

Sense the power of light: ams OSRAM presents innovative lighting and sensor solutions for applications

At electronica 2024 in Munich, [ams OSRAM](#) (SIX: AMS), a leading global provider of intelligent sensors and emitters, will be demonstrating how intelligent optical lighting and sensor solutions can make everyday life safer, securer, healthier, more comfortable and more eco-friendly.

ams OSRAM is digitalizing the buildings of tomorrow with automated functions, ranging from advanced smoke detection and smart keyless access to human centric lighting (HCL), status monitoring and UV-C disinfection and treatment.

The new [IR:6 thin-film chip technology](#) will enable manufacturers of security cameras, biometric authentication systems in PCs and smart doorbells to achieve better illumination and greater efficiency in combination with IR LED emitters. A 35 % increase in brightness and a 42 % increase in efficiency result in better image quality and enable biometric markers to be identified faster and more accurately. At the same time, less power is consumed and battery life between charging cycles is extended. The new [IR:6 chip technology](#) offers significant improvements in material, structure and design, as well as the ability to radiate light at the centroid wavelength of 920 nm in addition to the familiar wavelengths of 850 nm and 940 nm.

The new [OSLON® UV 3535](#) UV-C disinfection LED emits UV-C radiation at 265 nanometers for highly efficient treatment of pathogens. The new generation of the OSLON® UV family also has a longer service life, higher output power and an excellent price/performance ratio. The increased performance of the LED is due to innovations in housing design and semiconductor technology, using the latest generation of flip chips in an open 3535 ceramic housing.