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**ECONOMIC COMMISSION FOR EUROPE**

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Sixty second session

Geneva, 6 - 9 October 2009

Item 3 of the provisional agenda

REGULATION No. 37  
(Filament lamps)

Proposal for Supplement 35 to the 03 series of amendments to Regulation No. 37

Submitted by the experts from India and the Working Party "Brussels 1952" \*/

The text reproduced below was prepared by the experts from India and the Working Party "Brussels 1952" (GTB) in order to introduce into Regulation No. 37 new light source categories W10W, WY10W and WY16W for signalling lamps. It supersedes ECE/TRANS/WP.29/GRE/2008/27 distributed during the sixtieth session of the Working Party on Lighting and Light-Signalling (GRE) (ECE/TRANS/WP.29/GRE/60, para. 5.). The modifications to the existing text of the Regulation, including draft Supplement 34 to the 03 series of amendments, are marked in bold characters.

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\*/ In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles. The present document is submitted in conformity with that mandate.

A. PROPOSAL

The list of contents, the annexes, amend to read:

Annex 1,

The list of categories of filament lamps, grouped, and their sheet numbers, amend to read:

"Group 2:

Only for use in signalling lamps, cornering lamps, reversing lamps and rear registration plate lamps:

<u>Category</u>	<u>Sheet number(s)</u>
C5W	C5W/1
....	
W5W	W5W/1
<b>W10W</b>	<b>W10W/1</b>
W15/5W	W15/5W/1 to 3
W16W	W16W/1
....	
WY5W	W5W/1
<b>WY10W</b>	<b>W10W/1</b>
<b>WY16W</b>	<b>W16W/1</b>
WY21W	WY21W/1 to 2
...."	

List of sheets for filament lamps and their sequence in this annex, amend to read:

"

<u>Sheet number(s)</u>
...
C5W/1
...
W5W/1
<b>W10W/1</b>
W15/5W/1 to 3
...."

Insert a new sheet W10W/1, between sheet W5W/1 and sheet W15/5W/1, to read:  
(see next pages).

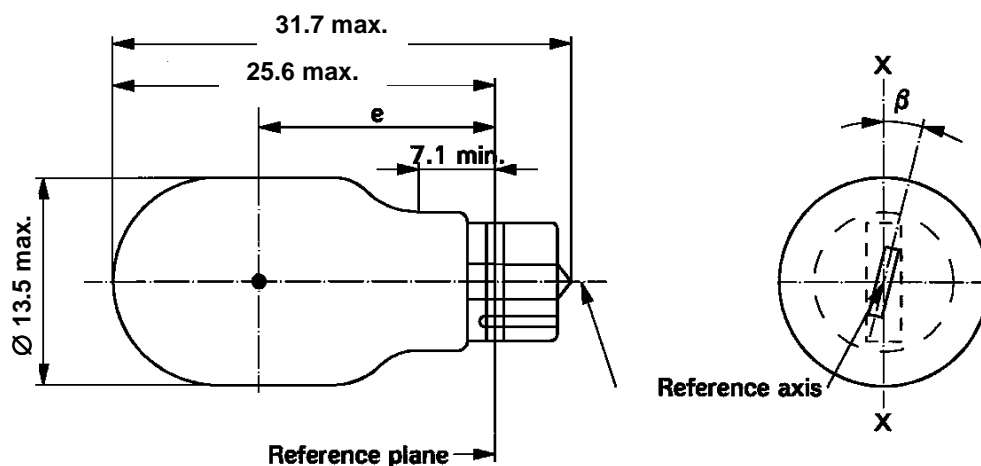
Replace sheet W16W /1, by a new sheet, to read: (see next pages).

"

**CATEGORIES W10W and WY10W**

**Sheet W10W/1**

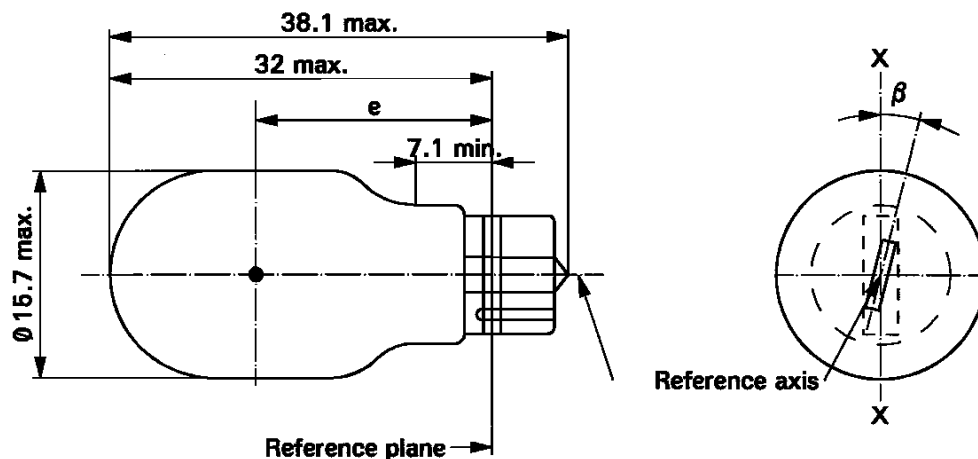
The drawings are intended only to illustrate the essential dimensions (in mm) of the filament lamp



Dimensions in mm		Filament lamps of normal production			Standard filament lamp
		min.	nom.	max.	
e		15.5	17.0	18.5	17.0 ± 0.3
Lateral deviation	<u>1/</u>			1.0	0.5 max.
$\beta$		-15°	0°	+ 15°	0° ± 5°
Cap W2.1x9.5d in accordance with IEC Publication 60061 (sheet 7004-91-3)					
<b>ELECTRICAL AND PHOTOMETRIC CHARACTERISTICS</b>					
Rated values	Volts	6		12	12
	Watts	10			10
Test voltage	Volts	6.75	13.5		13.5
Objective values	Watts	11 max.			11 max.
	Luminous flux	White	125 ± 20 %		
		Amber	75 ± 20 %		
Reference luminous flux at approximately 13.5 V:					White: 125 lm
					Amber: 75 lm

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

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



Dimensions in mm		Filament lamps of normal production			Standard filament lamp
		min.	nom.	max.	
e		18.3	20.6	22.9	20.6 ± 0.3
Lateral deviation <sup>1/</sup>				1.0	0.5 max.
β		-15°	0°	+ 15°	0° ± 5°
Cap W2.1x9.5d in accordance with IEC Publication 60061 (sheet 7004-91-3)					
ELECTRICAL AND PHOTOMETRIC CHARACTERISTICS					
Rated values	Volts		12		12
	Watts		16		16
Test voltage	Volts		13.5		13.5
Objective values	Watts		21.35 max.		21.35 max.
	Luminous flux	White	310 ± 20 %		
		Amber	190 ± 20 %		
Reference luminous flux at approximately 13.5 V:					White: 310 lm
					Amber: 190 lm

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

B. JUSTIFICATION

This proposal is intended to introduce new light source categories for signalling lamps W10W, WY10W and WY16W into Regulation No. 37. Category W16W category already exists in Regulation No. 37.

These light sources will be useful for direction indicator lamps of category L vehicles due to the tight fit characteristics of the wedge base cap/holder system and the resulting positive effects on reliability of operation and lifetime.

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