UNITED
NATIONS

E

Economic and Social
Council

Distr.

GENERAL

TRANS/WP.29/670
16 April 1999

ENGLISH
Original: ENGLISH and
FRENCH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

Working Party on the Construction of Vehicles

DRAFT SUPPLEMENT 18 TO THE 03 SERIES OF AMENDMENTS TO REGULATION No. 37

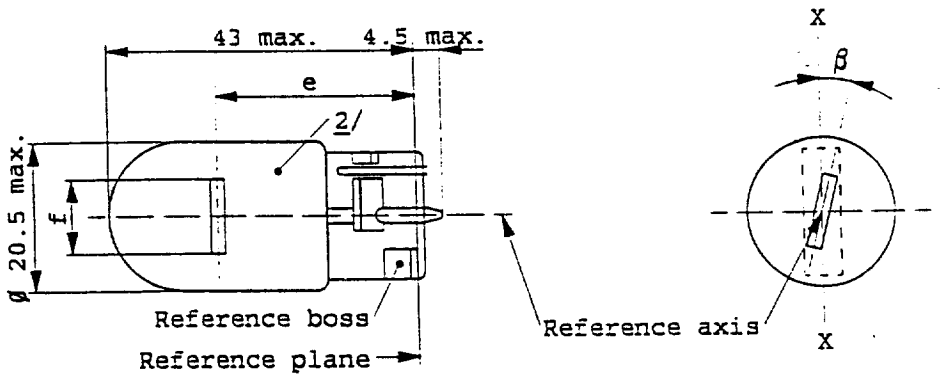
(Filament lamps)

Note: The text reproduced below was adopted by the Administrative Committee (AC.1) of the amended 1958 Agreement at its eleventh session, following the recommendation by the Working Party at its one-hundred-and-seventeenth session. It is based on document TRANS/WP.29/1999/10, not amended (TRANS/WP.29/663, para. 119).

List of contents annexes.

Annex 1, delete "Sheets H2" and add at the end of the list "Sheets WY21W".

Annex 1, remove Sheets H2 and add at the end new Sheets WY21W/1 to WY21W/2 to read:



DIMENSIONS in mm	Filament lamps of normal production			Standard 4/ filament lamp
	min.	nom.	max.	
e		29.0 3/		29.0 ± 0.3
f			7.5	7.5 $^{+0}_{-2}$
Lateral deviation 1/			3/	0.3 max
β	-15° 3/	0°	+15° 3/	0° ± 5°
Cap WX 3x16d in accordance with IEC Publ. 61 (sheet 7004-105-2)				
ELECTRICAL AND PHOTOMETRIC CHARACTERISTICS				
Rated values	Volts	12		12
	Watts	21		21
Test voltage	Volts	13.5		
Objective values	Watts	26.5 max		26.5 max at 13.5 V
	Luminous flux lm	280		
	±%	20		
Reference luminous flux : Amber bulb: 280 lm Clear bulb: 460 lm at approx. 13.5 V				

1/ Maximum lateral deviation of filament centre from two mutually perpendicular planes both containing the reference axis and one containing the axis X-X.

2/ The bulb of production lamps shall be amber. (See also note 4/).

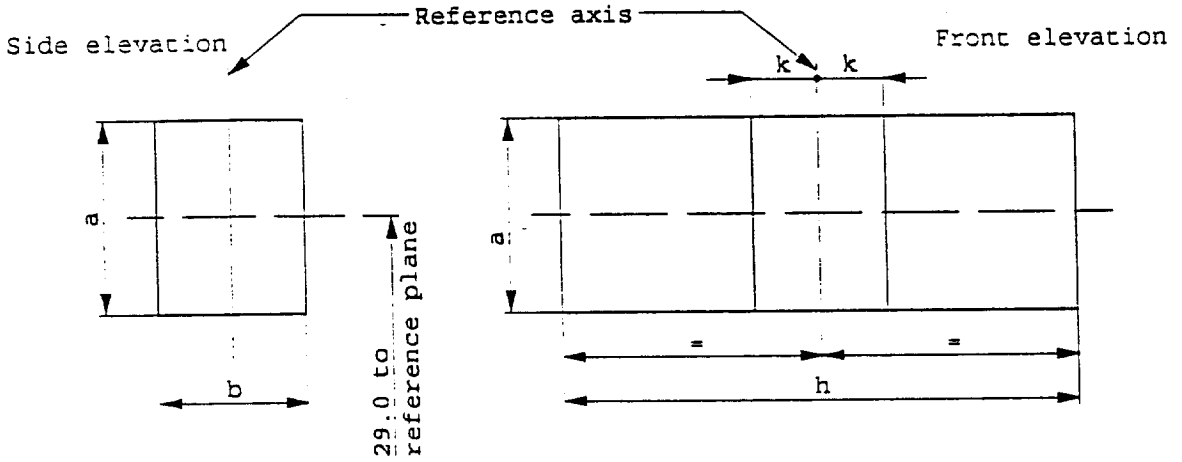
3/ To be checked by means of a box system, sheet WY21W/2.

4/ The bulb of standard filament lamps shall be amber or clear. For amber standard filament lamps, changes of the bulb temperature shall not affect the luminous flux which might impair photometric measurements of signalling devices. Moreover the colour shall be in the lower part of the tolerance area.

CATEGORY WY21W **Sheet WY21W/2**

Screen projection requirements

This test is used to determine, by checking whether the filament is correctly positioned relative to the reference axis and the reference plane and has an axis perpendicular, within ± 15°, to the plane through the axis X-X and the reference axis, whether a filament lamp complies with the requirements.



Reference	a	b	h	k
Dimension	3.5	3.0	9.5	1.0

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 filament is seen on the screen on to which the image of the filament is projected. The end view of the filament shall be obtained within the angular displacements tolerance limits (± 15°).

2. Side elevation
The filament lamp placed with the cap down, the reference axis vertical and the filament seen end-on, the projection of the 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.

3. Front elevation
The filament lamp placed with the cap down and the reference axis vertical, the filament lamp being viewed in a direction at right angles to the filament axis:

3.1. the projection of the filament shall lie entirely within a rectangle of height "a" and width "h", having its centre at the theoretical position of the centre of the filament;

3.2. the centre of the filament shall not be offset by more than distance "k" from the reference axis.