

Maximum lamp outlines for incandescent lamps

ICS 29.140.20

National foreword

This British Standard is the UK implementation of EN 60630:1998+A7:2015. It is derived from IEC 60630:1994, incorporating amendments 1:1997, 2:1998, 3:1999, 4:2002, 5:2005, 6:2009 and 7:2014. It supersedes BS EN 60630:1998+A6:2009 which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the amendment. For example, text altered by IEC amendment 1 is indicated in the text by **A1** **A1**.

Where a common modification to an IEC amendment has been introduced, the tags carry the number of the amendment. For example, the common modifications introduced by CENELEC to IEC amendment 6 are indicated by **C6** **C6**.

The CENELEC common modifications have been implemented at the appropriate places in the text, and are indicated by a sideline. The CENELEC common modifications have deleted from the text lamps with cap E17, E26 and E39, which has resulted in the removal of the following data sheets: 630-IEC-2010-1 to 630-IEC-3640-1, inclusive.

The amendment by which each page of the European Standard was introduced is indicated by an extension to the shoulder heading at the top of the page (e.g. EN 60630:1998/A3:1999). Where no such extension appears, the page is part of the original European Standard.

The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and Related Equipment, to Subcommittee CPL/34/1, Electric lamps.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

Amendments/corrigenda issued since publication

Amd. No.	Date	Comments
10733	January 2000	Replaces data sheets 60630-IEC-1510-1 and 60630-IEC-1540-2 with 60630-IEC-1510-2 and 60603-IEC-1540-3, respectively
14562	6 January 2004	Implementation of IEC amendment 4:2002 with CENELEC endorsement A4:2003
15675	February 2006	Implementation of IEC amendment 5:2005 with CENELEC endorsement A5:2005
	31 March 2010	Implementation of IEC amendment 6:2009 with CENELEC modifications; alignment of BSI and CEN publication dates
	30 June 2015	Implementation of IEC amendment 7:2014 with CENELEC modifications. Annex ZA updated

This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 July 1999

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Descriptors: Lighting equipment, incandescent lamps, dimensions, overall dimensions, maximum values

English versions

Maximum lamp outliners for incandescent lamps

(IEC 60630 + A1:1997 + A2:1998, modified + A3:1999 + A4:2002 + A5:2005)

Encombrement maximal des lampes à
incandescence
(CEI 60630:1994 + A1:1997 + A2:1998,
modifiée + A3:1999 + A4:2002 + A5:2005)

Maximale Lampen-Hüllkurven für Glühlampen
(IEC 60630:1994 + A1:1997 + A2:1998,
modifiziert + A3:1999 + A4:2002 + A5:2005)

This European Standard was approved by CENELEC on 1998-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

The text of the International Standard IEC 60630:1994 and its amendments 1:1997 and 2:1998, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, together with common modifications prepared by Reporting Secretariat SR 34A, was submitted to the formal vote and was approved by CENELEC as EN 60630 on 1998-10-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1999-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1999-10-01

Foreword to amendment A3

The text of document 34A/861/FDIS, future amendment 3 to IEC 60630, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A3 to EN 60630:1998 on 1998-08-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2000-05-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2002-08-01

Foreword to amendment A4

The text of document 34A/1007/FDIS, future amendment 4 to IEC 60630:1994, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A4 to EN 60630:1998 on 2003-03-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2006-03-01

Annexes designated “normative” are part of the body of the standard.

In this standard Annex ZA is informative.

Annex ZA has been added by CENELEC.

Foreword to amendment A5

The text of document 34A/1121/FDIS, future amendment 5 to IEC 60630:1994, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A5 to EN 60630:1998 on 2005-04-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2006-01-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2008-04-01

Endorsement notice

The text of amendment 5:2005 to the International Standard IEC 60630:1994 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A6

The text of document 34A/1298/CDV, future amendment 6 to IEC 60630:1994, prepared by SC 34A, Lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote. Together with the common modifications in EN 60630:1998, it was approved by CENELEC as amendment A6 to EN 60630:1998 on 2009-09-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2010-06-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2012-09-01

Endorsement notice

The text of amendment 6:2009 to the International Standard IEC 60630:1994 was approved by CENELEC as an amendment to the European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Delete all references to lamps with E17, E26 and E39 caps.

Foreword to amendment A7

The text of document 34A/1759/FDIS, future IEC 60630:1994/A7, 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 60630:1998/A7:2015.

A draft amendment, which covers common modifications to IEC 60630:1994/A7 (34A/1759/FDIS), was prepared by CLC/TC 34A “Lamps” and approved by CENELEC.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-01-19

- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-01-19

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 60630:1998/A7:2014 are prefixed “Z”.

Endorsement notice

The text of the International Standard IEC 60630:1994/A7:2014 was approved by CENELEC as a European Standard with agreed common modifications.

Annex ZA
(normative)**Normative references to international publications
with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60061-1	-	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps	EN 60061-1	-
IEC 60061-3	-	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges	EN 60061-3	-
IEC 60064	-	Tungsten filament lamps for domestic and similar general lighting purposes - Performance requirements	EN 60064	-
IEC 60357	-	Tungsten halogen lamps (non-vehicle) - Performance specifications	EN 60357	-
IEC 60432-1	-	Incandescent lamps - Safety specifications - Part 1: Tungsten filament lamps for domestic and similar general lighting purposes	EN 60432-1	-
IEC 60432-2	-	Incandescent lamps - Safety specifications - Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes	EN 60432-2	-
IEC 60432-3	-	Incandescent lamps - Safety specifications - Part 3: Tungsten halogen lamps (non-vehicle)	EN 60432-3	-
IEC/TR 60887	-	Glass bulb designation system for lamps	-	-
IEC 61126	-	Procedure for use in the preparation of maximum lamp outlines	-	-

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MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS

1 General

1.1 Scope

This International Standard comprises maximum lamp outlines for incandescent lamps (including tungsten-halogen lamps).

NOTE Where reference is made to the cap E27/27, the use of the cap E27/25 is also allowed.

