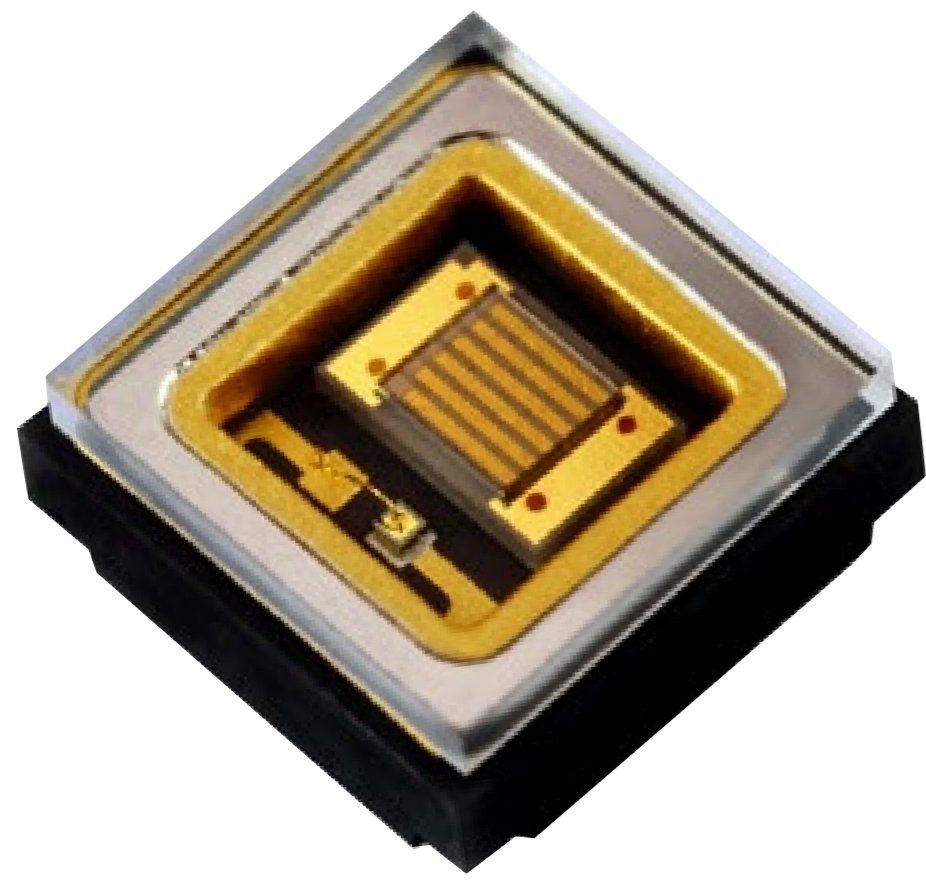


Water
Disinfection

With the power of New Ultraviolet Light Providing "Water" that everyone can feel secure

