6 December 2012

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*

(Revision 2, including the amendments which entered into force on 16 October 1995)

Addendum 36: Regulation No. 37

Revision 7 – Amendment 2

Supplement 39 to the 03 series of amendments - Date of entry into force: 18 November 2012

Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers

UNITED NATIONS

* Former title 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.

Annex 1,

The list of categories of filament lamps and list of sheets, amend to read:

"…

Group 1

Without general restrictions:

Category		*Sheet number(s)*
...		
H16B		H16/1 to 4
H17		H17/1 to 6
H21W	*[2]	H21W/1 to 2
…		

…

List of sheets for filament lamps and their sequence in this annex:

Sheet number(s)
...
H16/1 to 4
H17/1 to 6
H6W/1
...

…"

Insert sheets H17/1 to 6 between sheet H16/4 and sheet H6W/1, to read:

" Category H17 Sheet H17/1

The drawings are intended only to illustrate the essential dimensions (in mm) of the filament lamp

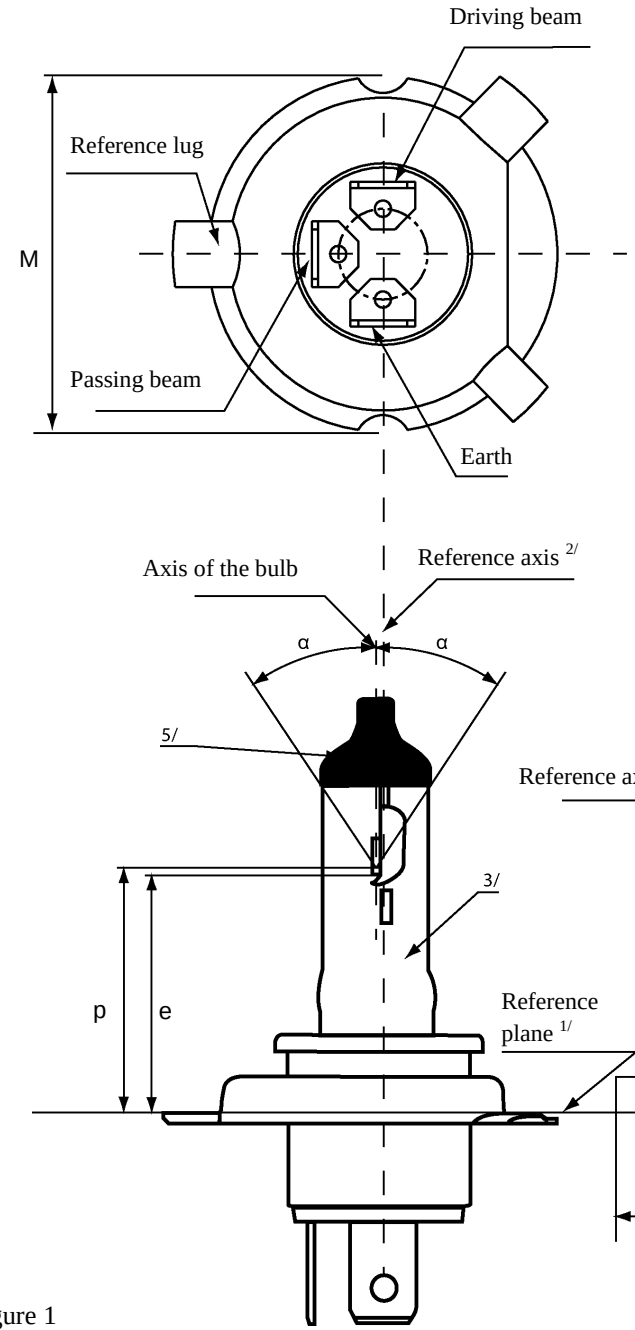


Figure 1
Main drawing

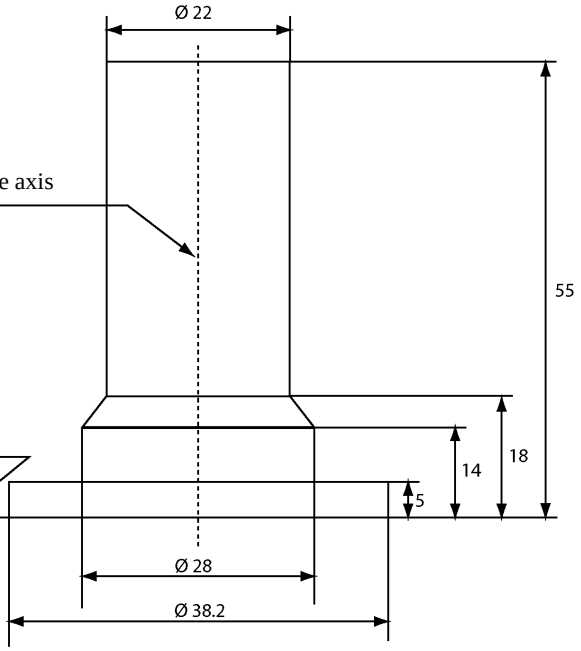


Figure 2
Maximum lamp outlines 4/

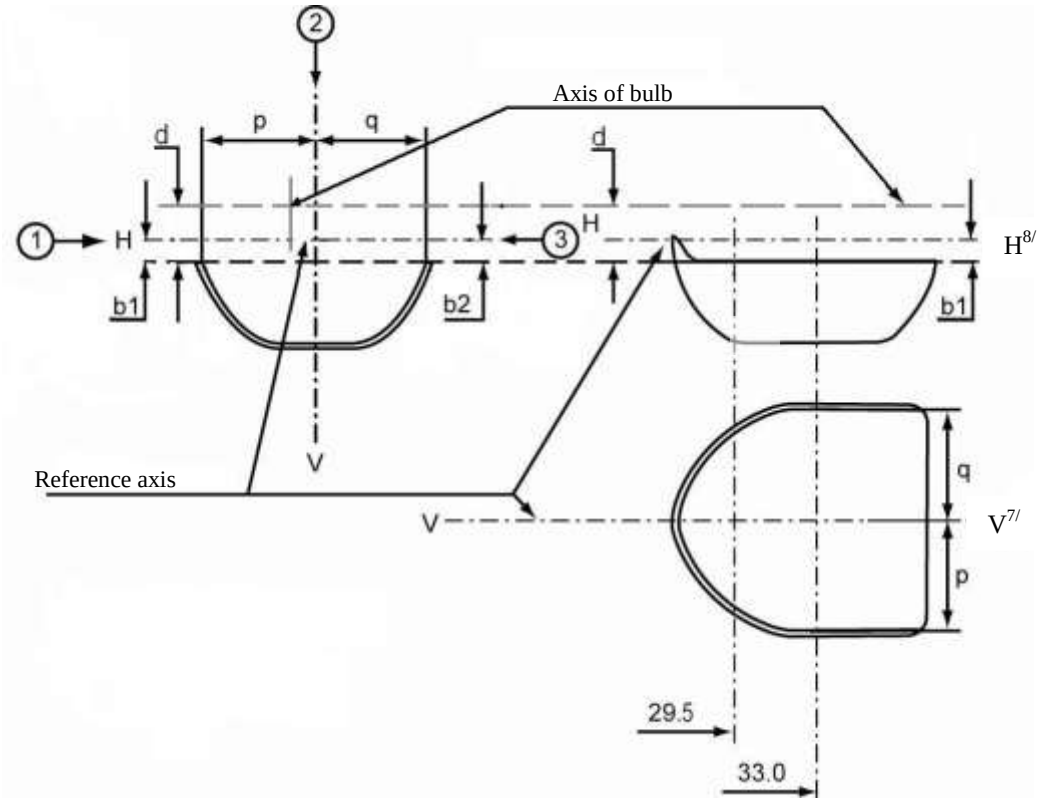
For the notes see sheet H17/6

Dimensions in mm		Filament lamps of normal production		Standard filament lamp	
		12 V		12 V	
e		28.5 + 0.35 / - 0.15		28.5 + 0.20 / - 0.0	
p		28.95		28.95	
α		max. 40°		max. 40°	
Cap PU43t-4 in accordance with IEC Publication 60061 (sheet 7004-xxx)					
Electrical and photometric characteristics					
Rated values	Volts	12[6/]		12[6/]	
	Watts	35	35	35	35
Test voltage	Volts	13.2	13.2	13.2	13.2
Objective values	Watts	37 max.	37 max.	37 max.	37 max.
	Luminous flux	900 ± 10%	600 ± 10%		
Reference luminous flux at approximately			12.0 V	700	450
			13.2 V	900	600