1.2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60061-1, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps*

IEC 60061-3, *Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges*

IEC 60064, *Tungsten filament lamps for domestic and similar general lighting purposes – Performance requirements*

IEC 60357, *Tungsten halogen lamps (non-vehicle) – Performance specifications*

IEC 60432-1, *Incandescent lamps – Safety specifications – Part 1: Tungsten filament lamps for domestic and similar general lighting purposes*

IEC 60432-2, *Incandescent lamps – Safety specifications – Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes*

IEC 60432-3, *Incandescent lamps – Safety specifications – Part 3: Tungsten halogen lamps (non-vehicle)*

IEC 60887, *Glass bulb designation system for lamps*

IEC 61126, *Procedure for use in the preparation of maximum lamp outlines*

1.3 General

Observance of these requirements in luminaire design will ensure mechanical acceptance of lamps complying with the standard in which such lamps are included. No account is taken of temperature requirements, which are listed separately in the relevant lamp specification.

For other technologies capable of better tolerances than incandescent lamps, the limiting values of the maximum outline apply.

For full information on the procedure to establish maximum lamp outline drawings, see IEC 61126.

For full information on the nomenclature used for the designation of bulb shapes, see IEC 60887.

This standard does not take into account safety criteria. Readers should refer to IEC 60432.

This standard does not take into account the performance aspects of lamps with respect to luminous flux, life or power consumption characteristics. Readers should refer to the relevant performance standard IEC 60064 or IEC 60357.

For lamp caps and gauges, see IEC 60061-1 and IEC 60061-3.

2.1 Introduction

The numbering system for data sheets is made up of four parts as follows:

- the first number represents the number of this standard (IEC 60630);
- the second part is the letter grouping "IEC";
- the third part is the basic data sheet number from the series in the following table;
- the fourth part is a number indicating the edition of the sheet.

NOTE When amendments are made to data sheets, the affected pages are issued with an updated edition number. For example, data sheet 60630-IEC-1010-1 has been amended and its new issue number is 60630-IEC-1010-2.

The sequence of the data sheets is by "wattage" within the following subdivisions:

Category	Data sheet numbers
Lamps with caps B15, B22, E14, E27 and E39/E40*	1000 – 1499
Reflector lamps with caps B22, E14 and E27	1500 – 1999
Lamps with caps E26/24**	2000 – 2499
Reflector lamps with caps E26/24** and E26/53x39	2500 – 2999
Lamps with caps E26/25**	3000 – 3499
Reflector lamps with caps E17 and E26/25**	3500 – 3999
Tungsten halogen lamps	4000 – 4499
* The combined sheets for E39 and E40 capped lamps will be split up (under consideration). ** There are two variations of E26 caps which are not fully compatible. In this standard, separate references are made to E26/24 caps used in North America and E26/25 caps used in Japan.	

2.2 List of specific lamp types included in this standard

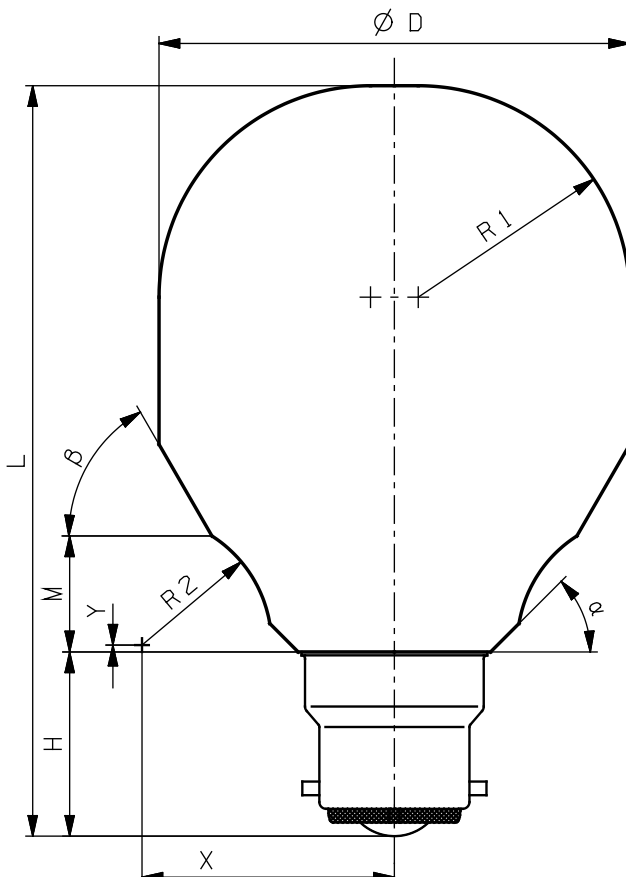
Sheet No	Description	Typical wattage(s) W	Cap
60630-IEC-1010	Pear shape/A50-A55-A60-PS60	25, 40, 60, 75, 100	B22d/25x26
60630-IEC-1020	Pear shape/A50-A55-A60-PS60	25, 40, 60, 75, 100	E27/27
60630-IEC-1030	Pear shape/A80-PS80	150, 200	B22d/25x26
60630-IEC-1040	Pear shape/A80-PS80	150, 200	E27/27
60630-IEC-1050	Pear shape/A90-PS90	300	E27/27
60630-IEC-1060	Pear shape/A90-PS90	300	E39/41, E40/41
60630-IEC-1070	Pear shape/A110-PS110	300, 500	E39/41, E40/45
60630-IEC-1080	Pear shape/A130-PS130	1 000	E39/41, E40/45
60630-IEC-1090	Pear shape/A150-PS150	1 000	E39/41, E40/45
60630-IEC-1100	Pear shape/A170-PS170	1 500	E39/41, E40/45
60630-IEC-1110	Mushroom shape/M60	40, 60, 100	B22d/25x26
60630-IEC-1115	Mushroom shape/M50	40, 60	B22d/25x26
60630-IEC-1120	Mushroom shape/M60	40, 60, 100	E27/27
60630-IEC-1125	Mushroom shape/M50	40, 60	E27/27
60630-IEC-1130	Mushroom shape/M75	150	B22d/25x26
60630-IEC-1140	Mushroom shape/M75	150	E27/27
60630-IEC-1150	Round bulb/P45	-	B22d/22, B22d/25x26
60630-IEC-1160	Round bulb/P45	-	E27/27
60630-IEC-1170	Round bulb/P45	-	B15d/24x17
60630-IEC-1180	Round bulb/P45	-	E14/25x17
60630-IEC-1190	Candle lamp/B35	-	B22d/22, B22d/25x26
60630-IEC-1200	Candle lamp/B35	-	E27/27
60630-IEC-1210	Candle lamp/B35	-	B15d/24x17
60630-IEC-1220	Candle lamp/B35	-	E14/25x17
60630-IEC-1250	Pigmy lamp/S26	15, 25	E14/25x17
60630-IEC-1260	Pigmy lamp/S28	10, 15, 25	E14/25x17
60630-IEC-1270	Pigmy lamp/S28	10, 15, 25	B15d/24x17, B15d/27x22
60630-IEC-1280	Pigmy lamp/S28	10, 15, 25	B22d/22
60630-IEC-1310	Tubular lamp/T17	10, 15, 25	E14/20
60630-IEC-1320	Tubular lamp/T17	10, 15, 25	B15d/19
60630-IEC-1330	Tubular lamp/T20	15, 25	E14/23x15
60630-IEC-1340	Tubular lamp/T22	15, 20, 25	E14/25x17
60630-IEC-1350	Tubular lamp/T22	15, 20, 25	B15d/19
60630-IEC-1360	Tubular lamp/T25	15, 25	E14/25x17
60630-IEC-1370	Tubular lamp/T25	15, 25	B22d/22
60630-IEC-1380	Tubular lamp/T25	15, 25, 40	E14/25x17
60630-IEC-1390	Tubular lamp/T25	15, 25, 40	B15d/24x17
60630-IEC-1400	Tubular lamp/T25	15, 25, 40	B22d/22
60630-IEC-1410	Tubular lamp/T29	15, 25, 40, 60	E14/25x17
60630-IEC-1420	Tubular lamp/T29	15, 25, 40, 60	B22d/22
60630-IEC-1510	Reflector lamp/PAR50-R50	-	E14/25x17
60630-IEC-1520	Reflector lamp/PAR63-R60-R63	-	E27/27
60630-IEC-1530	Reflector lamp/R60-R63	-	B22d/25x26
60630-IEC-1540	Reflector lamp/PAR80-R80	-	E27/27
60630-IEC-1550	Reflector lamp/R80	-	B22d/25x26
60630-IEC-1570	Reflector lamp/PAR95L-R95	-	E27/27
60630-IEC-1580	Reflector lamp/R95	-	B22d/25x26
60630-IEC-1590	Reflector lamp/R125	-	E27/27
60630-IEC-1600	Reflector lamp/R125	-	B22d/25x26
60630-IEC-1610	Reflector lamp/PAR95S	-	E27/27
60630-IEC-1620	Reflector lamp/PAR121	-	E27/51x39

