~ 200 kWh per year to do so. Disinfection with UV-C LEDs only needs 20 kWh per year, leading to an overall heat pump system efficiency increase.



Effective

UV-C light is known to effectively inactivate microorganisms like Legionella by damaging their DNA. The compact UV-C LED dimensions make it possible to adjust the design to the heat pump architecture.

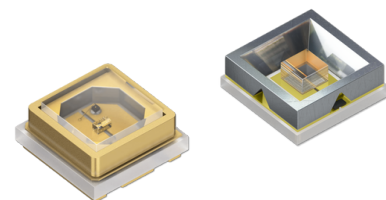
Heat pumps - **increasing efficiency** by up to 10 %

ams OSRAM's UV-C technology for warm water disinfection makes it possible!

Today's preferred low-temperature heat pumps operate at 30 - 45 °C system temperature which is sufficient for heating a house but not enough to fight Legionella in warm water. To overcome this issue high energy consuming built-in electrical heaters are being used in warm water reservoirs nowadays.

As an alternative UV-C LEDs in warm water reservoirs ensure germ-free drinking water, requiring much less energy.

OSLON® UV 3535



Easy

handling - UV-C LEDs don't contain Mercury / Amalgam

10 %

system efficiency increase thanks to UV-C

Reliable

switching lifetime - active only when needed



Contact us:
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