

26 July 2017

Agreement

Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions*

(Revision 2, including the amendments which entered into force on 16 October 1995)

Addendum 127 - Regulation No. 128

Amendment 6

Supplement 6 to the original version of the Regulation – Date of entry into force: 22 June 2017

Uniform provisions concerning the approval of light emitting diode (LED) light sources for use in approved lamp units on power-driven vehicles and their trailers

This document is meant purely as documentation tool. The authentic and legal binding texts is: ECE/TRANS/WP.29/2016/86.



UNITED NATIONS

* Former title of the Agreement: Agreement Concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958.

The title of the Regulation, amend to read:

"Uniform provisions concerning the approval of Light Emitting Diode (LED) light sources for use in approved lamps on power-driven vehicles and their trailers"

Paragraph 1., amend to read:

"1. Scope

This Regulation applies to LED light sources shown in Annex 1 and intended for use in approved lamps of power-driven vehicles and of their trailers."

Paragraph 3.1. and its subparagraphs, replace to read:

"3.1. Definitions

The definitions given in Resolution R.E.5 or its subsequent revisions, applicable at the time of application for type-approval, shall apply.

Paragraph 3.2.7., amend to read:

"3.2.7. The solid state junction(s) and possibly one or more elements for fluorescence-based conversion shall be the only element(s) of the LED light source that generate(s) and emit(s) light when energized."

Paragraphs 3.4. and 3.4.1., amend to read:

"3.4. Position and dimensions of light emitting area

3.4.1. The position and dimensions of the light emitting area shall conform to the requirements as given on the relevant data sheet of Annex 1."

Annex 1, amend to read:

"Annex 1

Sheets¹ for LED light sources

The sheets of the relevant LED light source category and the group in which this category is listed with restrictions on the use of this category shall apply as incorporated in Resolution R.E.5 or its subsequent revisions, applicable at the time of application for type approval of the LED light source.

¹ From 22 June 2017 onwards, the sheets for gas-discharge light sources, the list and group of light source categories with restrictions on the use of this category and their sheet numbers are incorporated in Resolution R.E.5 with symbol ECE/TRANS/WP.29/2016/111."
Annex 6,

Table 1, amend to read:

"...

<i>Grouping of characteristics</i>	<i>Grouping* of test records between LED light source types</i>	<i>Minimum 12 monthly sample per grouping*</i>	<i>Acceptable level of non-compliance per grouping of characteristics (percentage)</i>
Marking, legibility and durability	All types with the same external dimensions	315	1
External LED light source dimensions (excluding cap/base)	All types of the same category	200	1
Dimensions of caps and bases	All types of the same category	200	6.5
Dimensions related to light emitting surface and internal elements**	All LED light sources of one type	200	6.5
Initial readings, power, colour and luminous flux**	All LED light sources of one type	200	1
Normalised luminous intensity or cumulative luminous flux distribution	All LED light sources of one type	20	6.5

Table 3, header row, amend to read:

<i>Number of LED light sources in records</i>	<i>Qualifying limit</i>	<i>Number of LED light sources in records</i>	<i>Qualifying limit</i>	<i>Number of LED light sources in records</i>	<i>Qualifying limit</i>
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