Sheet No	Description	Typical wattage(s) W	Cap
60630-IEC-2010	Pear shape/A60	25, 40, 60, 75, 100	E26/24
60630-IEC-2020	Pear shape/A60	25	E26/24
60630-IEC-2030	Pear shape/A67	150, 200	E26/24
60630-IEC-2040	Pear shape/A71	200	E26/24
60630-IEC-2050	Pear shape/A90	300	E26/24
60630-IEC-2510	Reflector lamp/R63	-	E26/24
60630-IEC-2520	Reflector lamp/R95	-	E26/24
60630-IEC-2530	Reflector lamp/RE95	-	E26/24
60630-IEC-2540	Reflector lamp/R127(SG)*	-	E26/24
60630-IEC-2550	Reflector lamp/R127(HG)*	-	E26/24
60630-IEC-2560	Reflector lamp/R127(HG)*	-	E26/53x39
60630-IEC-3010	Pear shape/A55-PS55	30, 40	E26/25
60630-IEC-3020	Pear shape/A60-PS60	60, 100	E26/25
60630-IEC-3030	Pear shape/A75-PS75	150, 200	E26/25
60630-IEC-3510	Reflector lamp/R50	-	E17/20
60630-IEC-3520	Reflector lamp/R63	-	E26/25
60630-IEC-3530	Reflector lamp/R80	-	E26/25
60630-IEC-3540	Reflector lamp/R100	-	E26/25
60630-IEC-3550	Reflector lamp/R110	-	E26/25
60630-IEC-3560	Reflector lamp/R120	-	E26/25
60630-IEC-3570	Reflector lamp/R127	-	E26/25
60630-IEC-3580	Reflector lamp/R135	-	E39/45
60630-IEC-3590	Reflector lamp/R160	-	E39/45
60630-IEC-3600	Reflector lamp/R170	-	E39/45
60630-IEC-3610	Reflector lamp/XR60	-	E26/25
60630-IEC-3620	Reflector lamp/YR65	-	E26/25
60630-IEC-3630	Reflector lamp/ZR75	-	E26/25
60630-IEC-3640	Reflector lamp/ZR95	-	E26/25
60630-IEC-4010	TH refl. with front cover Φ 51	-	GU5.3, GX5.3
60630-IEC-4020	TH refl. without front cover Φ 51	-	GU5.3, GX5.3
60630-IEC-4030	TH refl. with front cover Φ 51	-	GU10, GZ10
60630-IEC-4040	TH refl. with front cover Φ 64	-	GU10, GZ10
60630-IEC-4050	TH refl. with front cover Φ 51	-	GU7
60630-IEC-4060	TH refl. with front cover Φ 35	-	G5.3-4.8
60630-IEC-4070	TH refl. with front cover Φ 25	-	GY4
60630-IEC-4080	TH refl. with front cover Φ 25	-	GX5.3
60630-IEC-4090	TH refl. with front cover Φ 111	75, 100	GU10, GZ10

* SG = Soft glass HG = Hard glass

Culot/Cap B22	ENCOMBREMENT MAXIMAL DES LAMPES À INCANDESCENCE MAXIMUM LAMP OUTLINE FOR INCANDESCENT LAMPS		Désignation de l'ampoule Bulb designation A50-A55 A60-PS60
Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
25, 40, 60, 75, 100 W	B22d/25x26	Max. 62	Max. 108,5

Dimensions en millimètres – Dimensions in millimetres
Dessin pas à l'échelle – Drawing not to scale



The diagram shows a side profile of a B22 lamp. The base is a B22 screw cap with diameter X and height H. The main bulb body has a total height L and a maximum diameter Ø D. The bulb body is composed of a lower section with radius R2 and a upper section with radius R1. The lower section has a height M from the base and a shoulder height Y. The shoulder has a width X and a fillet radius R2. The upper section has a height L-M and a radius R1. The angle between the shoulder and the upper section is beta. The angle between the shoulder and the base is alpha. The drawing is not to scale.

