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		36 0180

Lamps for road vehicles - Dimensional, electrical and luminous requirements

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/18

STN EN 60809 zo septembra 2015 sa bez zmeny A1 môže používať do 3. 5. 2020.

Obsahuje: EN 60809:2015/A1:2017, IEC 60809:2014/AMD1:2017

126059

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2018

Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnrožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

EN 60809:2015/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2017

ICS 29.140.20; 43.040.20

English Version

**Lamps for road vehicles -
Dimensional, electrical and luminous requirements
(IEC 60809:2014/A1:2017)**

Lampes pour véhicules routiers - Exigences dimensionnelles, électriques et lumineuses
(IEC 60809:2014/A1:2017)

Lampen für Straßenfahrzeuge - Maße, elektrische und lichttechnische Anforderungen
(IEC 60809:2014/A1:2017)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 34A/1901/CDV, future IEC 60809:2014/A1, prepared by SC 34A "Lamps", of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60809:2015/A1:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at (dop) 2018-02-03
national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2020-05-03
the document have to be withdrawn

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IEC 60809

Edition 3.0 2017-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1

AMENDEMENT 1

Lamps for road vehicles – Dimensional, electrical and luminous requirements

Lampes pour véhicules routiers – Exigences dimensionnelles, électriques et lumineuses





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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1

AMENDEMENT 1

Lamps for road vehicles – Dimensional, electrical and luminous requirements

Lampes pour véhicules routiers – Exigences dimensionnelles, électriques et lumineuses

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FOREWORD

This amendment has been prepared by subcommittee 34A: Lamps, of IEC technical committee 34: Lamps and related equipment.

The text of this amendment is based on the following documents:

CDV	Report on voting
34A/1901/CDV	34A/1940/RVC

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
 - withdrawn,
 - replaced by a revised edition, or
 - amended.
-

4.4.1 Colour of light

Add, after the third dashed list item (definition of red colour), the following new text:

- finished filament lamps emitting amber light:
 A_{12} green boundary: $y = x - 0,120$
 A_{23} the spectral locus²
 A_{34} red boundary: $y = 0,390$
 A_{41} white boundary: $y = 0,790 - 0,670 x$
With intersection points:
 A_1 : $x = 0,545, y = 0,425$
 A_2 : $x = 0,560, y = 0,440$
 A_3 : $x = 0,609, y = 0,390$
 A_4 : $x = 0,597, y = 0,390$

Annex E

Replace the existing title with the following new title:

Method of measuring internal elements of H4, H17, H19 and HS1 lamps**E.2.6 Plane Y1-Y1***Replace the existing paragraph with the following new text:*

Plane Y1-Y1 is a plane parallel to the reference plane at a distance of 29,5 mm from it (30,0 mm for the 24 V type, 30,5 mm for category H19).

E.2.8 Plane Y3-Y3*Replace the existing paragraph with the following new text:*

Plane Y3-Y3 is a plane parallel to the reference plane at a distance of 23,5 mm from it (25,0 mm for categories HS1 and H17, 24,5 mm for category H19).

E.3 Viewing directions (see Figure E.1)*Add, at the end of Clause E.3, the following new sub-clause:***E.3.4 Viewing direction ④**

Viewing direction ④ is perpendicular to plane V-V, seen from the side of the right-hand shield edge.

E.4.1 Shield and filaments (see Figure E.2)*Replace the existing text with the following new text:*

Viewing direction ①

MP 1 and MP 2	The intersections of the main beam filament axis with planes Y3-Y3 and Y4-Y4
MP 3 and MP 4	The intersections of the shield edge with planes Y1-Y1 and Y2-Y2
MP 5 and MP 6	The intersections of the envelope of the dipped beam filament with planes Y1-Y1 and Y2-Y2 farthest from plane H-H
MP 7	The intersection of the bulb axis with plane Y1-Y1
MP 8 and MP 11	The intersections of the outer part of respectively the first and last luminous turns of the dipped beam filament with the shield edge
MP 9 and MP 10	The intersections of the outer part of respectively the first and last luminous turns of the main beam filament with the centre line (axis) of that filament

Viewing direction ②

MP 12 and MP 13	The intersections of the main beam filament axis with planes Y3-Y3 and Y4-Y4
MP 14 and MP 15	The intersections of the dipped beam filament axis with planes Y1-Y1 and Y2-Y2
MP 16 and MP 17	The intersections of the interior shield edges with plane Y2-Y2

