

Solutions for a safe conversion to LED direction indicators

BASIC & PRELIMINARY NOTIONS:

- ❑ Regulation ECE R48 for failure warning in direction indicator circuit is mandatory, any resistors in LED indicator lamps are illegal.
- ❑ The Traditional Flasher unit constantly monitors the power draw for whole direction indicator circuit and detects a failure when the power drops below a defined threshold. LED indicators used in combination with flasher units for bulbs may create irregular flashing frequency and false failure signals.
- ❑ ISO 13207-1 standardises the non-failure pulse generated by new LED indicator lamps.

CAN YOU REPLACE THE FLASHER UNIT INSTALLED IN THE VEHICLE?

YES

Do you know the EXACT power consumption (W) of each new LED indicator lamp in the circuit?

YES

Use a «Tailor made» LED Flasher unit.



NO

Use an ILS LED Flasher unit, connecting an ILS booster for each LED indicator lamp in the circuit.



Use an ILS LED Flasher unit & LED indicator lamps with integrated pulse.



NO

Is the Flasher unit installed in the vehicle conform with ISO 13207-1 standard?

YES

Use new LED indicator lamps with integrated pulse.

Connect an ILS booster for each LED indicator lamp in the circuit.



NO

Use a single LED Light Link for one pair (RX&LX) of LED indicator lamp.

