



**Economic and Social
Council**

Distr.
GENERAL

ECE/TRANS/WP.29/GRE/2006/36
21 July 2006

Original: ENGLISH
ENGLISH AND FRENCH ONLY

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on Lighting and Light-Signalling (GRE)

Fifty-seventh session

2-6 October 2006

Item 3.3. of the provisional agenda

PROPOSAL FOR DRAFT SUPPLEMENT 29 TO THE 03 SERIES OF AMENDMENTS TO
REGULATION No. 37

(Filament lamps)

Submitted by the expert from the Working Party "Brussels 1952" (GTB)

Note: The text reproduced below was prepared by the expert from GTB in order to introduce into the Regulation the reference luminous flux values at approximately 13.2 V for the appropriate filament lamp categories. The proposal is based on the current text of the Regulation (up to Supplement 26 to the 03 series of amendments) as well as on draft Supplements 27 and 28 to the 03 series of amendments (ECE/TRANS/WP.29/2006/12 and ECE/TRANS/WP.29/2006/82). The modifications to the existing text of the Regulation are marked in **bold** characters.

Note: This document is distributed to the Experts on Lighting and Light-Signalling only.

A. PROPOSAL

Annex 1,

The title of Annex 1, the footnote */, amend to read:

"/ Tables, Electrical and Photometric characteristics:
 Voltage is expressed in V;
 Wattage is expressed in W;
 Luminous flux is expressed in lm.

In a case that for a category of filament lamp more than one value of reference luminous flux is specified, the value at approximately 12 V for approval of a lighting device and 13.5 V for approval of a light-signalling device shall be applied unless otherwise specified by the regulation used for the approval of the device."

Sheet H1/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,150
	13.2 V	1,550"

Sheet H3/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,100
	13.2 V	1,450"

Sheet H4/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,250	750
	13.2 V	1,650	1,000"

Sheet H7/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,100
	13.2 V	1,500"

Sheet H8/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	600
	13.2 V	800"

Sheet H9/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,500
	13.2 V	2,100"

Sheet H10/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	600
	13.2 V	850"

Sheet H11/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,000
	13.2 V	1,350"

Sheet H12/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	775
	13.2 V	1,050"

Sheet H13/4, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	800	1,200
	13.2 V	1,100	1,700"

Sheet H14/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	860	1,300
	13.2 V	1,150	1,750"

Sheet H21W/1, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	White: 415 lm
	13.2 V	White: 560 lm
	13.5 V	White: 600 lm"

Sheet H27W/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	350 lm
	13.2 V	450 lm
	13.5 V	477 lm"

Sheet HB3/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,300
	13.2 V	1,860"

Sheet HB4/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	825
	13.2 V	1,095"

Sheet HIR1/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,840
	13.2 V	2,500"

Sheet HIR2/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	1,355
	13.2 V	1,875"

Sheet HS1/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	700	450
	13.2 V	825	525"

Sheet HS5/3, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous at approximately	12 V	460	380
	13.2 V	620	515"

Sheet P24W/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux at approximately	12 V	White: 345 lm
	13.2 V	White: 465 lm
	13.5 V	White: 500 lm Amber: 300 lm Red: 115 lm"

Sheet S1/S2/2, the table, the last row (corresponding to standard filament lamps), amend to read:

"

Reference luminous flux	S1	at approximately	6 V	398	284
	S2	at approximately	12 V	568	426
			13.2 V	634	457
			13.5 V	650	465"

B. JUSTIFICATION

The draft proposal concerns the introduction of a reference luminous flux at approximately 13.2 V for light source categories used in lighting devices. This is intended to avoid a difference of test voltages for the same device when different light sources are applied. Moreover, the value of 12 V at which the reference luminous flux for lighting devices is currently specified is lower than the test voltage of 13.2 V at which usually the objective luminous flux is specified.

The draft proposal does not require an industrial change. The proposed values for reference luminous flux at 13.2 V are equal to the value of the objective luminous flux.

For light sources used in light-signalling devices the approximate voltage, at which the reference luminous flux is specified, is usually equal to the test voltage at which the objective luminous flux is specified: this remains unchanged.
