

Horizontally from line A by more than:

- (a) 0.5° to the left or 0.75° to the right, for right hand traffic or
- (b) 0.5° to the right or 0.75° to the left, for left hand traffic and

Vertically not more than 0.25° up or down from line B.

- 6.2.2.4. If, however, vertical adjustment cannot be performed repeatedly to the required position within the tolerances described in paragraph 6.2.2.3. above, the instrumental method of Annex 10, paragraphs 2. and 3. shall be applied to test compliance with the required minimum quality of the "cut-off" and to perform the vertical and horizontal adjustment of the beam."

Paragraph 6.2.3., amend to read:

- "6.2.3. When so aimed, the headlamp needs, if its approval is sought solely for a passing beam, to comply only with the requirements referred to in paragraphs 6.2.4. and 6.2.5. below; if it is intended to provide both a passing beam and a driving beam, it shall comply with the requirements set out in paragraphs 6.2.4. to 6.2.6. The values specified for Segment II in paragraph 6.2.5. do not apply to Annex 3, Screen 2."

Paragraph 6.2.4. should be deleted (including the reference to footnote 10/ and footnote 10/).

Paragraphs 6.2.5. (former), renumber as paragraph 6.2.4.

Paragraphs 6.2.5.1. to 6.2.5.3. (former), renumber as paragraphs 6.2.4.1. to 6.2.4.3. and amend to read:

- "6.2.4.1. One additional light source according to Regulation No. 37 or one or more additional LED module(s) may be used inside the passing beam headlamp to contribute to bend lighting.

- 6.2.4.2. One additional light source according to Regulation No. 37, or one or more LED module(s) inside the passing beam headlamp, may be used for the purposes of generating infrared radiation. It/they shall only be activated at the same time as the gas-discharge light source. In the event that the gas-discharge light source fails, this additional light source shall be automatically switched off.

The test voltage for the measurement with this additional light source or LED module(s) shall be the same as in paragraph 6.2.4.4.

- 6.2.4.3. In the event of failure of an additional light source or LED module, the headlamp shall continue to fulfil the requirements of the passing beam."

Paragraphs 6.2.5.4 and 6.2.6. (former), renumber as paragraphs 6.2.4.4. and 6.2.5.

Paragraph 6.2.7. (former), renumber as paragraph 6.2.6. and amend to read:

ECE/TRANS/WP.29/2007/74

Relating to ECE R98

This paragraph allows one additional R37 light source **OR** one or more LED modules to contribute to the passing beam **bend lighting**

This is the paragraph that needs corrections to allow one additional R37 light source **AND / OR** one or more LED modules to produce **infrared radiation**

ECE/TRANS/WP.29/2007/77
Relating to ECE R112

6.2.8.1.3. means of one additional filament light source or one or more LED module(s) without moving horizontally the kink of the elbow of the cut-off, measurements shall be carried out with this light source or LED module(s) activated.

Paragraphs 6.2.10. to 6.2.10.3., renumber as paragraphs 6.2.9. to 6.2.9.3. and amend to read:

*6.2.9. Only one filament light source or one or more LED module(s) are permitted for the principal passing beam. Additional light sources or LED modules are permitted only as follows (see Annex 10):

6.2.9.1. one additional light source according to Regulation No. 37 or one or more additional LED module(s) may be used inside the passing beam headlamp to contribute to bend lighting;

6.2.9.2. one additional light source according to Regulation No. 37 or one or more LED module(s), inside the passing beam headlamp, may be used for the purposes of generating infrared radiation. It/they shall only be activated at the same time as the principal light source or LED module(s). In the event that the principal light source or (one of) the principal LED module(s) fails, this additional light source or LED module(s) shall be automatically switched off;

6.2.9.3. in the event of failure of an additional filament light source or one or more additional LED module(s), the headlamp shall continue to fulfil the requirements of the passing beam."

Paragraph 6.3.1., amend to read:

*6.3.1. In the case of a headlamp designed to provide a driving beam and a passing beam, measurements of the illumination produced on the screen by the driving beam shall be taken with the same headlamp alignment as for measurements under paragraphs 6.2.4. to 6.2.6. above; in the case of a headlamp providing a driving beam only, it shall be so adjusted that the area of maximum illumination is centred on the point of intersection of lines H-H and V-V; such a headlamp need meet only the requirements referred to in paragraph 6.3. Where more than one light source is used to provide the driving beam, the combined functions shall be used to determine the maximum value of the illumination (EM)."

Paragraph 6.3.2., amend to read:

*6.3.2. Irrespective of the type of light source (LED module(s) or filament light source(s)) used to produce the principal passing beam, several light sources:
(a) either filament light sources listed in Regulation No. 37; or
(b) LED module(s) may be used for each individual driving beam.*

Paragraph 6.5., amend to read:

This paragraph clearly expresses the decision of GRE to only allow one filament light source **OR** one or more LED modules for the **principal passing beam**

This paragraph allows one additional R37 light source **OR** one or more LED modules to contribute to the passing beam **bend lighting**

This is the paragraph that needs corrections to allow one additional R37 light source **AND / OR** one or more LED modules to produce **infrared radiation**