

8 December 2021

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## **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\***

(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 11**

Supplement 10 to the 01 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.29/2021/38



**UNITED NATIONS**

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\* 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).

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.

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