D	69
H	26
L	108,5
M	20
R1	31
R2	19
X	37
Y	4
α	45°
β	60°

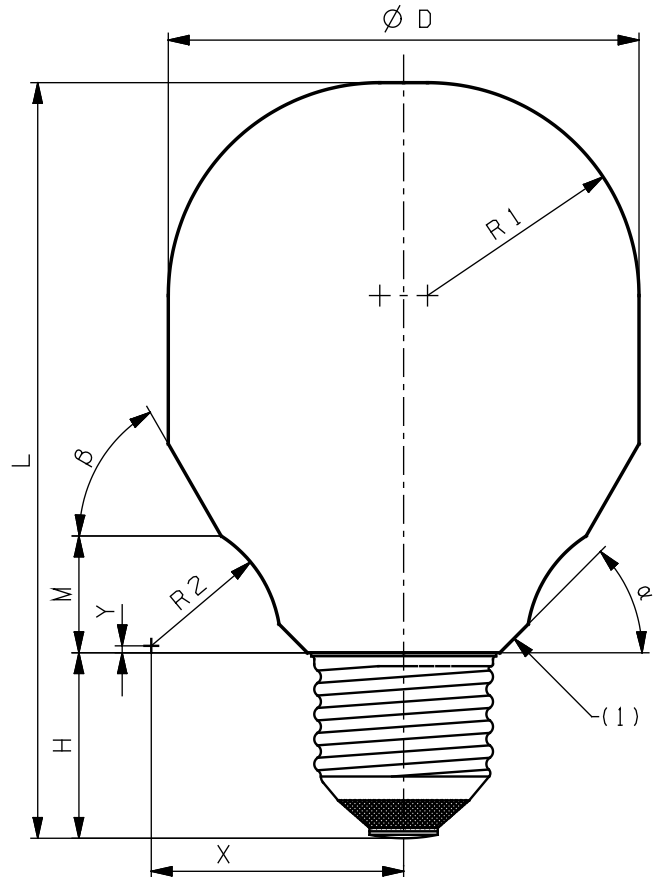
IEC 1880/14

60630-IEC-1010-6

Culot/Cap E27	ENCOMBREMENT MAXIMAL DES LAMPES À INCANDESCENCE MAXIMUM LAMP OUTLINE FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation A50-A55 A60-PS60
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Puissance(s) typique(s) Typical wattage(s) 25, 40, 60, 75, 100 W	Culot Cap E27/27	Diamètre de l'ampoule Bulb diameter Max. 62	Longueur hors tout Overall length Max. 110
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Dimensions en millimètres – Dimensions in millimetres
Dessin pas à l'échelle – Drawing not to scale



IEC 1881/14

NOTE

(1) Au-dessous de cette ligne le calibre correspondant s'applique.

(1) Below this line, the corresponding gauge applies.

D	69
H	27
L	110
M	17
R1	31
R2	19
X	37
Y	1
α	45°
β	60°

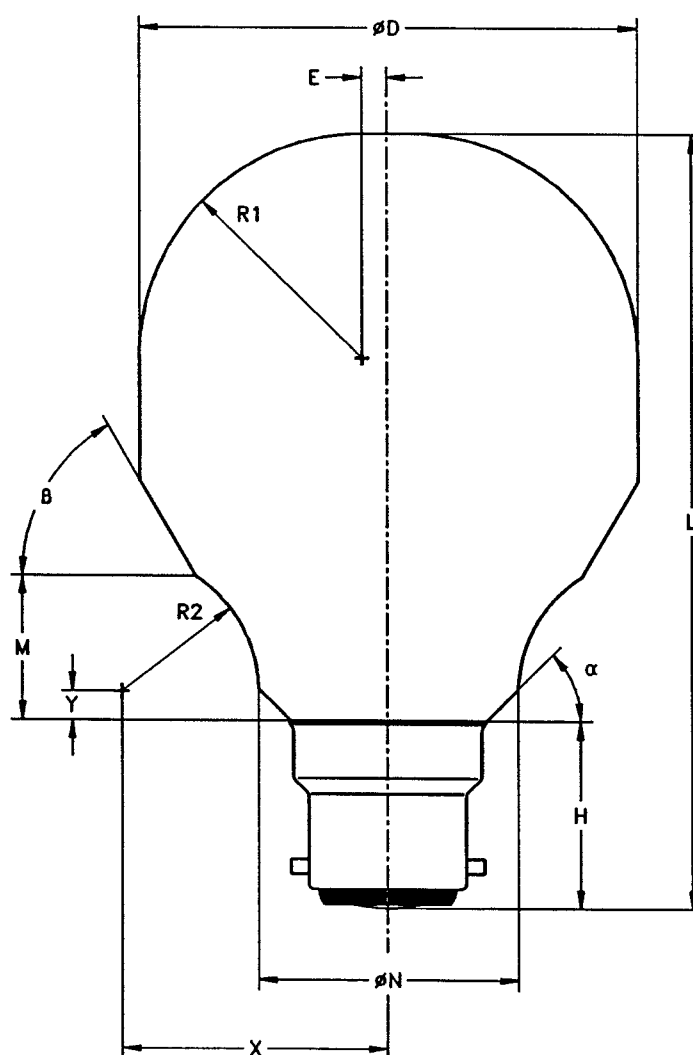
60630-IEC-1020-6

Documents

Culot/cap B22	ENCOMBREMENT MAXIMAL POUR DES LAMPES A INCANDESCENCE MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation A80 - PS80
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
150 W, 200 W	B22d/25x26	Max 82	Max 165

