

SLR-05-07

I. List of amendments to the 03 series of Regulation No. 37 (Filament lamps) up to and including Supplement 44

Paragraph	Topic	Relation to Resolution Par/ Annex	Justification/ Clarification
2.2.2.2.	Shape of the filament	P21W/1 P21/5W/2 PR21W/1 PY21W/1	This requirement should be part of the regulation, not the sheet
3.1.11.	Introduction definition <i>Lamp-unit</i>		
3.2.3.	Removal of redundant reference		Consistency
3.6.2.	Reference update to R48 re. colour definitions		Part B or Resolution?
3.7.	Replaced <i>lamp</i> by <i>filament lamp</i>		
3.9.	Replacing reference to category designations	H4/2 HS1/2 R2/1	Generic reference
8.3.	- Reference replaced from relative to absolute - Replaced <i>lamp</i> by <i>lamp-unit</i> - Simplification by inserting par. 8.4 - Improved enforcement by requiring inserting a note in the communication sheets of lamps	Resolution 3.1 group 3	Weak text
8.4	Added content to par. 8.3, also in relation to the simplification of the tables of group 3	Resolution 3.1 group 3	Simplified

Annex	Paragraph Table	Topic	Relation to Resolution Par/ Annex	Justification/ Clarification
1		Replaced by reference to the Resolution		
5	P 1.3. P 2.3.1. P 2.3.2.	Replaced <i>lamp</i> by <i>filament lamp</i>		
5	P 2.4.	Removal of drawing; colour	H20/3	Redundant information

			boundaries Removal of reference to category	see also R99	that needs maintenance
7	T	1 3	Replaced <i>lamp</i> by <i>filament lamp</i>		

II. List of amendments to the original version of Regulation No. 99 (Gas-discharge light sources) up to and including Supplement 11

Paragraph	Topic	Relation to Resolution Par/ Annex	Justification/ Clarification
Title	Deletion text		For consistency reasons
Scope	Deletion text		For consistency reasons
2.3.4.	Replaced <i>lamp</i> by <i>gas-discharge light source</i>		
3.1.1.	Improved consistency with R48 definition		
3.1.10.	Introduction definition <i>Lamp-unit</i>		
3.2.3.	Introduction of requirement that light source is solely gas-discharge light source for consistency reasons		
3.9.2.	Reference update to R48 re. colour definitions		Part B or Resolution?

Annex	Paragraph Table	Topic	Relation to Resolution Par/ Annex	Justification/ Clarification
1	P	Replaced by reference to the Resolution		
4	P 3.	Replaced <i>lamp</i> by <i>gas-discharge light source</i>		
4	P 10	- Removal of drawing of colour boundaries - Removal of reference to category	DxR/4	Redundant information while maintenance is needed
5		References to categories and category sheets replaced by generic references to the “main drawing” of each category		Generic references easier to maintain

			Moved a requirement from a sheet to this annex	DxR/6	This annex is only an example and as such the requirement in the sheet was incorrect.
7	T	1	Replaced <i>lamp</i> by <i>gas-discharge light source</i>		
7	T	3	Replaced <i>lamp</i> by <i>gas-discharge light source</i>		

III. List of amendments to the original version of Regulation No. 128 (Light emitting diodes light sources) up to and including Supplement 4

Paragraph	Topic	Relation to Resolution Par/ Annex	Justification/ Clarification
1.	Deletion of signalling for consistency reasons and future proposals		
3.1.14.	Introduction definition <i>Lamp-unit</i>		
3.7.1.	Reference update to R48 re. colour definitions		Part B or Resolution?

Annex	Paragraph Table	Topic	Relation to Resolution Par/ Annex	Justification/ Clarification
1	P	Replaced by reference to the Resolution		
6	T 1	Replaced <i>lamp</i> by <i>LED light source</i>		
6	T 3	Replaced <i>lamp</i> by <i>LED light source</i>		

IV. List of amendments of content in the Resolution, originating from Regulations Nos. 37, 99 and 128

Paragraph	Topic	Relation to Regulation/ Par/ Annex	Justification/ Clarification
2.2.1.			Consistency with LED and gas-discharge light sources

