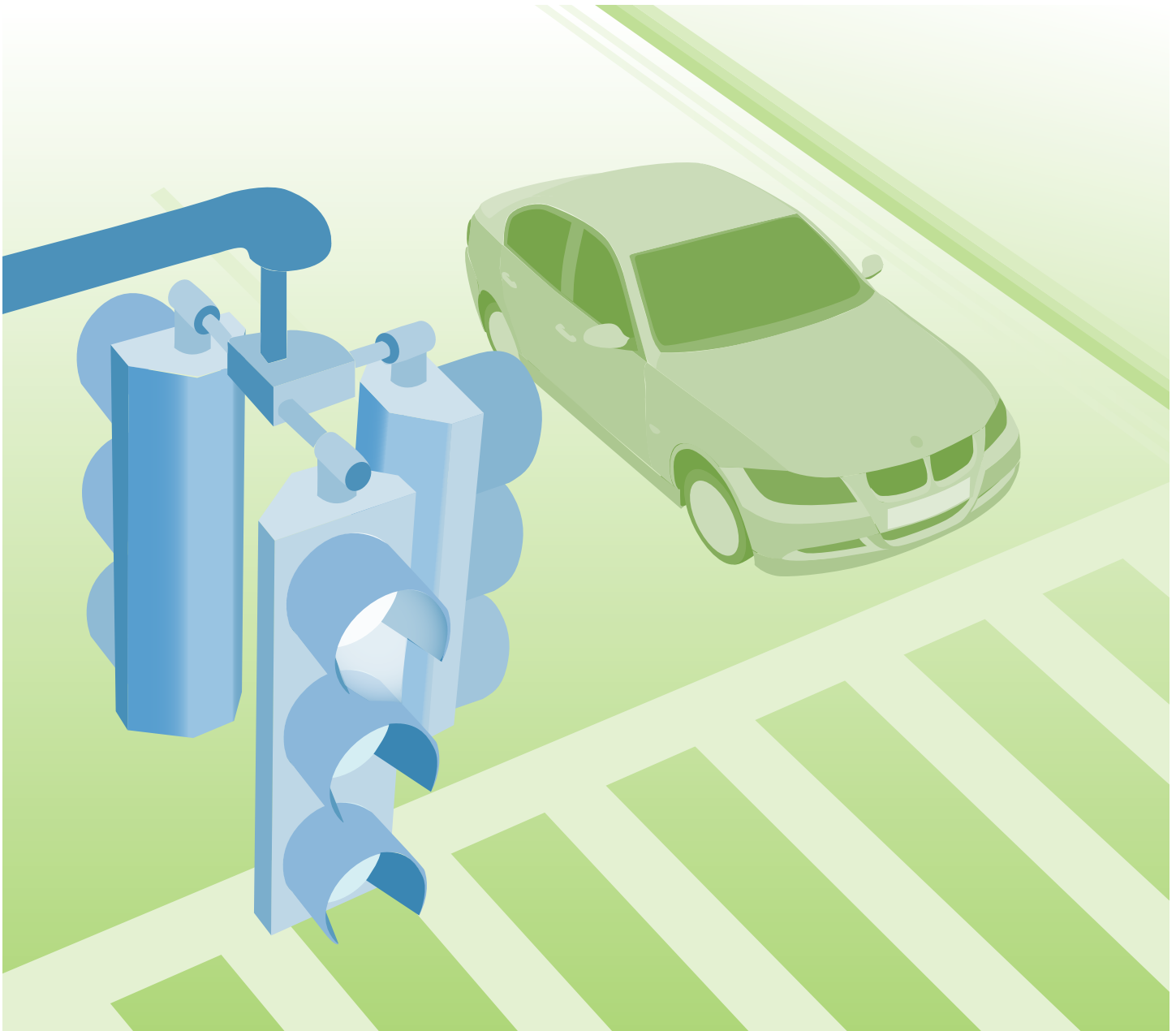


# GE LEDs - Signals

GE LED traffic and rail signals replace older incandescent units to better meet the critical 24/7 reliability needs of municipalities, rail yards and transit operators.

Benefits of advanced LED technology in these 365-day-a-year devices include recurring energy savings, lower maintenance costs and reduced safety concerns.



# GE LEDs - Signals

## Increasing reliability

Ever-demanding traffic and rail signal applications require constant reliability 24 hours a day, 365 days a year. By applying GE LED signals in place of older fluorescent or incandescent technologies, municipalities, rail yards and transit operators can benefit from energy savings, lower maintenance costs and reduced safety concerns.

A municipality replacing standard incandescent lamps at 100 intersections (having an average of 42.5 lamps replaced per intersection) with GE Red, Yellow and Green LED Traffic signal modules uses approximately 93 percent less energy. The CO2 savings for one year would be equivalent to the CO2 absorbed each year by approximately 300 acres of trees or the annual removal of 210 cars from U.S. roads.

The State of Kentucky recently switched 77,000 units in over 3,000 intersections from standard incandescent lamps to GE LED traffic signal modules and now projects annual savings of \$1.7 million from reduced energy costs and \$1.5 million in reduced maintenance and lifecycle costs.

## What's next for LEDs?

According to industry sources, the LED industry grew nearly 50 percent year-over-year between 1995 and 2004, and its growth trajectory between 2004 and 2009 is expected to nearly double, from \$3.7 billion to \$7.3 billion. Many industry observers would attribute these high-growth forecasts to the low penetration of LEDs in general illumination (1 percent), signage (5 percent) and transportation (25 percent) applications.