MP 24 and MP 25	The intersections of the outer shield edges with plane Y2-Y2 (including shield material thickness; applies to category H19 only)
Viewing direction ③	(Categories H4 and HS1. Can be used as an equivalent alternative to viewing direction for categories H17 or H19)
MP 18 and MP 19	The intersections of the shield edge with plane Y1-Y1 and Y2-Y2
Viewing direction ④	(Categories H17 and H19. Not for category H4 nor HS1)
MP 18 and MP 19	The intersections of the shield edge with plane Y1-Y1 and Y2-Y2

E.5 Dimensions to be measured

Replace the existing paragraph with the following new text:

Table E.1 states the dimensions to be measured. Values and tolerances are given on the relevant filament lamp data sheet H4, H17, H19 or HS1 of UN Regulation 37.

Replace the existing Table E1 with the following new Table E.1

Table E.1 – Dimensions to be measured for H4, H17, H19 and HS1 lamps

Distance (see Figure E.2)	Measured perpendicular to plane	Viewing direction	Dimension		
			12 V	24 V	
MP 2 to MP 3	H-H	1	a/26,0		
MP 1 to MP 3 ^a	H-H	1	a/23,5		
MP 3 to H-H ^d	H-H	1	b ₁ /29,5	b ₁ /30,0	
MP 4 to H-H ^b	H-H	1	b /33,0		
MP 18 to X-X ^{c,d}	X-X	3	b ₂ /29,5	b ₂ /30,0	
		4			
MP 19 to X-X ^c	X-X	3	b /33,0		
		4			
MP 3 to MP 5 ^d	H-H	1	c/29,5	c/30,0	
MP 4 to MP 6 ^b	H-H	1	c/33,0		
MP 7 to MP 3	H-H	1	d		
MP 8 to reference plane	Reference plane	1	e		
MP 8 to MP 9	Reference plane	1	f		
MP 13 to V-V	V-V	2	g/26,0		
MP 12 to V-V ^a	V-V	2	g/23,5		
MP 14 to V-V ^d	V-V	2	h/29,5	h/30,0	
MP 15 to V-V	V-V	2	h/33,0		
MP 9 to MP 10	Reference plane	1	l _r		
MP 8 to MP 11	Reference plane	1	l _c		
MP 16 to V-V ^b	V-V	2	p/33,0		
MP 17 to V-V ^b	V-V	2	q/33,0		
Angle α (see Figure E.3)					
MP 23 to MP 20	H-H	1	α		
MP 23 to MP 21	V-V	2	α		
MP 23 to MP 22	V-V	2	α		
MP 24 to MP 25	V-V	2	B/33,0		

^a For category HS1, this dimension shall be measured at 25,0 mm distance from the reference plane. For category H19, this dimension shall be measured at 24,5 mm distance from the reference plane.

^b For category HS1, this dimension shall be measured at 31,0 mm distance from the reference plane.

^c For categories H17 and H19, viewing direction ③is an alternative to viewing direction ④, but values and tolerances shall comply with those defined for viewing direction ④ in UN Regulation 37.

^d For category H19, this dimension shall be measured at 30,5 mm distance from the reference plane.

Replace the existing Figure E.1 with the following new Figure E.1:

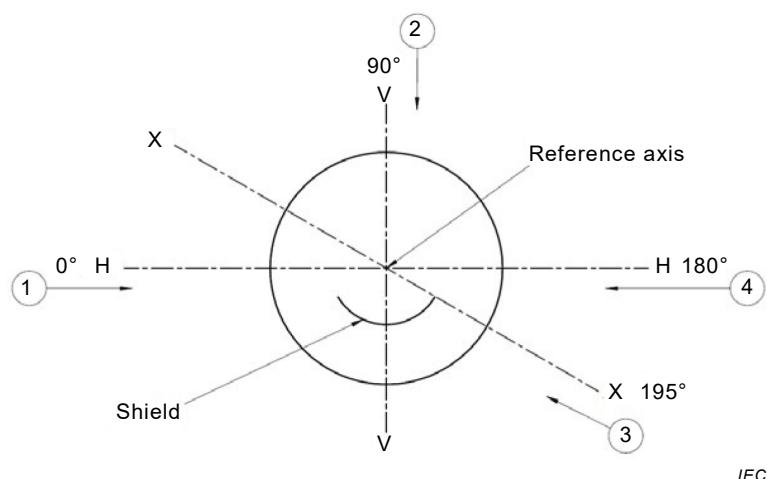


Figure E.1 – Viewing directions, seen from the top of the lamp

Replace the existing Figure E.2 with the following new Figure E.2:

