

22 June 2015

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 112 – Regulation No. 113

Revision 3 - Amendment 3

Supplement 4 to the 01 series of amendments – Date of entry into force: 15 June 2015

Uniform provisions concerning the approval of motor vehicle headlamps emitting a symmetrical passing-beam or a driving-beam or both and equipped with filament, gas-discharge light sources or LED modules

This document is meant purely as documentation tool. The authentic and legal binding texts are:

- ECE/TRANS/WP.29/2014/63
- ECE/TRANS/WP.29/2013/93/Rev.1 (as amended by paragraph 68 of the report ECE/TRANS/WP.29/1112).



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.

Paragraph 5.3.1., amend to read:

"5.3.1. Headlamps shall be equipped with filament lamp(s) approved according to Regulation No. 37 and/or, with (an) LED module(s).

In the case of the use of additional light source(s) and/or additional lighting unit(s) to provide bend lighting, only categories of filament lamps covered by Regulation No. 37, provided that no restriction on the use for bending light is made in Regulation No. 37 and its series of amendments in force at the time of application for type approval, and/or LED modules(s) shall be used."

Paragraph 5.3.3.3., amend to read:

"5.3.3.3. The total objective luminous flux of all LED modules producing the principal passing-beam shall be measured as described in paragraph 5. of Annex 12. The following minimum and maximum limits shall apply:

	<i>Headlamps Class A</i>	<i>Headlamps Class B</i>	<i>Headlamps Class C</i>	<i>Headlamps Class D</i>
Principal passing-beam minimum	150 lumens	350 lumens	500 lumens	1,000 lumens
Principal passing-beam maximum	900 lumens	1,000 lumens	2,000 lumens	2,000 lumens

"

Annex 1,

Item 9, amend to read:

"9. Brief description:

Category as described by the relevant marking:³

Number and category(ies) of filament lamp(s), if any:

Number and category(ies) of gas-discharge light source, if any:

Number and specific identification code(s) of LED modules and for each LED module statement whether it is replaceable or not: (yes/no)².....

Number and specific identification code(s) of electronic light source control gear(s), if any:

..."

Annex 8, amend to read:

"Annex 8

Overview of operational periods concerning test for stability of photometric performance

Abbreviations: P: passing-beam lamp

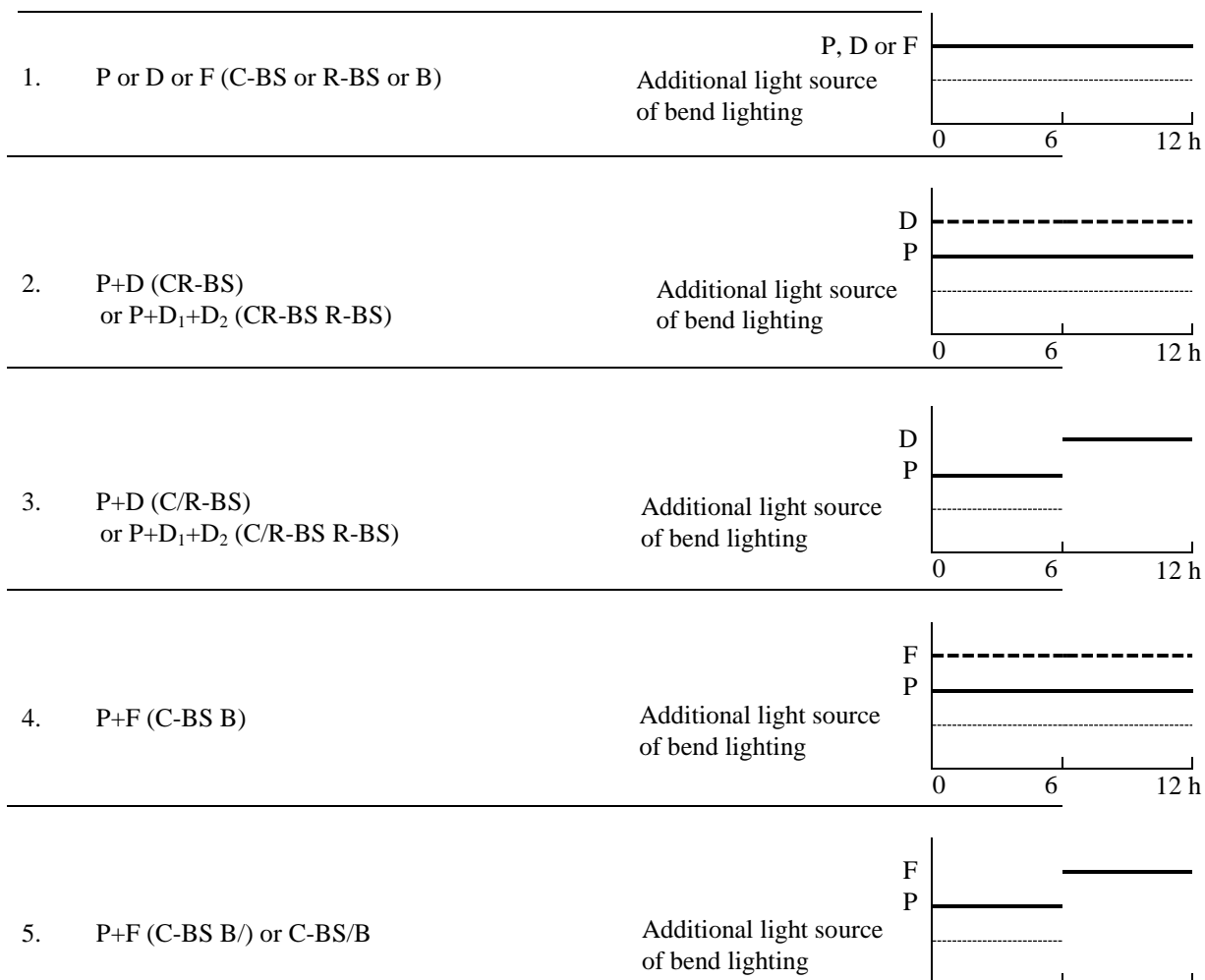
D: driving-beam lamp (D₁ + D₂ means two driving-beams)

