

Proposal for Supplement 1 to the 01 series of Regulation No.98 (Headlamps with gas-discharge light sources)

Note: This Proposal Completely Replaces the Content of ECE/TRANS/WP.29/GRE/2010/44

This proposal completely replaces the content of ECE/TRANS/WP.29/GRE/2010/44 to add an additional requirement into paragraph 6.3.2 to require that all light sources are operated together to determine the maximum intensity of the Driving Beam. This follows a similar requirement in Regulation 112.

ECE/TRANS/WP.29/GRE/2010/44 also proposed that the changes should become a corrigendum to supplement 13 of Regulation 98 but, as the allowance to use LED modules as a light source for the Driving Beam is a substantive change, the proposal should become Supplement 1 to the 01 Series of Regulation 98.

The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Paragraph 6.3.2., amend to read:

“6.3.2. It is possible to use several light sources for the driving beam, these light sources being listed in ~~either~~ Regulation No. 37 (in this case the filament lamps shall be operated at their reference luminous flux), ~~or~~ **in** Regulation No. 99 **and/or they can be LED module(s). Where more than one light source is used to provide the driving beam, these light sources shall be operated simultaneously whilst determining the maximum value of luminous intensity (I_M).**

It is also possible that a part of the driving beam...”

II. Justification

With the adoption of single bi-functional passing and driving beam projector systems for reasons of weight reduction and improved installation on the vehicle, there is a need to provide solutions to ensure a good driving beam performance through the use of supplementary light sources. Currently filament light sources are allowed in conjunction with gas discharge lamps to supplement the performance of the driving beam and it is proposed to extend the possibility to also allow LED modules. Compliance to the driving beam photometric requirements shall be verified by operating all light sources simultaneously and, as this was originally omitted from Regulation 98, the relevant wording existing in Regulation 112 has been added as part of this proposal.