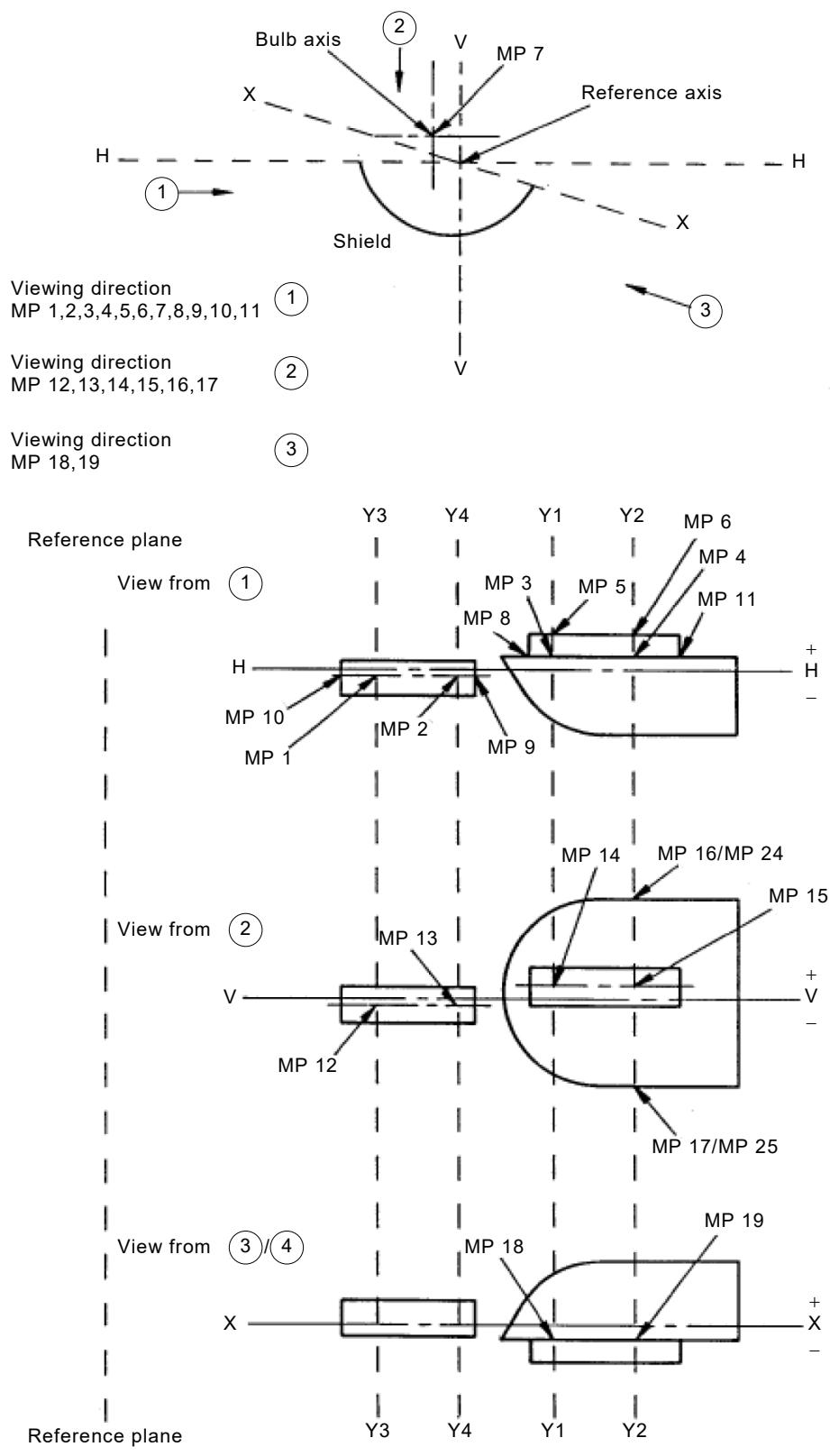


Figure E.2 – Position of measuring points of H4, H17, H19 and HS1 lamps

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