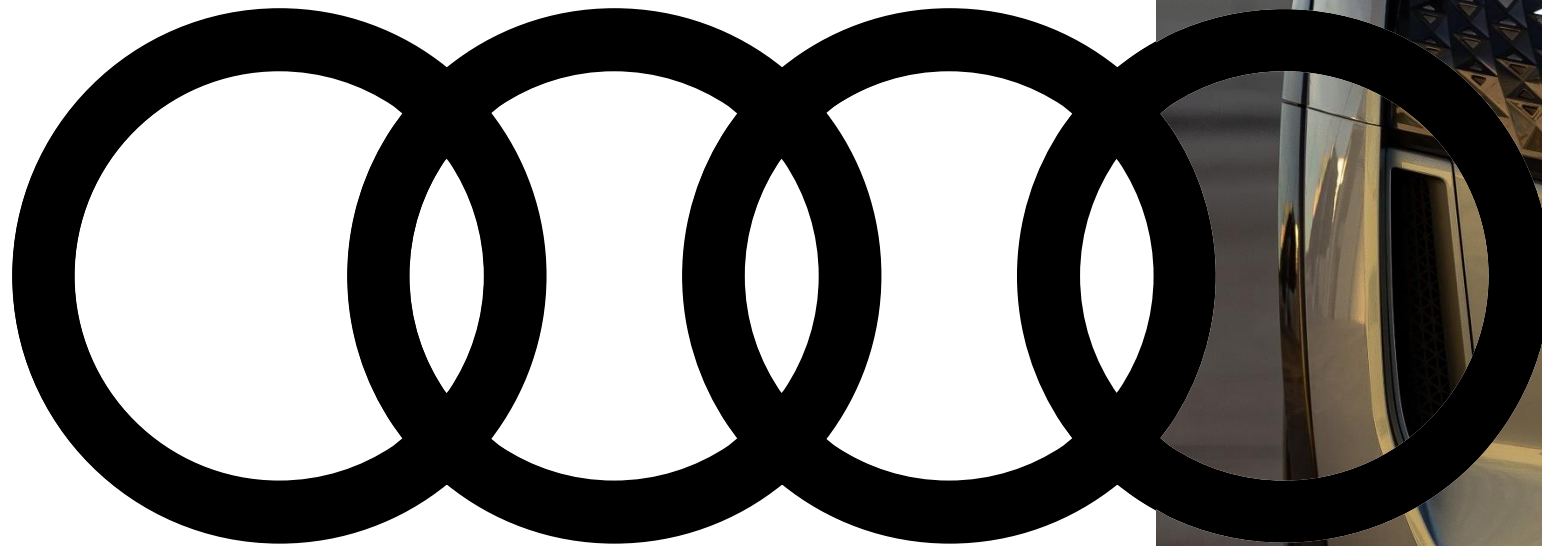