### Abstract

This report provides information regarding the market-weighted prevalence of light-emitting diode (LED) light sources for exterior lighting on model year 2008 vehicles sold in the U.S. The main findings were as follows: (1) LEDs are employed to some degree for virtually all required exterior lighting functions on U.S. vehicles (high-beam headlighting is the exception, for which LEDs are expected to appear later in 2008), and (2) rear signaling and marking functions show the highest usage of these light sources. Supplemental information about headlamp bulb types, headlamp optics, and rear turn-signal color is also presented.