



Concern : Interpretation of ECE "fast track" decisions on bend lighting

Refer to documents GRE 2001/15, TRANS WP29 2002/11 and TRANS WP29 2002/13

Clepa would like to know how to apply the failure mode provisions in the case where the A and A' lamps are rotating lowbeams of category 1, i.e. capable of swiveling around a vertical axis. The A lamp and the A' lamp may rotate to the right when the steering wheel is in a position corresponding to a right turn. Symmetrical possibilities apply when the steering wheel is in a position corresponding to a left turn.

In case of failure of the A lamp when in a rotated position, a flashing warning light comes on. On top of that, Clepa contemplates many possibilities to satisfy the failure mode provisions of the documents above.

Solution 1 :

The system switches off A and switches on B in the same headlamp. B produces at least 5 lux at 25V, and not more than a lowbeam above the HH line.

Solution 2 :

The system switches off A and switches on D in another lamp. D produces at least 5 lux at 25V, and not more than a lowbeam above the HH line.

Solution 3 :

The system switches off A and switches on D and D' in two other lamps. The summation of the lighting values at 25V of D and that of D' at 25V, is 5 lux or more. Neither D nor D' produces more than a lowbeam above the HH line.

Solution 4 :

The system switches off A. The A' lamp does not fail, and produces more than 5 lux when it is in a position that corresponds to driving along a straight road.

Solution 5 :

The system switches off A and switches on B, and also B' in another lamps. The summation of the lighting values at 25V of B and that of B' at 25V, is 5 lux or more. Neither B nor B' produces more than a lowbeam above the HH line.

Clepa respectfully asks the GRE to confirm that these four solutions satisfy the existing Regulations in respect of the above documents.