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

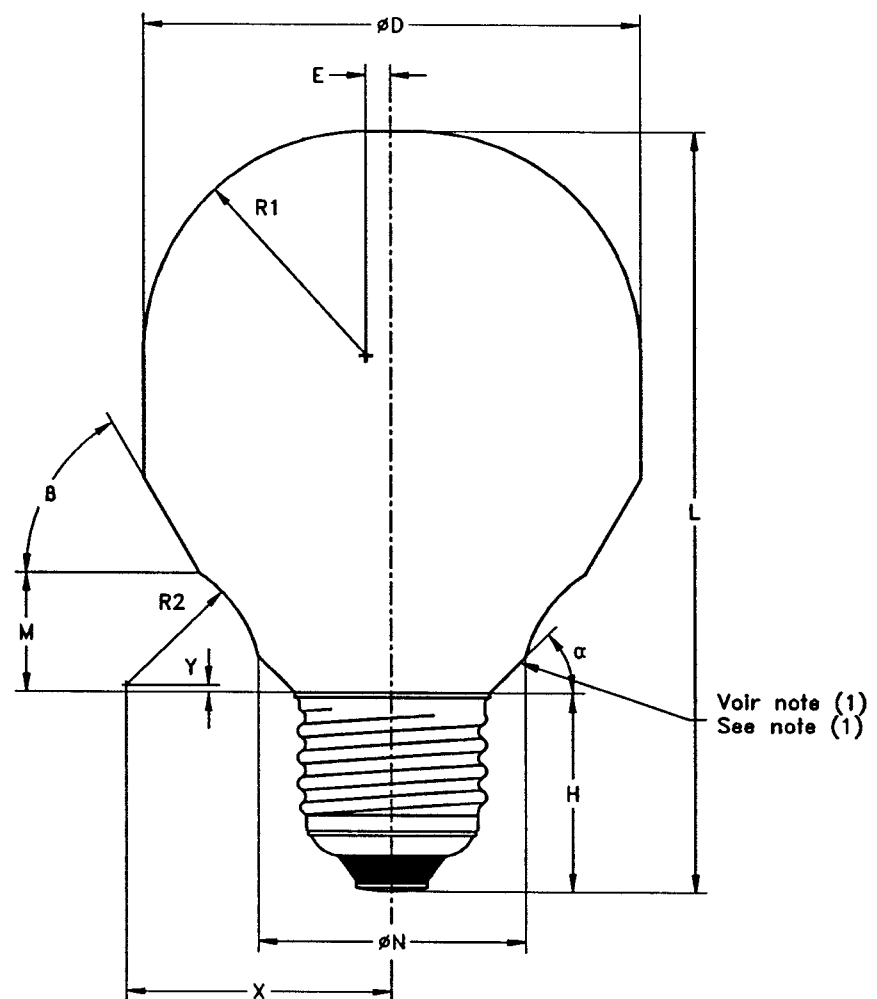


D	92
E	5
H	26
L	165
M	42
N	42
R1	41
R2	39
X	59
Y	12
α	45°
β	60°

Culot/Cap E27	ENCOMBREMENT MAXIMAL POUR DES LAMPES A INCANDESCENCE MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation A80 - PS80
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
150 W, 200 W	E27/27	Max 82	Max 166,5

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale



D	92
E	5
H	27
L	166,5
M	39
N	42
R1	41
R2	39
X	59
Y	9
α	45°
B	60°

NOTE

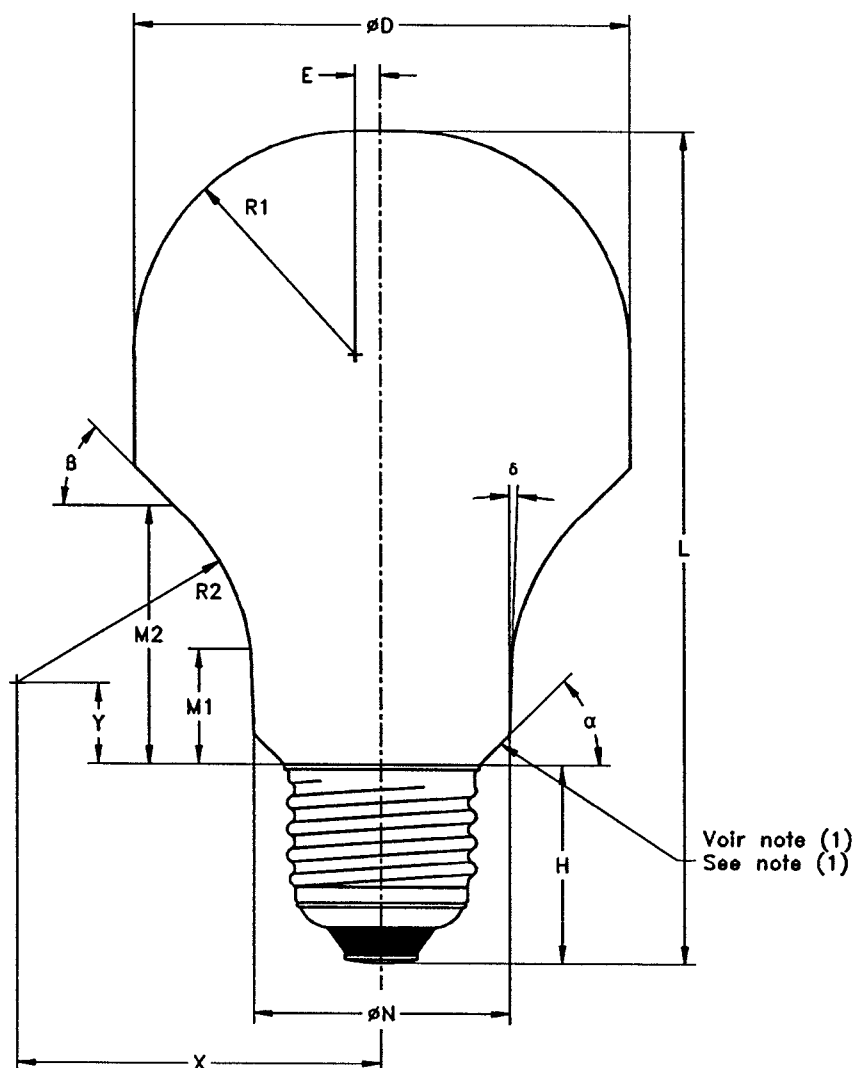
(1) Au-dessous de cette ligne le calibre correspondant s'applique.
(1) Below this line the corresponding gauge applies.

