27 November 2013

Agreement

Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions*

(Revision 2, including the amendments which entered into force on 16 October 1995)

Addendum 36: Regulation No. 37

Revision 7 – Amendment 4

Supplement 41 to the 03 series of amendments - Date of entry into force: 3 November 2013

Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers



UNITED NATIONS

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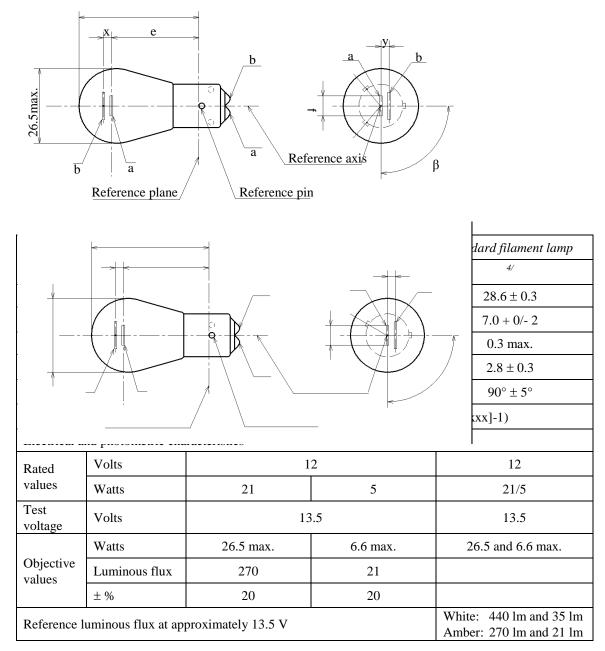
^{*} Former title of the Agreement: Agreement Concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958.

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Annex 1, the list of categories of filament lamps and their sheets, amend to read:
"....
Group 2
     PY21W
                                       PY21W/1
                                                                           (P21W/2)
     PY21/5W
                                       PY21/5W/1 to 3
     PY24W
                                       P24W/1 to 3
The list of sheets for filament lamps and their sequence, amend to read:
PY21W/1
PY21/5W/1 to 3
PY27/7W/1
Sheet PR27/7W/1, the table, the cap designation, amend to read:
 Cap WU2.5x16q in accordance with IEC Publication 60061 (sheet 7004-104D-1)
Insert new sheets PY21/5W/1 to 3, between sheet PY21W/1 and sheet PY27/7W/1, to read:
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Category PY21/5W

Sheet PY21/5W/1

The drawings are intended only to illustrate the essential dimensions (in mm) of the filament lamp



These dimensions shall be checked by means of a "box-system". See sheets PY21/5W/2 and PY21/5W/3. "x" and "y" refer to the major (high-wattage) filament, not to the reference axis.

Maximum lateral deviation of the major (high wattage) filament centre from two mutually perpendicular planes both containing the reference axis and one containing the axis of the reference pin.

The light emitted from normal production lamps shall be amber (see also note 4/).

The light emitted from standard filament lamps shall be white or amber.

Screen projection requirements

This test is used to determine, by checking whether:

- (a) The major (high wattage) filament is correctly positioned relative to the reference axis and reference plane and has an axis perpendicular, within ±15°, to the plane through the centres of the pins and the reference axis; and whether
- (b) The minor (low wattage) filament is correctly positioned relative to the major (high wattage) filament, whether a filament lamp complies with the requirements.

Test procedure and requirements

- 1. The filament lamp is placed in a holder capable of being rotated about its axis and having either a calibrated scale or fixed stops corresponding to the angular displacement tolerance limits. (i.e. 15°). The holder is then so rotated that an end view of the major filament is seen on the screen on which the image of the filament is projected. The end view of that filament shall be obtained within the angular displacement tolerance limits.
- 2. Side elevation

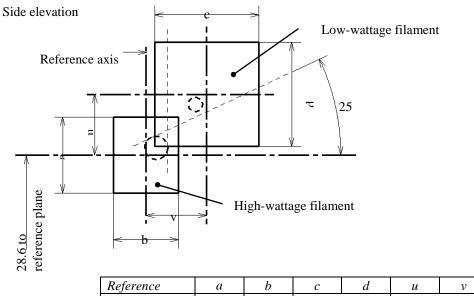
The filament lamp placed with the cap down, the reference axis vertical, the reference pin to the right and the major filament seen end-on:

- 2.1. The projection of the major filament shall lie entirely within a rectangle of height "a" and width "b", having its centre at the theoretical position of the centre of the filament;
- 2.2. The projection of the minor filament shall lie entirely:
- 2.2.1. within a rectangle of width "c" and height "d" having its centre at a distance "v" to the right of and at a distance "u" above the theoretical position of the centre of the major filament;
- 2.2.2. Above a straight line tangential to the upper edge of the projection of the major filament and rising from left to right at an angle of 25°.
- 2.2.3. To the right of the projection of the major filament
- 3. Front elevation

The filament lamp being placed with the cap down and the reference axis vertical, the filament lamp being viewed in a direction at right angles to axis of the major filament:

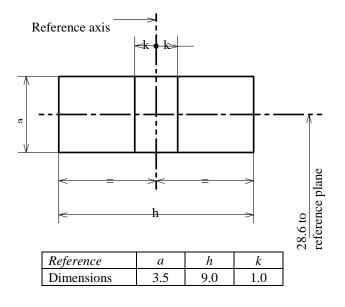
- 3.1. The projection of the major filament shall lie entirely within a rectangle of height "a" and width "h", centred on the theoretical position of the centre of the filament:
- 3.2. The centre of the major filament shall not be offset by more than distance "k" from the reference axis.
- 3.3. The centre of the minor filament axis shall not be offset from the reference axis by more than ± 2 mm (± 0.4 mm for standard filament lamps).

Dimensions in mm



Reference	а	b	С	d	и	v
Dimensions	3.5	3.0	4.8		2.8	

Front elevation



Annex 5,

Paragraph 2.3.3., amend to read:

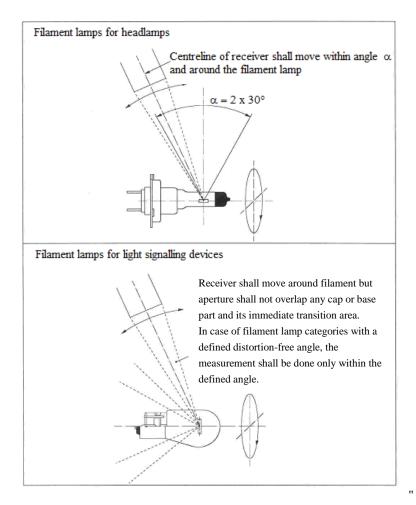
- "2.3.3. For filament lamps used in light signalling devices, measurements shall be made in directions around the filament lamp with exception of:
 - The area claimed or covered by the cap of the filament lamp; and (a)
 - The immediate transition area along the cap. (b)

In case of filament lamps with two filaments, the centre of the major filament shall be taken

In case of filament lamp categories with a defined distortion-free angle, the measurement shall be done only within the defined angle."

The figure illustrating the positions of colorimetric receiver, the text in the lower part, amend to read:

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6