



Economic and Social Council

Distr.: General
10 August 2018

Original: English

Economic Commission for Europe

Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Lighting and Light-Signalling

Eightieth session

Geneva, 23-26 October 2018

Item 5 of the provisional agenda

UN Regulations Nos. 37 (Filament lamps), 99 (Gas discharge light sources), 128 (Light emitting diodes light sources) and the Consolidated Resolution on the common specification of light source categories.

Proposal for amendment 3 to the Consolidated Resolution on the common specification of light source categories

Submitted by the expert from the International Automotive Lighting and Light Signalling Expert Group (GTB)*

The text reproduced below was prepared by the expert from GTB to amend light source category LR4 in the Consolidated Resolution on the common specification of light source categories (R.E.5) (ECE/TRANS/WP.29/1127). There is an associated amendment to UN Regulation No. 128 (ECE/TRANS/WP.29/ GRE/2018/49). The modifications to the existing text of the Resolution are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21/Add.1, cluster 3.1), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate

GE.18-13189(E)



* 1 8 1 3 1 8 9 *

Please recycle The recycling symbol, consisting of three chasing arrows forming a triangle.



I. Proposal

The Status table, amend to read:

“Status table

This consolidated version of this Resolution contains all provisions and amendments adopted so far by the World Forum for Harmonization of Vehicle Regulations (WP.29) and is valid from the date as indicated in the following table until the date on which the next revision of this Resolution becomes valid:

Version of the Resolution	Date * as from which the version is valid	Adopted by WP.29		Clarification
		Session No.	Amendment document No.	
Original	22.06.2017	170	ECE/TRANS/WP.29/1127	Based upon Annexes 1 of Regulations: <ul style="list-style-type: none"> • No. 37, up to and including Supplement 44 • No. 99, up to and including Supplement 11 • No. 128, up to and including Supplement 5
[2]	[2018-xx-xx]	[174]	[ECE/TRANS/WP.29/2018/32]	Amended details in sheets: C21W/2, H1/1, H3/1, H3/2, H4/4, H9/1, H11/2, H13/4, H14/1, H15/5, H20/3, H20/4, HIR2/1, HS6/1, P13W/3, P21W/1, P21/5W, P27/7W/3, PSX26W/3, R5W/1, R10W/1, T1.4W/1, W15/5W/1, W21/5W/1, WT21W/1
[3]	[2018-xx-xx]	[174]	[ECE/TRANS/WP.29/2018/33/Rev.1]	Introduction of new light emitting diode (LED) forward lighting light source categories L1A/6 and L1B/6 as a package with Supplement [7] to Regulation No.128
[4]	[2018-xx-xx]	[177]	[ECE/TRANS/WP.29/2019/xx]	Amendment to light source categories LR4 as a package with Supplement [8] to Regulation No.128

* This date is the date of adoption of the amendment to the Resolution by WP.29 or the date of entering into force of an amendment to Regulation No. 37, 99 or 128 adopted by the Administrative Committee AC.1 as a package with the amendment to the Resolution in the same session of WP.29.

”

Sheet LR4/2, the table, add footnote 10 and amend to read:

“

Electrical and photometric characteristics ⁵					
Rated values		Minor function	Major function	Minor function	Major function
		Volts	12		12
	Watts	0.75	3	0.75	3
Objective Values ⁶	Watts (at 13.5 V DC)	1.0 max.	3.5 max.	1.0 max.	3.5 max.
	Luminous flux (in lm at 13.5 V DC)	6 ± 20%	80 ± 20% ⁷	6 ± 10% ¹⁰	80 ± 10% ⁸
	Luminous flux (in lm at 9 V DC)	1.5 min.	19 min.		

^{1/} The reference plane is the plane defined by the contact points of the cap-holder fit.

^{2/} The reference axis is perpendicular to the reference plane and passing through the centre of the Bayonet core.

^{3/} Light emitting area: to be checked by means of the box system in Figure 2

^{4/} A minimum free air space of 5mm around the LED light source shall be respected for convection.

^{5/} The emitted light shall be red.

^{6/} After continuous operation for 30 minutes at 23 ± 2.5° C.

^{7/} The measured value shall be in between 100 per cent and 70 per cent of the value measured after 1 minute.

^{8/} The measured value shall be in between 85 per cent and 75 per cent of the value measured after 1 minute.

^{9/} Light centre length

^{10/} **The measured value shall be in between 100 per cent and 80 per cent of the value measured after 1 minute"**

II. Justification

1. The proposed changes to UN Regulation No. 128, Annex 4 in relation to the 1 min/30 min ratio (ECE/TRANS/WP.29/GRE/2018/49) would affect the requirements of standard light sources in case of LR4 category, and this is not intended. Consequently the category sheet of LR4 needs to be amended in order to maintain the current requirements for the LR4 standard light sources.

2. GTB proposes the addition of a footnote in sheet LR4/2 to ensure that the technical requirements of the LR4 standard light sources remain unchanged, and are not affected by the proposed changes to Annex 4 of UN Regulation No. 128.