

Generalist LED producers are turning their attention to automotive applications, while the ongoing development of autonomous driving technology also creates new opportunities for vehicle lighting. Advanced LED technology lets cars provide details about how and when they are about to turn or stop. Mini- and micro-LEDs can deliver a great deal more information than the simple on/off, bright/dim, red/amber/white modalities of traditional car lights. LED manufacturers including Everlight, Lite-On, and Lextar have demonstrated prototype mini-LED tail lights at international shows.



At the other end of the car, matrix LED headlamps are considered to be the trend following autonomous vehicle development. Osram and Everlight are among the LED makers working on the technology.

In addition, developing LED technologies such as mini LED backlight and micro-LED also offer a wider range of applications for automotive displays. Head-up display and transparent displays deploying micro-LEDs for automotive applications are also under active development. SmartVIZ, a micro-LED display solution project established this past April, has gathered Osram and other specialists in the industry to develop transparent automotive micro-LED displays.