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| --- | --- | --- |
|  | E/ECE/324/Rev.1/Add.97/Rev.3/Amend.12−E/ECE/TRANS/505/Rev.1/Add.97/Rev.3/Amend.12 | |
|  |  | 8 December 2021 |

Agreement

Concerning the Adoption of Harmonized Technical United Nations Regulations 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 United Nations Regulations[[1]](#footnote-2)\*

(Revision 3, including the amendments which entered into force on 14 September 2017)

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Addendum 97 – UN Regulation No. 98

Revision 3 - Amendment 12

Supplement 2 to the 02 series of amendments – Date of entry into force: 30 September 2021

Uniform provisions concerning the approval of motor vehicle headlamps equipped with gas-discharge light sources

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2021/39

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**UNITED NATIONS**

*Paragraph 6.2.5.*, amend to read:

"6.2.5. After more than 10 minutes after ignition the luminous intensities at the test points referred to in the table below and in Annex 3, Figure B (or mirrored about the VV line for left-hand traffic) shall meet the following requirements:

| *Points or segments* | *Designation\*\** | *Luminous intensity (cd)* | | *Horizontal angle (degrees)* | *Vertical angle (degrees)* |
| --- | --- | --- | --- | --- | --- |
| *Max* | *Min* |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Any point in zone A  (bounded by the following coordinates in degrees) | | | | | | | | | 8L | 8L | 8R | 8R | 6R | 1,5R | V-V | 4L | | 1U | 4U | 4U | 2U | 1,5U | 1,5U | H-H | H-H | | | 625 |  |  |  |
| 1 | HV | 625 |  | 0 | 0 |
| 2 | B 50 L | 350 |  | 3.43 L | 0.57 U |
| 3 | 75 R |  | 12,500 | 1.15 R | 0.57 D |
| 4 | 50 L | 18,480 |  | 3.43 L | 0.86 D |
| 5 | 25 L1 | 18,800 |  | 3.43 L | 1.72 D |
| 6 | 50 V |  | 7,500 | 0 | 0.86 D |
| 7 | 50 R |  | 12,500 | 1.72 R | 0.86 D |
| 8 | 25 L2 |  | 2,500 | 9 L | 1.72 D |
| 9 | 25 R1 |  | 2,500 | 9 R | 1.72 D |
| 10 | 25 L3 |  | 1,250 | 15 L | 1.72 D |
| 11 | 25 R2 |  | 1,250 | 15 R | 1.72 D |
| 12 | 15 L |  | 625 | 20 L | 2.86 D |
| 13 | 15 R |  | 625 | 20 R | 2.86 D |
| 14 |  |  | \* | 8 L | 4 U |
| 15 |  |  | \* | 0 | 4 U |
| 16 |  |  | \* | 8 R | 4 U |
| 17 |  |  | \* | 4 L | 2 U |
| 18 |  |  | \* | 0 | 2 U |
| 19 |  |  | \* | 4 R | 2 U |
| 20 |  |  | 65 | 8 R | 0 |
| 21 |  |  | 125 | 4 L | 0 |
| A to B | Segment I |  | 3,750 | 5.15 L to 5.15 R | 0.86 D |
| C − D |  | 1,750 |  | 2.5 R | 1 U |
| E to F | Segment III and under | 12,500 |  | 9.37 L to 8.53 R | 4.29 D |
|  | I max R | 43,800 |  | Right of VV line | Above  1.72 D |
|  | I max L | 31,300 |  | Left of VV line |  |

*Note:* In the table:

Letter L means that the point or segment is located on the left of VV line.

Letter R means that the point or segment is located on the right of VV line.

Letter U means the point or segment is located above HH line.

Letter D means the point or segment is located below HH line

\* The luminous intensities at points 14 through 19 shall be such that:  
 14 + 15 + 16 ≥ 190 cd and

17 + 18 + 19 ≥ 375 cd.

\*\* For left-hand traffic, the letter R shall be replaced by letter L and vice versa.

…"

1. \* Former titles 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 (original version);

   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, done at Geneva on 5 October 1995 (Revision 2). [↑](#footnote-ref-2)