2.2.2.	Requirement was missing		Consistency with filament lamps and LED light sources
3.1.	Groups 1,2,3 - titles changed due to separation from R37 - inserted title for 2 nd columns: “ <i>note(s)</i> ”		Clarity
	Groups 1 and 3: Inserted additional notes		Due to moving use restrictions from the sheets
	Group 3 replaced the relative dates re Supplements in force of R37 by absolute dates		To remove the reference to R37 and to simplify
3.1. Notes at the end of this paragraph	- Deleted “approval” - To introduce more neutral descriptions in relation to references from other systems		- Replacing references to UN Regulations 19, 112 and 113 failed “*3 Not for use in front fog lamps marked "B" as defined in Regulation No. 19” This restriction concerns H9, H9B and HIR1 because of a high luminous flux. “*4 Not for use in Regulation No. 112 headlamps.” - This restriction was introduced to avoid its use low performing R112 headlamps. - This restriction concerns HS6, phasing out 15 July 2018 for use in new approvals “*5 Not for use in headlamps other than Regulation No. 113 class C headlamps “ - This restriction was introduced to avoid its use low performing R112 headlamps. - This restriction concerns HS5A, that is proposed by GTB for phasing out per 1 Sept 2018 for use in new approvals
3.2.	Introduced a group with use restrictions for gas-discharge light sources		Consistency. Also in relation to the definitions.
3.3.	Introduced groups with use restrictions for LED light sources similar to filament lamps grouping		Consistency and future options

Annex 1

Sheet Table Paragraph		Topic	Relation to Regulation/ Par/ Annex	Justification/ Clarification
Title, list		Replaced <i>lamp</i> by <i>light source</i>		
C21W/1		Moved use restriction to the groupings and adapted to that use restrictions		Simplification
H4/1		Lamp - > Filament lamp		
H4/2	note 7	Reference simplification; internal shield	R37: 3.9	Generic reference to avoid referencing backwards
H7/1		Lamp - > Filament lamp		
H7/2		Lamp - > Filament lamp		
H8/1		Lamp - > Filament lamp		
H8/2		Lamp - > Filament lamp		
H9/1		Lamp - > Filament lamp		
H9/2		Lamp - > Filament lamp		
H10/1		Lamp - > Filament lamp		
H11/1		Lamp - > Filament lamp		
H11/2		Lamp - > Filament lamp		
H12/1		Lamp - > Filament lamp		
H14/1		Lamp - > Filament lamp		
H16/1		Lamp - > Filament lamp		
H16/2		Lamp - > Filament lamp		
H17/1		Lamp - > Filament lamp		
H17/6		Lamp - > Filament lamp		
H18/1		Lamp - > Filament lamp		
H18/2		Lamp - > Filament lamp		
H19/1		Lamp - > Filament lamp		
H19/5		Lamp - > Filament lamp		
H20/1		Lamp - > Filament lamp		
H20/2		Lamp - > Filament lamp		
H20/3	note 12	Deleted redundant reference	R37: Annex 5 2.4 See also R99	So removed reference to a regulation to a neutral expression; colour boundaries
HB3/1		Lamp - > Filament lamp		

HB4/1		Lamp - > Filament lamp		
HS1/1		Lamp - > Filament lamp		
HS1/2	note 7	Reference simplification; internal shield	R37: 3.9	
HS5/1		Moved use restriction to the groupings and adapted to that use restrictions		
HS5A/1		Moved use restriction to the groupings and adapted to that use restrictions		
HS5A/3	table	I_C and I_R corrected by I_C and I_R (changed coloured font into black)		
P19W/1		Lamp - > Filament lamp		
P21W/1	note 4	Shape of the filament; this requirement should be part of the regulation, not the sheet	R37: 2.2.2.2.	
P21/4W/1	note 3	Improved/ consistent reference to sheets of another category		
P21/5W/2	note 3	Shape of the filament; this requirement should be part of the regulation, not the sheet	R37: 2.2.2.2.	
P24W/2		Lamp - > Filament lamp		
PC16W/1		Lamp - > Filament lamp		
PR21W/1	note 5	Shape of the filament; this requirement should be part of the regulation, not the sheet	R37: 2.2.2.2.	
PR21/4W/1	note 3	Improved/ consistent reference to sheets of another category		
	notes 4,5	Lamp - > Filament lamp		
PR21/5W/1		Lamp - > Filament lamp		
PR27/7W/1		Lamp - > Filament lamp		
PY21W/1	table	e corrected by e (colour font)		
	note 2	Lamp - > Filament lamp		
	note 5	Shape of the filament; this	R37:	

		requirement should be part of the regulation, not the sheet	2.2.2.2.	
PY21/5W/1		Lamp - > Filament lamp		
R2/1	note 5	Reference simplification; internal shield	R37: 3.9	
S1/S2/1		Moved use restriction to the groupings and adapted to that use restrictions		
S3/1		Moved use restriction to the groupings and adapted to that use restrictions		
W15/5W/1		Moved use restriction to the groupings and adapted to that use restrictions		
WR21/5W/1		Lamp - > Filament lamp		
WT21W/1 WT21W/2 WT21/7W/1 WT21/7W/3		Font changed from Arial to Times new roman		
WY2.3W/1		Lamp - > Filament lamp		