F: front fog lamp

----- : means a cycle of 15 minutes off and 5 minutes lit.

..... : means a cycle of 9 minutes off and 1 minutes lit.

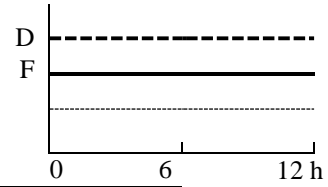
All following grouped headlamps and front fog lamps together with the added Class B marking symbols are given as examples and are not exhaustive.



0 6 12 h

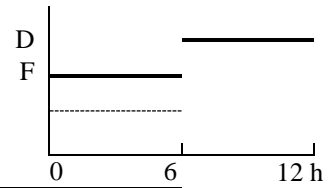
6. D+F (R-BS B) or
 D₁+D₂+F (R-BS R-BS B)

Additional light source
 of bend lighting



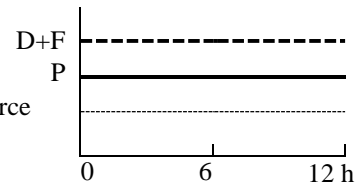
7. D+F (R-BS B/) or
 D₁+D₂+F (R-BS R-BS B/)

Additional light source
 of bend lighting



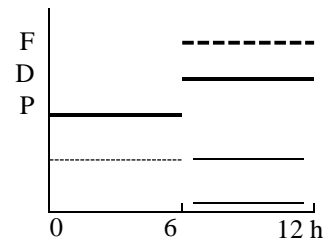
8. P+D+F (CR-BS B)
 or P+D₁+D₂+F (CR-BS R-BS B)

Additional light source
 of bend lighting



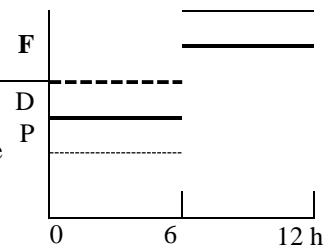
9. P+D+F (C/R-BS B)
 or P+D₁+D₂+F (C/R-BS R-BS B)

Additional light source
 of bend lighting



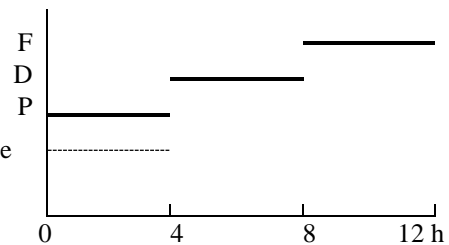
10. P+D+F (CR-BS B/)
 or P+D₁+D₂+F (CR-BS R-BS B/)

Additional light source
 of bend lighting



11. P+D+F (C/R-BS B/)
 or P+D₁+D₂+F (C/R-BS R-BS/B)

Additional light source
 of bend lighting



..."