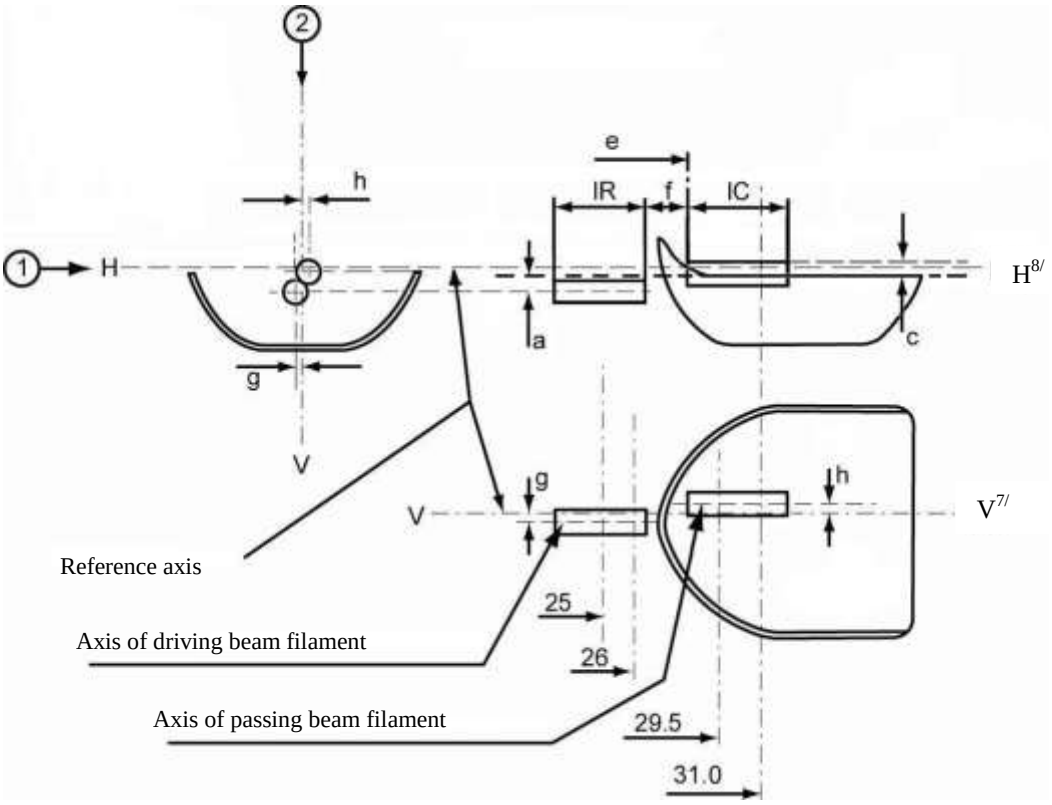
For note 6/ see sheet H17/6

Category H17 Sheet H17/3

Position of the shield



Position of filaments



Category H17 Sheet H17/5

Table of the dimensions (in mm) referred to in the drawings on sheets H17/3 and H17/4

Reference*	Dimension**	Tolerance	
		Filament lamps of normal production	Standard filament lamp
a/25.0	0.3	±0.40	±0.20
a/26.0	0.3	±0.35	±0.20
b1/29.5	0.0	±0.30	±0.25
b1/33.0	b1/29.5 mv	±0.30	±0.15
b2/29.5	0.0	±0.30	±0.25
b2/33.0	b2/29.5 mv	±0.30	±0.15
c/29.5	0.5	±0.25	±0.15
c/31.0	c/29.5 mv	±0.25	±0.15
d	min. 0.1	-	-
e[11/]	28.5	+0.35 / -0.15	+0.20 / -0.0
f [9/, 10/, 11/]	1.7	±0.30	±0.15
g/25.0	0	±0.50	±0.30
g/26.0	0	±0.40	±0.25
h/29.5	0	±0.40	±0.25
h/31.0	h/29.5 mv	±0.30	±0.15
l_R [9/, 12/]	4.0	±0.40	±0.20
l_C [9/, 10/]	4.2	±0.40	±0.20
p/33.0	Depends on the shape of the shield	-	-
q/33.0	(p+q)/2	±0.60	±0.30

* "../25.0" means dimension to be measured at the distance from the reference plane indicated in mm after the stroke.
** "29.5 mv" means the value measured at a distance of 29.5 mm from the reference plane.

For the notes see sheet H17/6

1/ The reference plane is the plane formed by the seating points of the three lugs of the cap ring.

2/ The reference axis is perpendicular to the reference plane and passes through the centre of the circle of diameter "M".

3/ The light emitted from standard filament lamps and from normal production lamps shall be white.

4/ The bulb and supports shall not exceed the envelope as in Figure 2.

5/ The obscuration shall extend at least as far as the cylindrical part of the bulb. It shall also overlap the internal shield when the latter is viewed in a direction perpendicular to the reference axis.

6/ The value indicated in the left hand column relate to the driving-beam filament. Those indicated in the right-hand column relate to the passing beam filament.

7/ Plane V-V is the plane perpendicular to the reference plane and passing through the reference axis and through the intersection of the circle of diameter "M" with the axis of the reference lug.

8/ Plane H-H is the plane perpendicular to both the reference plane and plane V-V and passing through the reference axis.

9/ The end turns of the filament are defined as being the first luminous turn and the last luminous turn that are at substantially the correct helix angle.

10/ For the passing-beam filament, the points to be measured are the intersections, seen in direction 1, of the lateral edge of the shield with the outside of the end turns defined under note 9/.

11/ "e" denotes the distance from the reference plane to the beginning of the passing filament as defined above.

12/ For the driving-beam filament the points to be measured are the intersections, seen in direction 1, of a plane, parallel to plane H-H and situated at a distance of 0.3 mm below it, with the end turns defined under note 9/.

Additional explanations to sheets H17/3 and H17/4

The dimensions below are measured in three directions:

1 For dimensions b1, a, c, d, e, f, l_R and l_C.
2 For dimensions g, h, p and q.
3 For dimension b2.

Dimensions p and q are measured in planes parallel to and 33.0 mm away from the reference plane.

Dimensions b1, b2 are measured in planes parallel to and 29.5 mm and 33.0 mm away from the reference plane.

Dimensions c and h are measured in planes parallel to and 29.5 mm and 31.0 mm away from the reference plane.

Dimensions a and g are measured in planes parallel to and 25.0 mm and 26.0 mm away from the reference plane.

Note: For the method of measurement, see Appendix E of IEC Publication 60809."