Annex 2

Sheet Table Paragraph	Topic	Relation to Regulation/ Par/ Annex	Justification/ Clarification
DxR/1	Inserted "main drawing" in the title of the figure(s)		
DxR/2	Inserted "main drawing" in the title of the figure(s)		
DxR/3	Lamp -> Gas discharge light source		
DxR/4	Lamp -> Gas discharge light source		
	note 3 Deleted redundant reference	R99: Annex 4 par. 10 See also R37: H20	So removed reference to a regulation to a neutral expression; colour boundaries
DxR/5	Non-editable drawing in another style than many other drawings that need to be horizontally flipped		Replaced by editable drawing
DxR/6	Flipped the drawing		Consistency over gas

Page 1		horizontally		discharge light sources
DxR/6 page 2		Requirement with reference to an annex in the regulation that is only an example; moved to the regulation	R99: Annex 5	
		Flipped the drawing horizontally; corrected dimension "s"		Consistency over gas discharge light sources
DxS/1		Inserted "main drawing" in the title of the figure(s)		
DxS/2		Inserted "main drawing" in the title of the figure(s)		
DxS/3		Lamp -> Gas discharge light source		
DxS/4		Lamp -> Gas discharge light source		
	note 3	Deleted redundant reference	See DxR/4	Deleted redundant reference
DxS/5		Non-editable drawing in another style than many other drawings that need to be horizontally flipped		Replaced by editable drawing
DxS/6		Flipped the drawing horizontally		Consistency over gas discharge light sources
D5S/1		Inserted "main drawing" in the title of the figure(s)		
DS5/2		Lamp -> Gas discharge light source		
D5S/3	note 3	Deleted redundant reference	See DxR/4	
		Lamp -> Gas discharge light source		
DS/4		Flipped both drawings horizontally		Consistency over gas discharge light sources
D5S/5		Flipped the drawing horizontally		Consistency over gas discharge light sources
D6S/1		Inserted "main drawing" in the title of the figure(s)		
D6S/2		Lamp -> Gas discharge light source		
D6S/3	note 3	Deleted redundant reference	See DxR/4	
		Lamp -> Gas discharge light source		

D6S/4		Flipped both drawings horizontally		Consistency over gas discharge light sources
D6S/5		Flipped the drawing horizontally		Consistency over gas discharge light sources
D8R/1		Inserted “main drawing” in the title of the figure(s)		
D8R/2		Lamp -> Gas discharge light source		
D8R/3	note 3	Deleted redundant reference	See DxR/4	
		Lamp -> Gas discharge light source		
D8R/4		Flipped both drawings horizontally		Consistency over gas discharge light sources
D8R/5		Flipped the drawing horizontally		Consistency over gas discharge light sources
D8S/2		Lamp -> Gas discharge light source		
D8S/3	note 3	Deleted redundant reference and so removed reference to a regulation to a neutral expression; colour boundaries	R99: Annex 4 par. 10	
		Lamp -> Gas discharge light source		
D8S/4		Flipped both drawings horizontally		Consistency over gas discharge light sources
D8S/5		Flipped the drawing horizontally		Consistency over gas discharge light sources
D9S/1		Inserted “main drawing” in the title of the figure(s)		
D9S/2		Lamp -> Gas discharge light source		
D9S/3		Lamp -> Gas discharge light source		
	note 3	Deleted redundant reference	See DxR/4	

Annex 3

Sheet Table Paragraph	Topic	Relation to Regulation/ Par/ Annex	Justification/ Clarification
Tables 1 of all categories	“dimensional,” is missing in the title of the tables		

Nearly all pages of Annex 3		Inserted “LED” before “light source”		
Many pages		Lamp - > LED light source		
LR1/4 LR3/4 LR4/4		Incorrect requirements and redundant reference to the Regulation; normalised luminous flux		