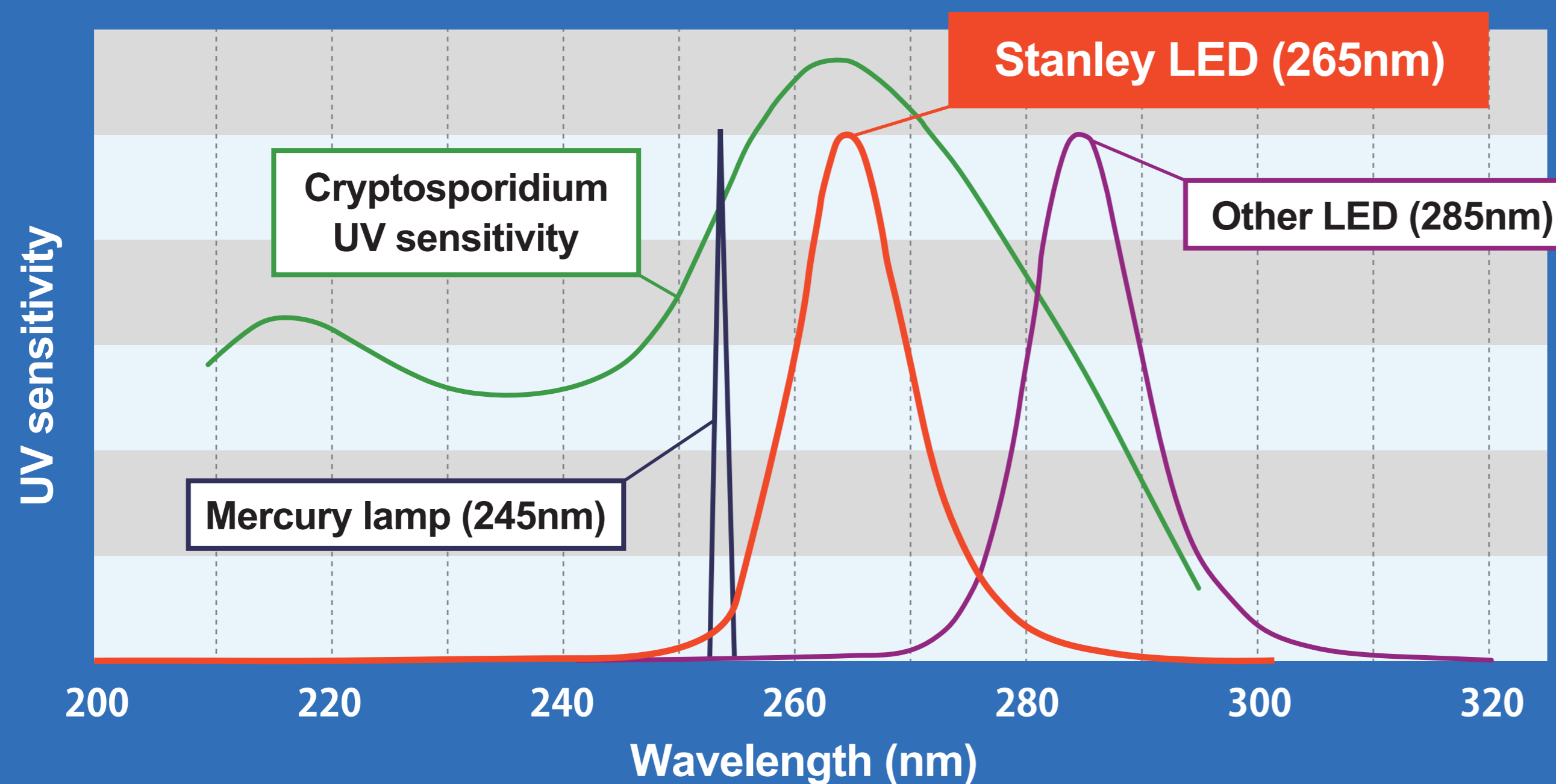
Under Development



High Power Deep UV-LED

- Wavelength 265nm with high sterilization ability.
- Achieves the world's highest output level of 50 mW at a wavelength of 265 nm.
- Use of an aluminum nitride substrate makes it difficult for the output to drop even when the current value is increased, and it is difficult for the output to drop as the temperature rises.

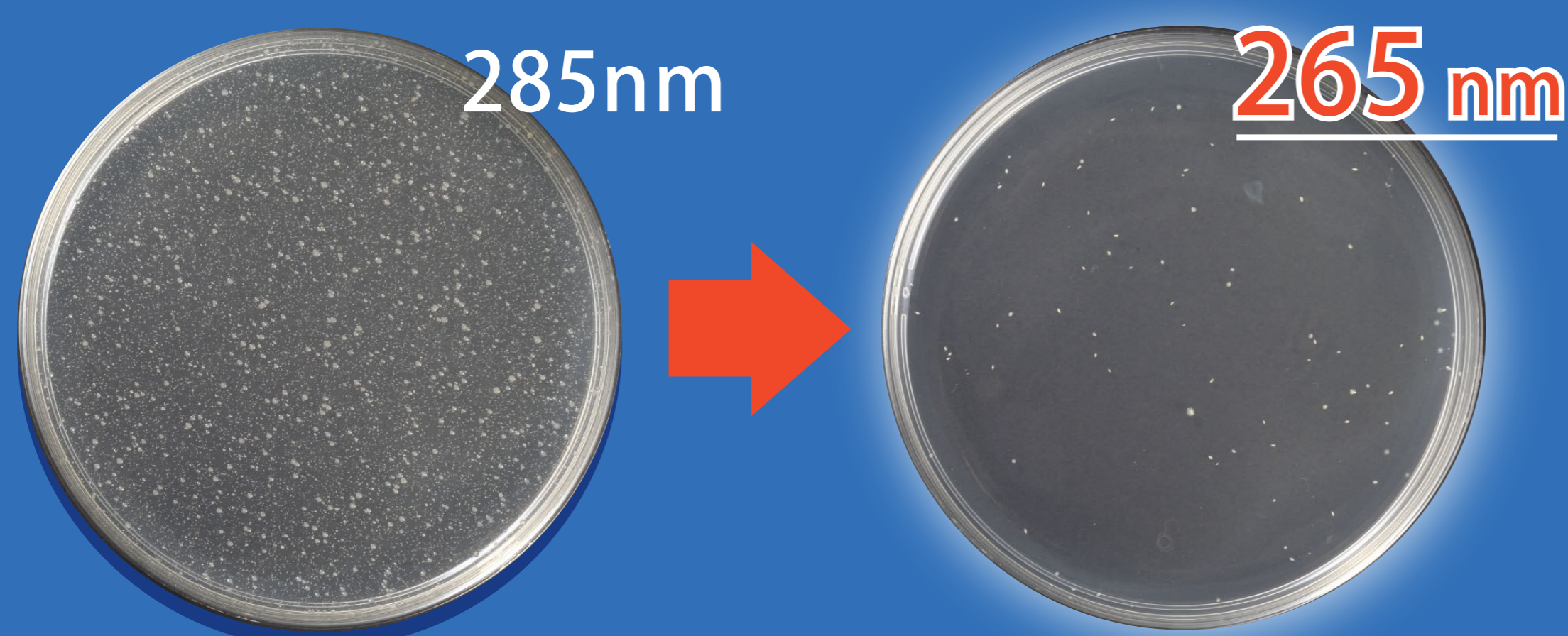
Emission spectra and UV sensitivity



265nm is the most effective wave length to deactivate DNA of bacteria.