Culot/Cap E27	ENCOMBREMENT MAXIMAL POUR DES LAMPES A INCANDESCENCE MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation A90 - PS90
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
300 W	E27/27	Max 91	Max 184

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

D	102
E	5
H	27
L	184
M1	28
M2	56
N	44
R1	46
R2	47
X	70
Y	25
α	45°
β	45°
δ	2°



Voir note (1)
See note (1)

NOTE

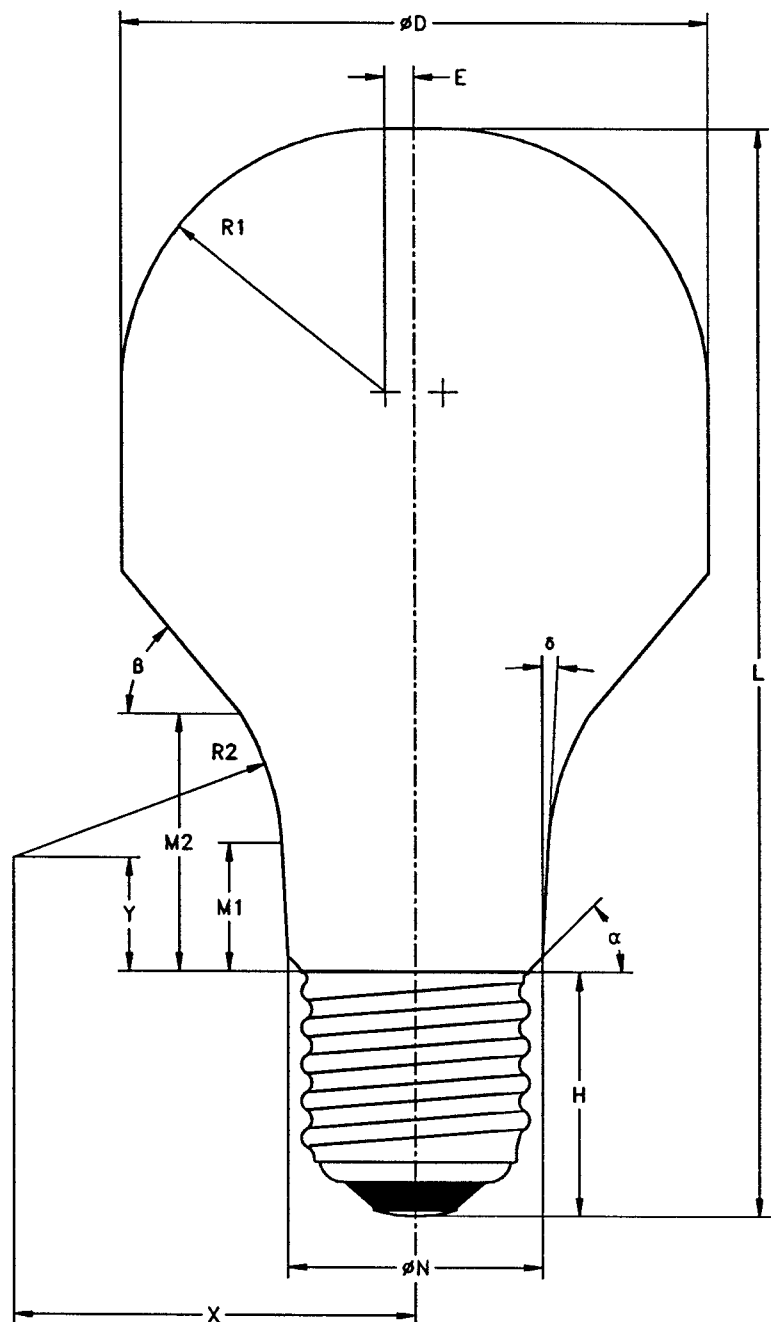
(1) Au-dessous de cette ligne le calibre correspondant s'applique.
(1) Below this line the corresponding gauge applies.

Culot/Cap E40	ENCOMBREMENT MAXIMAL POUR DES LAMPES A INCANDESCENCE MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation A90 - PS90
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
300 W	E40/41	Max 91	Max 189

