

5 December 2023

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)

Addendum 148 – UN Regulation No. 149

Amendment 8

Supplement 7 to the 00 series of amendments – Date of entry into force: 24 September 2023

Uniform provisions concerning the approval of road illumination devices (lamps) and systems for power-driven vehicles

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2023/37.



UNITED NATIONS

* 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).



Introduction, last paragraph, amend to read:

"Regarding the requirements for approval markings, this Regulation includes the requirements for the use of the 'Unique Identifier' and is conditional upon access to a secure internet database established by UNECE (in accordance with Schedule 5 of the 1958 Agreement) where all type approval documentation is held. When the 'Unique Identifier' is used there is no requirement for the lamps to carry the conventional type approval markings (E-mark). If it is technically not possible to use the 'Unique Identifier' (e.g. if the access to the UNECE internet database cannot be secured or the database is not operational), the use of conventional type approval markings is required until the use of the 'Unique Identifier' is enabled. In addition, the use of the 'Unique Identifier' shall only be possible if the corresponding Summary Document (ECE/TRANS/WP.29/1159, paragraph 89) has been defined in this Regulation and the database is providing access to the Summary Document."

Table 26, amend to read:

"Class E – Non-bending mode

Class E - non-bending mode		Position/deg				Column A		Column B		Column C			
Tabled requirements expressed in cd		horizontal			vertical		≅ 0% CoP		≅ 20% CoP		≅ 30% CoP		
No	Element	at/	from	to		at		min	max	min	max	min	max
1	B50L	L	3.43			U	0.57		625		880		1005
3	BR	R	2.5			U	1		1750		2100		2275
4	Point BRR	R	8			U	0.57		3550		4260		4615
5	Point BLL	L	8			U	0.57		880		1135		1260
7	Line III b	L	4	L	0.5	U	0.34		880		1135		1260
11	75 R	R	1.15			D	0.57	15200	79300	12160	95160	10640	103090
12	50 V	V				D	0.86	10100	79300	8080	95160	7070	103090
13	50 L	L	3.43			D	0.86	6800	79300 ¹	5440	95160 ¹	4760	103090 ¹

Note to Table 26:

¹ The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer's description that this value will not be exceeded in use, either by means of the system or, if the system's use is confined to vehicles, providing a corresponding stabilization/limitation of the system's supply, as indicated in the communication form.

Table 27, amend to read:

"Class E1 – Non-bending mode State

Class E1 – non-bending mode		Position/degrees				Column A		Column B		Column C			
Tabled requirements expressed in cd		horizontal			vertical		≅ 0% CoP		≅ 20% CoP		≅ 30% CoP		
No	Element	at/	from	to		at		min	max	min	max	min	max
1	B50L	L	3.43			U	0.57		530		700		785
3	BR	R	2.5			U	1		1750		2100		2275
4	Point BRR	R	8			U	0.57		3550		4260		4615
5	Point BLL	L	8			U	0.57		880		1135		1260
7	Line III b	L	4	L	0.5	U	0.34		880		1135		1260
11	75 R	R	1.15			D	0.57	15200	70500	12160	84600	10640	91650
12	50 V	V				D	0.86	10100	70500	8080	84600	7070	91650

Class E1 – non-bending mode		Position/degrees						Column A		Column B		Column C	
Tabled requirements expressed in cd		horizontal				vertical		± 0% CoP		± 20% CoP		± 30% CoP	
No	Element	at/	from	to		at		min	max	min	max	min	max
13	50 L	L	3.43			D	0.86	6800	70500 ¹	5440	84600 ¹	4760	91650 ¹

Note to Table 27:

¹ The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer's description that this value will not be exceeded in use, either by means of the system or, if the system's use is confined to vehicles, providing a corresponding stabilization/limitation of the system's supply, as indicated in the communication form.

"

Table 28, amend to read:

"Class E2 – Non-bending mode

Class E2 – non-bending mode		Position/degrees						Column A		Column B		Column C	
Tabled requirements expressed in cd		horizontal				vertical		± 0% CoP		± 20% CoP		± 30% CoP	
No	Element	at/	from	to		at		min	max	min	max	min	max
1	B50L	L	3.43			U	0.57		440		610		695
3	BR	R	2.5			U	1		1750		2100		2275
4	Point BRR	R	8			U	0.57		3550		4260		4615
5	Point BLL	L	8			U	0.57		880		1135		1260
7	Line III b	L	4	L	0.5	U	0.34		880		1135		1260
11	75 R	R	1.15			D	0.57	15200	61700	12160	74040	10640	80210
12	50 V	V				D	0.86	10100	61700	8080	74040	7070	80210
13	50 L	L	3.43			D	0.86	6800	61700 ¹	5440	74040 ¹	4760	80210 ¹

Note to Table 28:

¹ The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer's description that this value will not be exceeded in use, either by means of the system or, if the system's use is confined to vehicles, providing a corresponding stabilization/limitation of the system's supply, as indicated in the communication form.

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Table 29, amend to read:

"Class E3 – Non-bending mode

Class E3 – non-bending mode		Position/degrees						Column A		Column B		Column C	
Tabled requirements expressed in cd		horizontal				vertical		± 0% CoP		± 20% CoP		± 30% CoP	
No	Element	at/	from	to		at		min	max	min	max	min	max
1	B50L	L	3.43			U	0.57		350		520		605
3	BR	R	2.5			U	1		1750		2100		2275
4	Point BRR	R	8			U	0.57		3550		4260		4615
5	Point BLL	L	8			U	0.57		880		1135		1260
7	Line III b	L	4	L	0.5	U	0.34		880		1135		1260
11	75 R	R	1.15			D	0.57	15200	52900	12160	63480	10640	68770
12	50 V	V				D	0.86	10100	52900	8080	63480	7070	68770

<i>Class E3 - non-bending mode</i>		<i>Position/degrees</i>				<i>Column A</i>		<i>Column B</i>		<i>Column C</i>		
<i>Tabled requirements expressed in cd</i>		<i>horizontal</i>			<i>vertical</i>		$\cong 0\% \text{ CoP}$		$\cong 20\% \text{ CoP}$		$\cong 30\% \text{ CoP}$	
<i>No</i>	<i>Element</i>	<i>at/</i>	<i>from</i>	<i>to</i>	<i>at</i>		<i>min</i>	<i>max</i>	<i>min</i>	<i>max</i>	<i>min</i>	<i>max</i>
13	50 L	L	3.43		D	0.86	6800	52900 ¹	5440	63480 ¹	4760	68770 ¹

Note to Table 29:

¹ The maximum value may be multiplied by 1.4, if it is guaranteed according to the manufacturer's description that this value will not be exceeded in use, either by means of the system or, if the system's use is confined to vehicles, providing a corresponding stabilization/limitation of the system's supply, as indicated in the communication form.

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