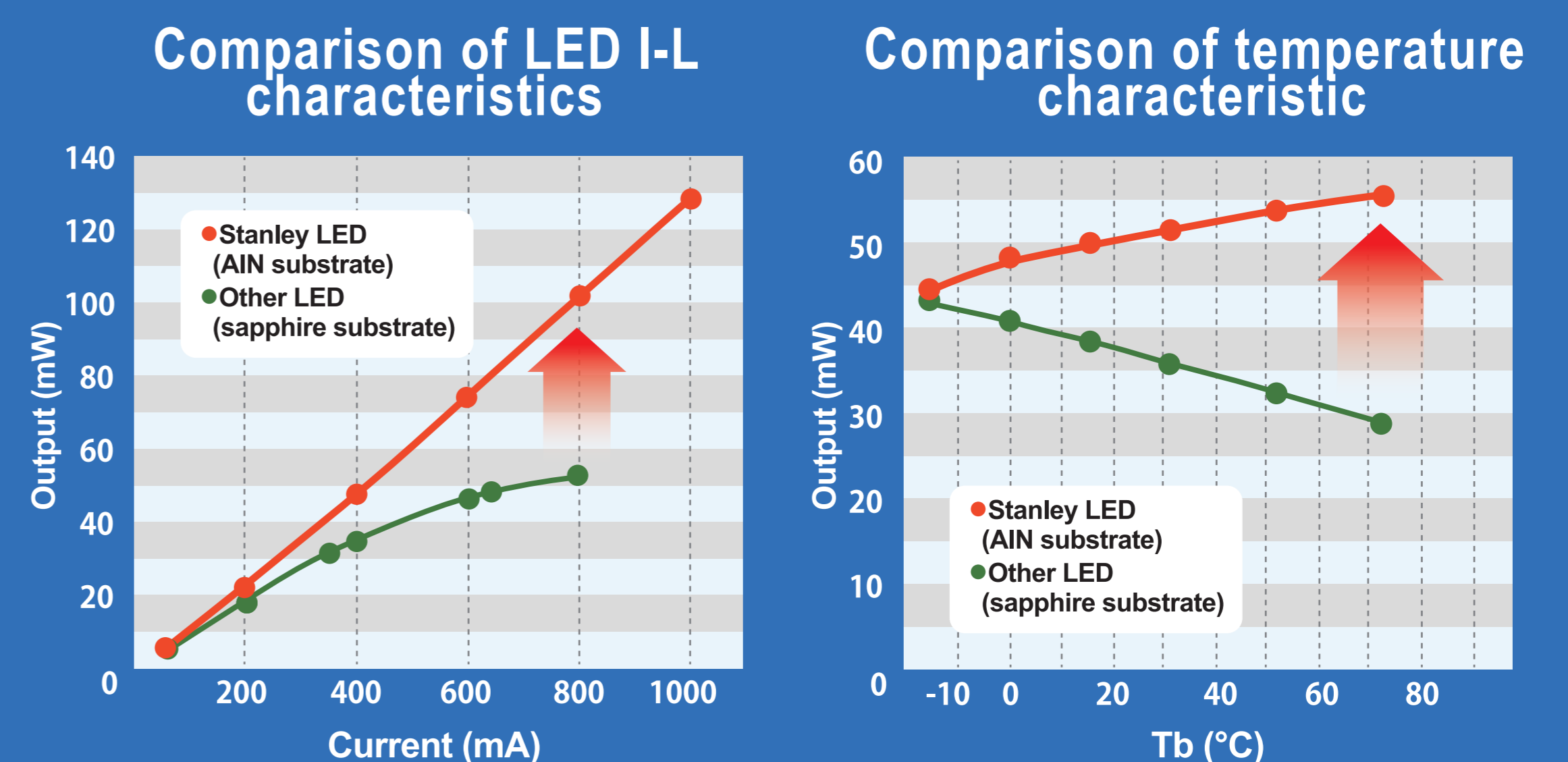
※Based on our test results

Sterilization ability comparison



Measurement conditions: Bacteria : E.coli, Irradiation distance : 100mm, Output : 40mW, Irradiation time : 120 sec

Comparison of characteristics



Even if the current value is increased, the output is difficult to decrease.

No decrease in output due to rise temperature