

Static and animated lighting

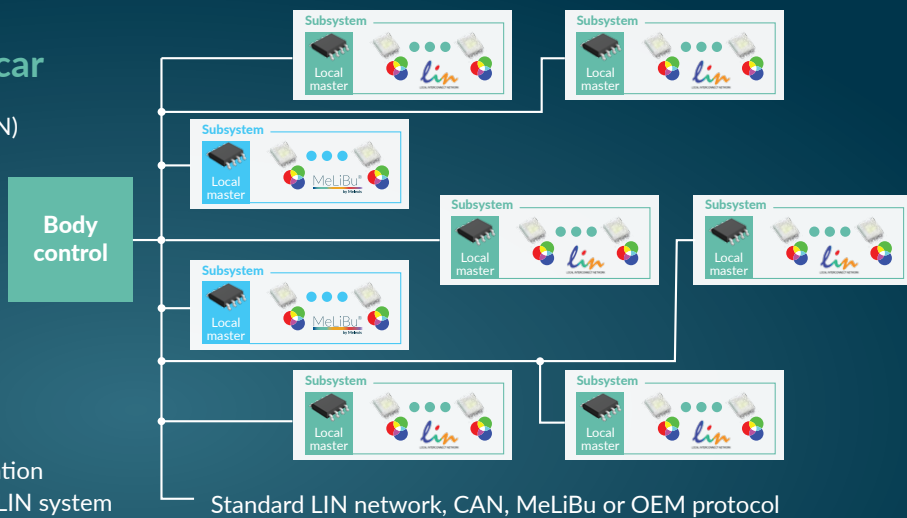
Melexis's scalable LED driver solution offers unparalleled flexibility, enabling stunning visual effects and seamless integration.



Scalable architecture

Single control for every LED in the car

- Connect all LEDs via LIN and MeLiBu (UART over CAN)
- Easily adjust the number of RGB LEDs
- Create light animations for multiple cases
- Complete synchronization over the whole system



RGB LED drivers working together

- Multi-channel MeLiBu® for high speed animation
- Single-channel system on chip for streamlined integration
- LIN to LIN gateway to extend the physical limits of a LIN system



Optimized ICs

- Programmable MCU for design freedom
- Constant current LED driver with temperature compensation for accurate color & brightness control
- Integrated communication interface (LIN or MeLiBu)
- Supply system for direct connection to 12V boardnet
- Superior EMC performance for wiring across the car
- Support functional safety application (ASIL B)



www.melexis.com/LED-drivers