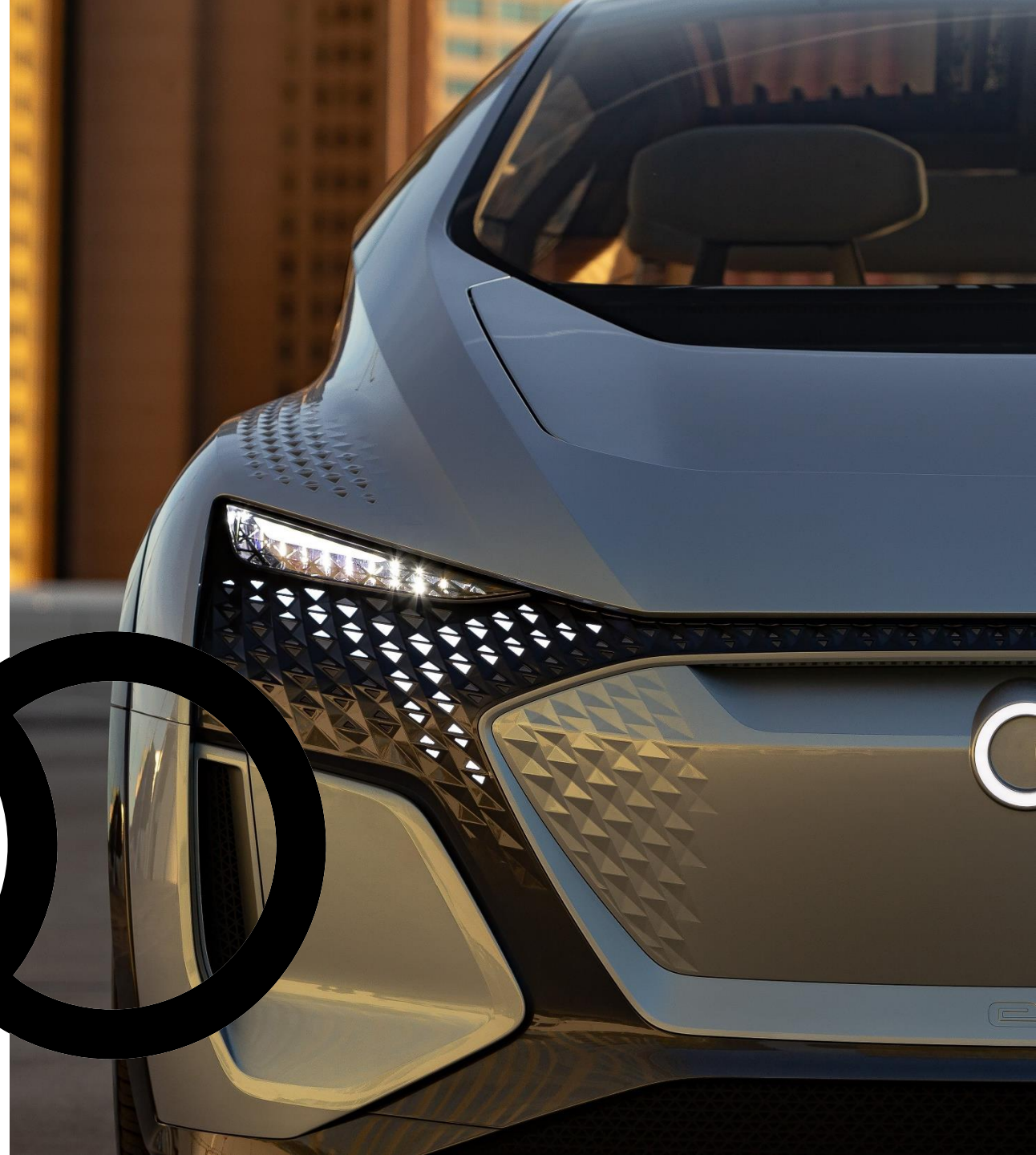# µLEDs for communication light

