

## Elmos: Dynamic rear light with customized design options for styling and road safety

New Elmos Stand-alone LED driver with embedded animation capability enables cost optimized design options for unparalleled dynamic exterior light animation



*Dortmund, March 9, 2022:* The fascinating magic of dynamic rear light animation of next gen cars made possible with new Elmos LED driver ICs. Elmos Semiconductor SE extends their product portfolio in automotive exterior LED lighting to enable cost optimized enhanced light design options using embedded dynamic animation with the new Elmos IC E522.88. An embedded non-volatile memory allows customers to store desired individual channel current configurations and animation sequences for dynamic signaling. The E522.88 operates without an external microcontroller thereby significantly reducing the cost of the

control unit. Production is expected to start in 2022.

Developed according to the ISO26262 Functional Safety development process, the E522.88 is industry's first stand-alone, multichannel LED controller offering full diagnosis suite to achieve ASIL-B rating at the system level without using a microcontroller. The 16-channel E522.88 LED controller has a maximum output current of 100mA per channel and supports Elmos' patented power management methodology allowing wide supply voltage operating range and ensuring a constant light intensity of the LEDs. In case higher currents are required, channels can be combined to support this requirement. Animation sequences can be programmed at the end of line of the customer and can be triggered by discrete signals in the application.

"The release of the E522.88 is an important step for Elmos towards broadening our Multichannel LED driver portfolio for exterior lighting. It signifies our long-standing commitment to deliver maximum value to customers at an optimized system cost. The E522.88 allows realizing animated exterior lighting systems at OEMs beyond the premium models." Jatin Thaker, Segment Manager Lighting, Elmos Semiconductor SE. For further product information, datasheet, evaluation kits and series samples, please contact [sales@elmos.com](mailto:sales@elmos.com) with "E522.88" in the subject line or contact us by telephone: + 49 231 7549 100.

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### About Elmos

Elmos develops, produces and markets semiconductors, primarily for use in the automotive industry. Our components communicate, measure, regulate and control safety, comfort, powertrain and network functions. For over 30 years, Elmos innovations have been bringing new functions to life and making mobility worldwide safer, more comfortable and more energy efficient. With our solutions we are already the worldwide #1 in applications with great future potential, such as ultrasonic distance measurement, ambient light and intuitive HMI.