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

D	102
E	5
H	41
L	189
M1	20
M2	46
N	44
R1	46
R2	47
X	70
Y	21
α	45°
β	50°
δ	2°

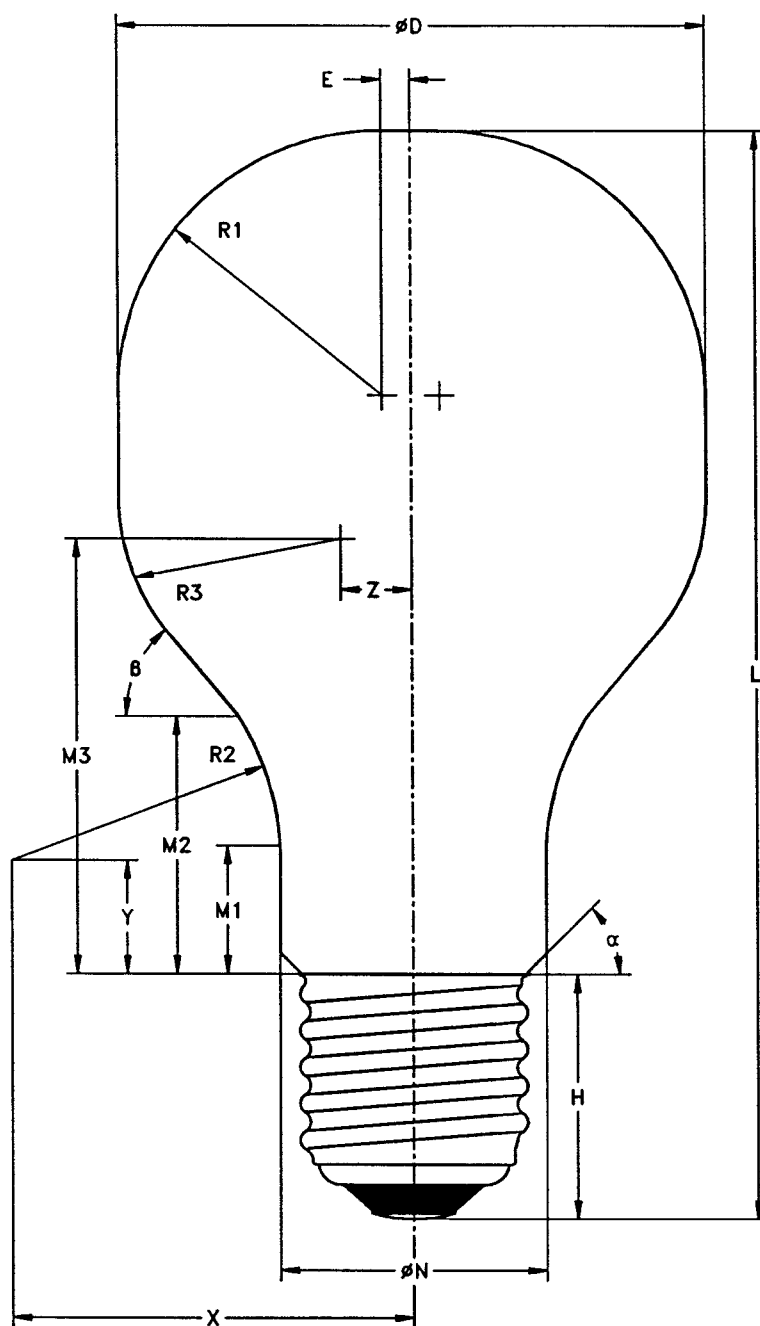


Culot/Cap E40	ENCOMBREMENT MAXIMAL POUR DES LAMPES A INCANDESCENCE MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation A110 - PS110
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
300 W, 500 W	E40/45	Max 111,5	Max 240

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

D	126
E	8
H	41
L	240
M1	36
M2	86
M3	123
N	56
R1	55
R2	70
R3	50
X	98
Y	38
Z	13
α	45°
β	45°

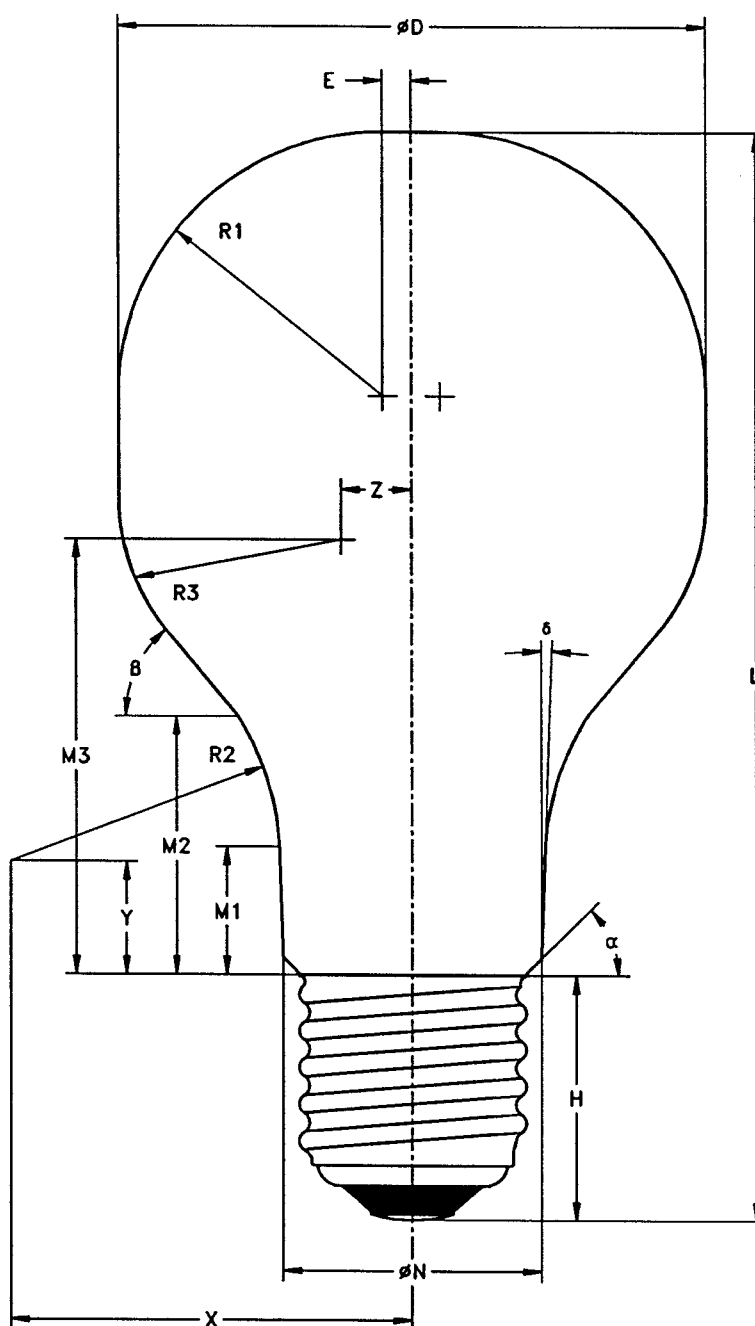


Culot/Cap	ENCOMBREMENT MAXIMAL POUR DES LAMPES A INCANDESCENCE MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation A130 - PS130
E40		

Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
1 000 W	E40/45	Max 131,5	Max 275