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# Integration of µLEDs in automotive glazing
# for communication light

› Possible use cases:

**Front**

› Communication with pedestrians and cyclists, e.g. at a crosswalk

› Communication with other cars (warning, information about planned action, etc.)

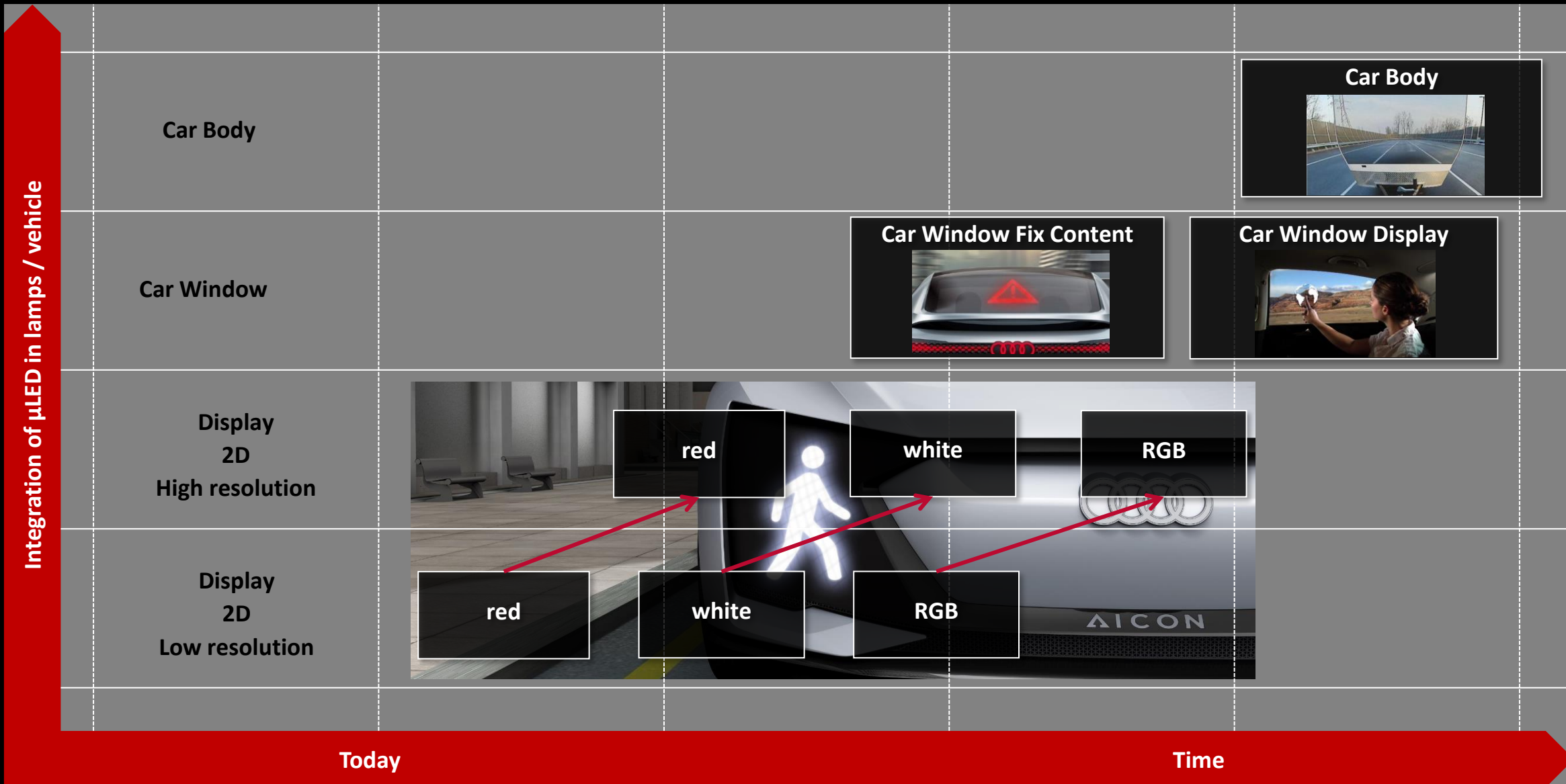› Indication of automated driving cars (front, side, rear)

**Side**

› Security advantage through higher visibility from the side

  › Design integration of side markers (not mandatory in Europe)

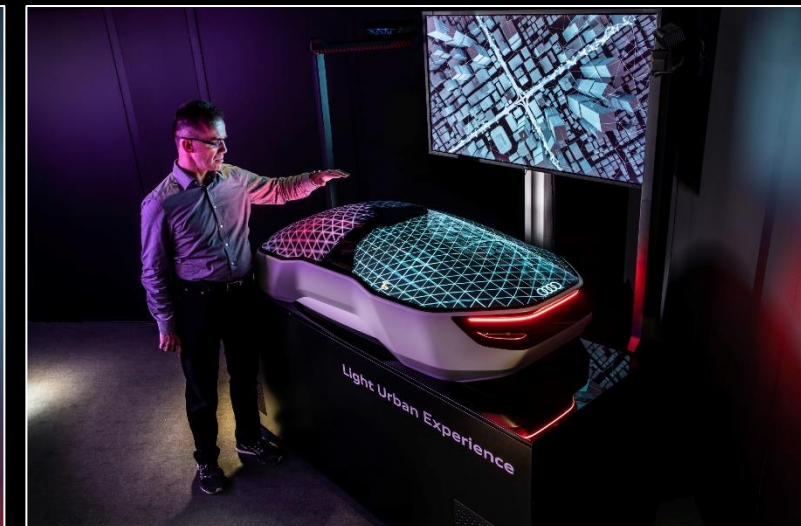› Communication (see front)

› Display of charging status

**Rear**

› Display of symbols for predictive warning of other road users

› „Social" function: Providing information to not connected cars  (optical C2X: hazard warning, traffic jam, etc.)

› Styling (front, side, rear)

# Possible roadmap for integration of µLEDs



**Integration of µLED in lamps / vehicle**

**Car Body**

**Car Window**

**Display 2D High resolution**

**Display 2D Low resolution**

Car Body

Car Window Fix Content

Car Window Display

red        white        RGB

red        white        RGB

**Today**

**Time**

# Light Urban Experience

# Thank

# you!