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**ECONOMIC COMMISSION FOR EUROPE**

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World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on Lighting and Light-Signalling (GRE)  
(Fifty-second session, 30 March - 2 April 2004,  
agenda item 8.)

DRAFT PROPOSAL FOR AMENDMENTS TO REGULATION No. 87

(Daytime running lights)

Transmitted by the expert from the Working Party "Brussels 1952" (GTB)

Note: The text reproduced below was prepared by the expert from GTB, in order to update the photometric requirements in Regulation No. 87, taking into account research results, and to promote the installation of dedicated daytime running lamps by vehicle manufacturers.

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Note: This document is distributed to the Experts on Lighting and Light-Signalling only.

List of contents,

ANNEXES, amend the list to read:

" .....

Annex 6 - Minimum requirements for sampling by an inspector

Annex 7 - Minimum angles required for light distribution in space"

Paragraphs 7.1. to 7.3., amend to read:

"7.1. The luminous intensity of the light emitted by each lamp shall not be less than 500 cd in the axis of reference.

7.2. Outside the reference axis and within the angular fields defined in the arrangement diagram in annex 7 to this regulation, the intensity of the light emitted by each lamp must:

7.2.1. In each direction corresponding to the points in the table of standard light distribution reproduced in annex [3] to this Regulation, be not less than the minimum specified in paragraph 7.1. above, multiplied by the percentage specified in the said table of the direction in question, and

7.2.2. not exceed 1500 cd in any direction the lamp is visible

7.3. Moreover,

7.3.1. throughout the field defined in the diagram in annex 7, the intensity of the light emitted must not be less than 1.0cd.

7.3.2. [As an alternative, at the discretion of the manufacturer, a minimum area of 12.5 cm<sup>2</sup> must be visible when measured from H-20° outboard to H-20° inboard, of the reference axis.]"

Paragraph 8., amend to read:

"8. ILLUMINATING SURFACE

The area of the illuminating surface shall be not less than 25 cm<sup>2</sup> and not more than 200 cm<sup>2</sup>."

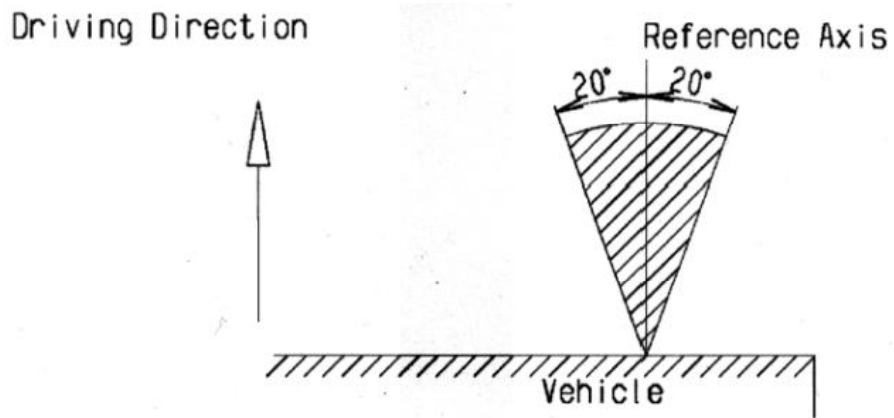
Insert a new annex 7, to read (see next page):

"Annex 7

MINIMUM ANGLES REQUIRED FOR LIGHT DISTRIBUTION IN SPACE

In all cases, the minimum vertical angles of light distribution in space are  $10^\circ$  above and  $5^\circ$  below the horizontal for DRL devices included in the Regulation.

Minimum horizontal angles of light distribution in space:



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