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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

Sixtieth session
Geneva, 1 - 3 October 2008
Item 3(a) of the provisional agenda

REGULATION No. 37
(Filament lamps)

Proposal for Supplement 33 to the 03 series of amendments to Regulation No. 37

Submitted by the expert from the Working Party "Brussels 1952" */

The text reproduced below was prepared by the expert from the Working Party "Brussels 1952" (GTB) in order to introduce into Regulation No. 37 the provisions for new categories of filament light sources H10W and HY10W. The proposal is based on the current text of the Regulation including draft Supplement 32 to the 03 series of amendments (ECE/TRANS/WP.29/2008/84). The modifications to the existing text of the Regulation are marked in bold characters.

*/ 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

Annex 1,

The list of categories of filament lamps and their sheets, amend to read:

"

Group 2

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

Category	Sheet number(s)
C5W	C5W/1
H6W	H6W/1
H10W	**H10W/1 to 2**
HY6W	H6W/1
HY10W	**H10W/1 to 2**
HY21W	H21W/1 to 2
...	…

"

The list of sheets for filament lamps and their sequence, amend to read:

"

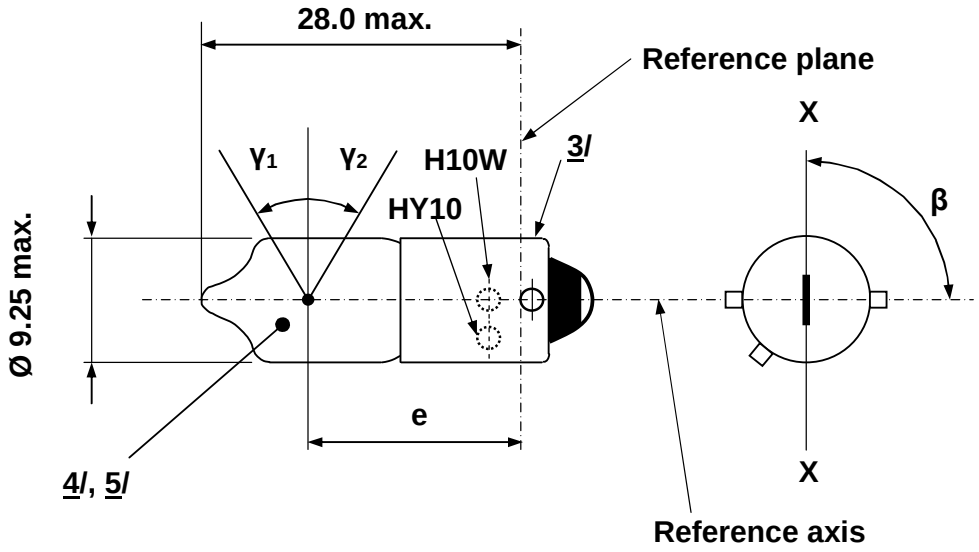
Sheet number(s)
…
H6W/1
H10W/1 to 2
H21W/1 to 2
…

"

Insert new sheets H10W/1 to 2, between sheet H6W/1 and sheet H21W/1, to read (see next pages):

CATEGORIES H10W AND HY10W **Sheet H10W/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			14.25	15.0	15.75	15.0 ± 0.25
Lateral deviation 1/					0.75	0.4 max
□			82.5°	90°	97.5°	90° ± 5°
γ1, γ2 2/			30 °			30° min.
Cap:	H10W:	BAU9s	in accordance with IEC Publication 60061 (sheet 7004-[...])			
	HY10W	BAUZ9s	in accordance with IEC Publication 60061 (sheet 7004-[...])			
ELECTRICAL AND PHOTOMETRIC CHARACTERISTICS						
Rated values	Volts		12			12
	Watts		10			10
Test voltage	Volts		13.5			13.5
Objective values	Watts		12 max.			12 max.
	Luminous flux	H10W	200 ± 12 %			
		HY10W	120 ± 17 %			
Reference luminous flux at approximately 13.5 V						White: 200 lm Amber: 120 lm

CATEGORIES H10W AND HY10W **Sheet H10W/2**

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

2/ In the area between the outer legs of the angles $\gamma 1$ and $\gamma 2$, the bulb shall have no optically distorting areas and the curvature of the bulb shall have a radius not less than 50 % of the actual bulb diameter.

3/ Over the entire length of the cap there shall be no projections or soldering exceeding the permissible maximum diameter of the cap.

4/ The light emitted from filament lamps of normal production shall be white for category H10W and amber for category HY10W.

5/ The light emitted from standard filament lamps shall be white for category H10W and amber or white for category HY10W.

B. JUSTIFICATION

The market shows the need of new light sources for signalling lamps, in particular on motorcycles, with higher efficiency, high vibration resistance, higher lifetime and smaller dimensions, and preferably described by Regulation No. 37.

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