

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

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 supporting future mobility concepts with integrated solutions for vehicles – from dynamic lighting systems that make the roads safer to advanced sensor solutions in vehicle interiors. The [EVIYOS®](#) LED system for state-of-the-art LED front lighting makes driving safer with its glare-free adaptive driving beam (ADB) and high-resolution projections of safety-relevant symbols directly on the road. Intelligent beam control is based on a dedicated ASIC and 25,600 individually controllable pixels. By projecting images such as warning symbols onto the road at night, the EVIYOS® family of products helps improve communication between the vehicle and its environment.

ams OSRAM is also showcasing groundbreaking advances in capacitive sensors to provide a seamless user experience. With the proximity and touch/grip functionality of ams OSRAM technology, based on offset-free, low-noise, high-precision data acquisition front-end ICs, the doors are opening up to the next quasi-thought-driven generation.

ams OSRAM will be presenting present two new architectures for interior lighting using [OSP \(Open System Protocol\)](#), a STAR architecture based on the [new stand-alone intelligent driver \(SAID\)](#) and a GATEWAY architecture in which video images are transmitted in real time via ETHERNET/OSP gateways to 600 OSIRE® E3731i RGB LEDs.