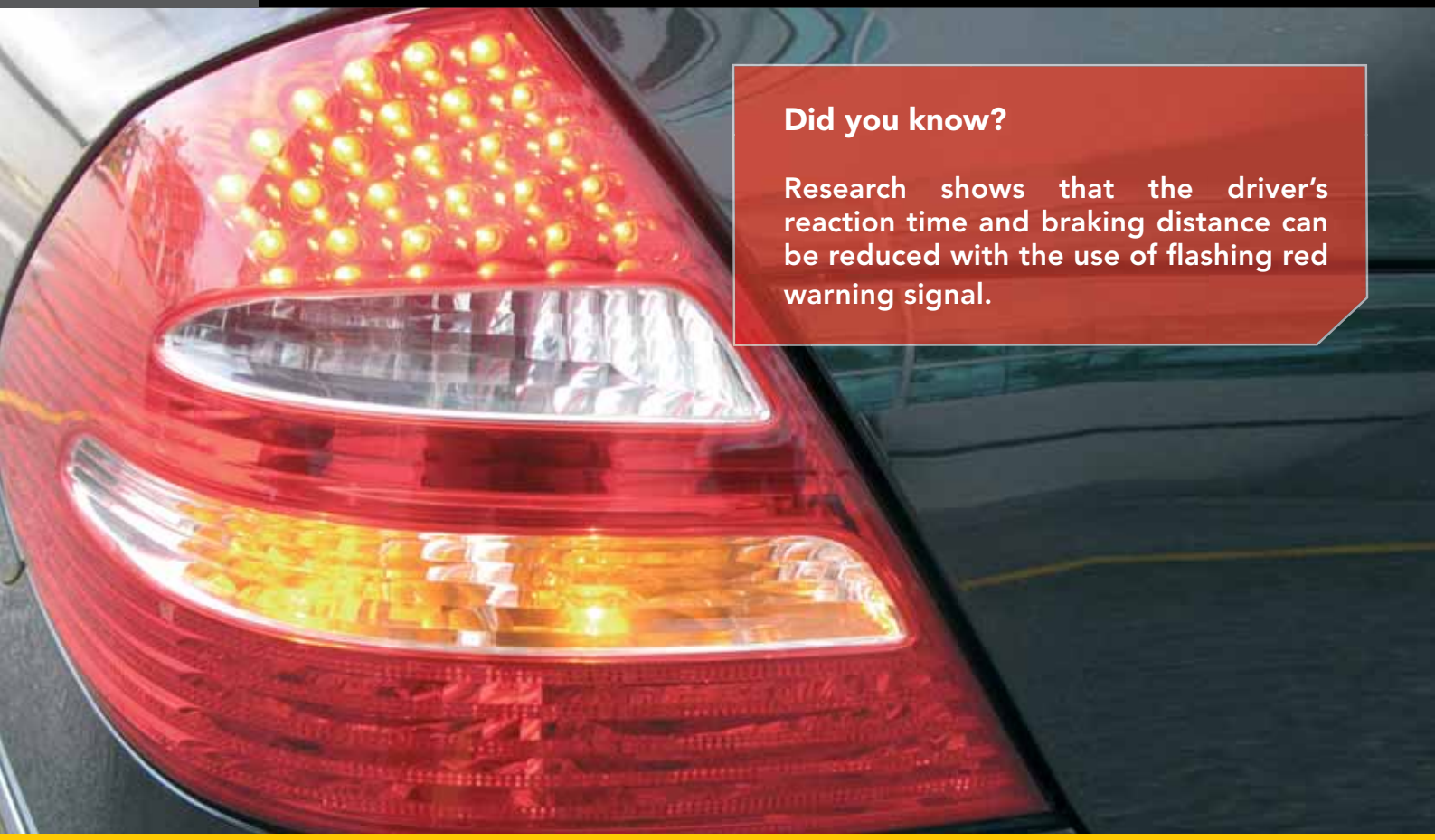
Adaptive Brake Lights

The latest in safety technology designed to effectively reduce rear-end or chain collisions.



Did you know?

Research shows that the driver's reaction time and braking distance can be reduced with the use of flashing red warning signal.

It Pays to be Visible At Times of Emergency

Research by a leading German car manufacturer shows that in emergency braking situations, a driver's braking reaction time can be shortened by up to 0.2 seconds if a flashing red warning light is used instead of a conventional brake light. As a result, the stopping distance can be reduced by approximately 4.4 metres at a speed of 80 km/h, and 5.5 metres at 100 km/h.

DK Auto's innovative Adaptive Brake Lights take road safety one step further. It is a device designed to alert rear following drivers to the danger of rear-end or chain collision by means of flashing brake and /or hazard lights during emergency or hard braking.

Studies on braking signal system documented in EC Standards can be found at TRANS-WP29-GRE-52-35e and TRANS-WP29-GRE-53-02e.

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Features:

- In the event of emergency braking, brake lights and hazard lights are triggered automatically to reduce the risk of chain collision providing optical warning of emergency braking.
- New Gravity Force sensing technology detects the deceleration level and triggers the relay 'ON' and 'OFF' switches.
- 4Hz & 2.5Hz flashing that only stops after the vehicle decelerates to 2m/s².

Advantages:

- Prevents or reduces risks of rear end collision.
- Improves road safety.

Warning Levels

Level	Deceleration	Brake Lights Flashing Frequency	Hazard Lights Flashing Frequency	Duration of Flashing at -5m/s² & below
1	**-6m/s² (0.60G)**	**4 Hz**	**–**	**1 second**
2	**-6.8m/s² (0.68G)**	**4 Hz**	**–**	**3 seconds**
3	**-8.5m/s² (0.85G)**	**4 Hz**	**2.5 Hz**	**5 seconds**

Technical Specifications

Technical Description	Specification
Supply voltage	**DC 12V**
Operating temperature	**-40°C to +85°C**
Storage temperature	**-40°C to +85°C**
Stop relay output current	**1A**