



**Press Release**

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## **Marelli presents lighting technologies for the software-defined age at Auto China 2026**

- *Design, interaction, and safety: Marelli's latest lighting solutions combine full-width design, intelligent interaction, and high-resolution adaptive lighting.*
- *Production-ready technologies on show include Thin Corner-to-Corner Headlamp, Flat Lit Surface digital rear lighting and h-Digi® MicroLED.*

**Marelli**, a global technology partner to the automotive industry, will showcase its latest **advanced automotive lighting technologies** at **Auto China 2026** in Beijing from April 24 to May 3. At the event, Marelli will demonstrate how lighting is evolving into a software-defined platform enabling design differentiation and brand expression, intelligent interaction and digital communication as well as safety.

*"In future vehicle generations, lighting will drive intelligent interaction and further enhance brand identity," said Frank Huber, President of Marelli's Lighting business. "At Auto China in Beijing, we're introducing innovations such as our Thin Corner-to-Corner Headlamp and Flat Lit Surface digital tail lamp, combining advanced functionality with distinctive design. Technologies like our 25K and 40K h-Digi® MicroLED further enhance safety and comfort while opening up new possibilities for an impactful and personalized lighting experience."*

Also for the Lighting business, the theme "**Rooted in innovation, everywhere**" is key at Auto China 2026: Marelli leverages the combination of local expertise and global reach to deliver affordable, scalable solutions at speed, accelerating customers' time-to-market in China and worldwide, supporting them where they are.

### **Thin Corner-to-Corner Headlamp: ultra-slim front lighting with touch and voice interaction**

As vehicles transition to **software-defined architectures**, **automotive front lighting** is evolving toward **ultra-slim, full-width headlamp designs** that combine illumination, interaction, and brand differentiation.

Marelli's **Thin Corner-to-Corner Headlamp** is a **full-width, ultra-slim automotive headlight** that integrates all core lighting functions with **touch and intelligent voice interaction** directly into the lighting system. The solution features ultra-slim lighting modules of just 15 mm × 120 mm. The system realizes key front illumination functionalities and dynamic light animations. Its interactive functions include opening the vehicle front trunk (*frunk*) by just a touch on the illuminated logo or through voice control. **The voice interaction currently supports Chinese and English.**

Designed for **mass-production vehicle programs**, the Thin Corner-to-Corner Headlamp expands **front-end design freedom for vehicle makers** while delivering **enhanced convenience, emotional engagement and a next-level user experience** for drivers. The solution shown at Auto China 2026 is **ready for production**.

### **Flat Lit Surface: 3D digital rear lighting with OLED and Folia-LED driving styling and communication**

As **rear lighting systems** become part of **connected and software-defined vehicle platforms**, **digital rear lighting** and external communication are emerging as key innovation drivers.



Marelli's **Flat Lit Surface** is a **digital rear lighting solution** combining **OLED technology and Folia-LED surface lighting** to create distinctive **three-dimensional illuminated surfaces**. The system enables all core rear signaling functions, including stop, tail, and turn, as well as animated welcome and goodbye scenarios. With a **6 mm OLED pixel size**, Flat Lit Surface allows for **personalized display content** and provides a foundation for **external communication and vehicle-to-everything (V2X) applications**.

The Flat Lit Surface technology strengthens **rear-end design differentiation and brand recognition** for vehicle manufacturers and is **ready for large-scale mass production**, with additional functionality enabled through software updates.

#### **h-Digi® MicroLED: high-resolution MicroLED headlamp for digital and intelligent front lighting**

**MicroLED headlamp technology** is becoming a core enabler of **next-generation intelligent automotive lighting**, allowing for more precise **Adaptive Driving Beam (ADB)**, versatile light distributions, and advanced projection functions.

Marelli's **h-Digi® MicroLED** is a **high-resolution MicroLED projection module** for intelligent headlighting systems, available in **25K and 40K pixel configurations** to address multiple vehicle segments. The **25K MicroLED version** is a mature, compact, and energy-efficient solution supporting high-precision ADB, adaptive front lighting functions, road projections, and dynamic lighting animations. The **40K MicroLED version**, launching at Auto China and available for quotation then, increases pixel density and precision for premium vehicle applications.

This **scalable MicroLED lighting portfolio** enables automotive manufacturers to balance **performance, cost, and future scalability**, while enhancing **nighttime driving safety** and enabling advanced intelligent lighting features.

#### **About Marelli**

Marelli is a global mobility technology supplier to the automotive sector. With a strong and established track record in innovation and manufacturing excellence, our mission is to transform the future of mobility through working with customers and partners to create a safer, greener, and better-connected world. With around 40,000 employees worldwide, the Marelli footprint includes over 150 sites globally.