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

D	149
E	8,5
H	41
L	275
M1	47
M2	68
M3	157
N	58
R1	66
R2	38
R3	83
X	70
Y	47
Z	15
α	45°
β	60°
δ	4°

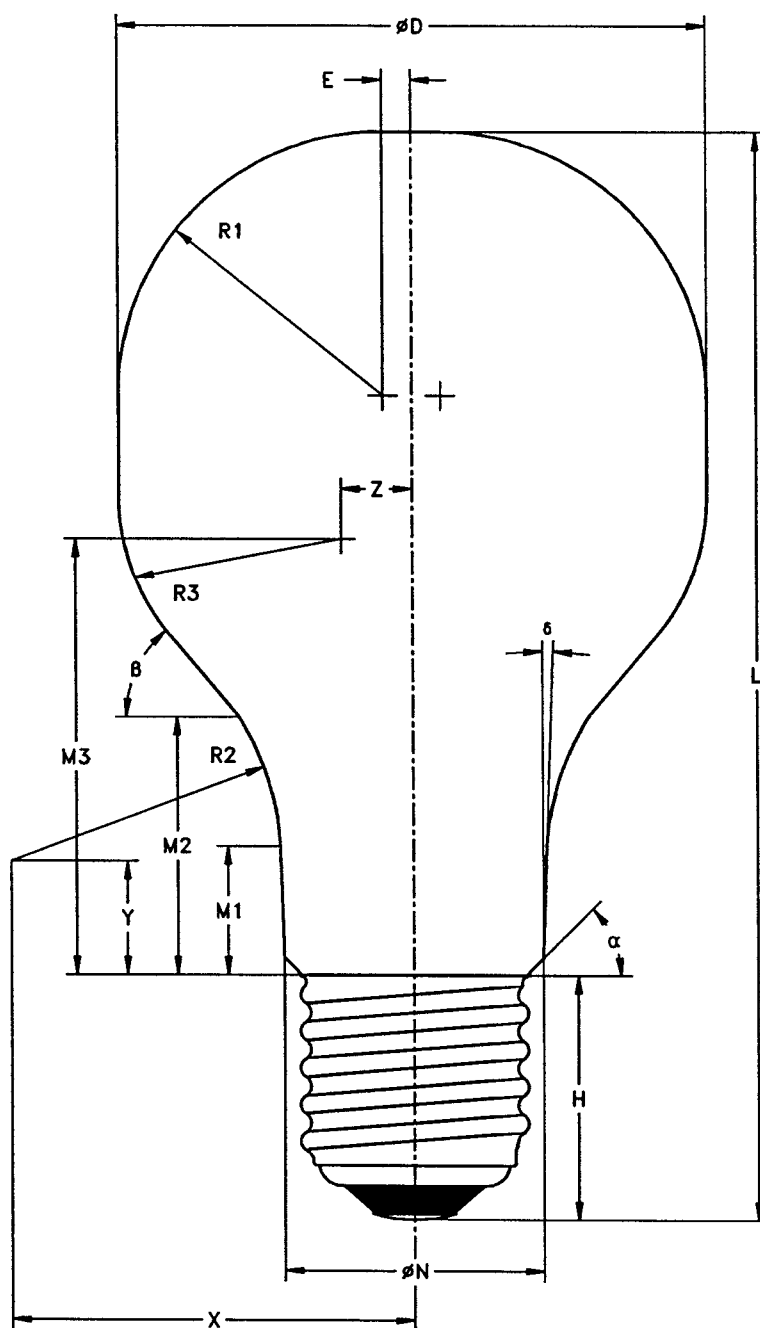


Culot/Cap	ENCOMBREMENT MAXIMAL POUR DES LAMPES A INCANDESCENCE MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation A150 - PS150
E40		

Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
1 000 W	E40/45	Max 151,5	Max 309

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

D	172
E	10
H	41
L	309
M1	46
M2	108
M3	167
N	58
R1	76
R2	88
R3	75
X	118
Y	46
Z	9
α	45°
β	45°
δ	4°

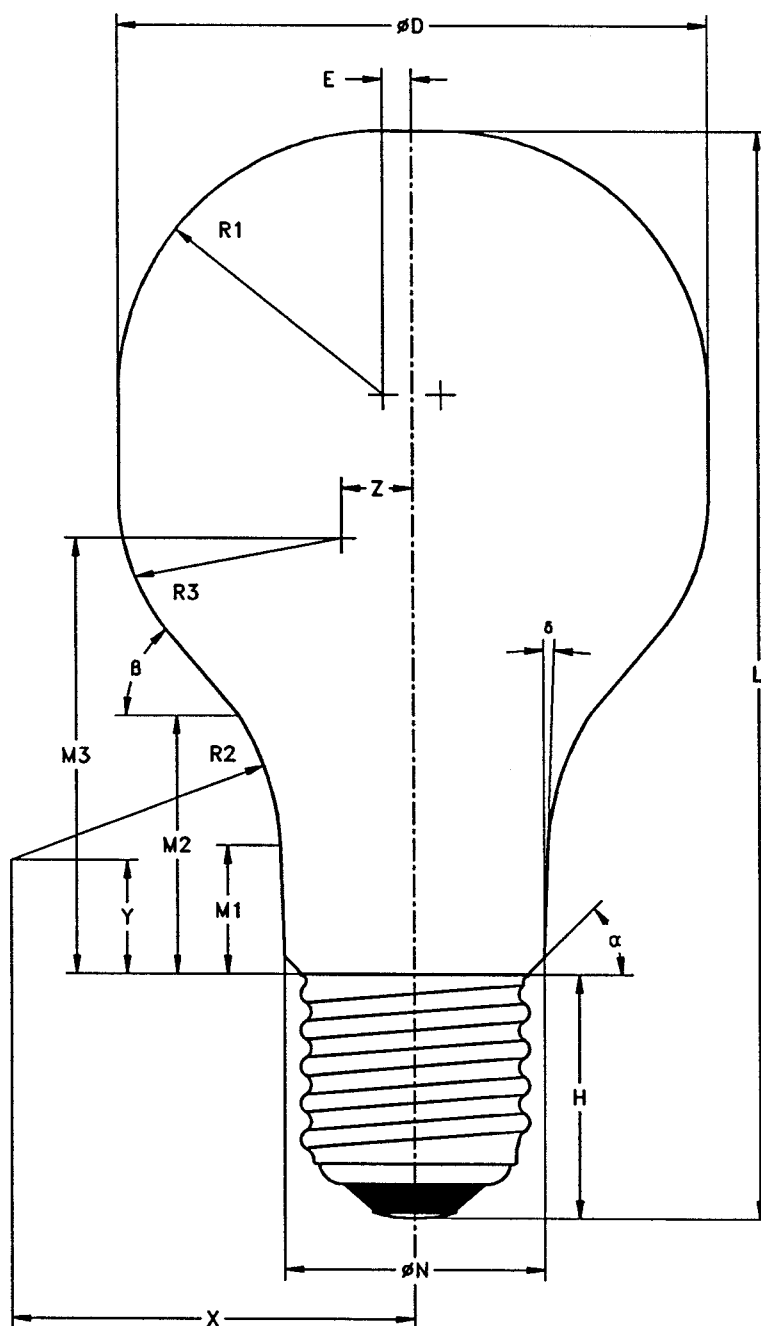


Culot/Cap	ENCOMBREMENT MAXIMAL POUR DES LAMPES A INCANDESCENCE MAXIMUM LAMP OUTLINES FOR INCANDESCENT LAMPS	Désignation de l'ampoule Bulb designation
E40		A170 - PS170

Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
1 500 W	E40/45	Max 171,5	Max 344

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

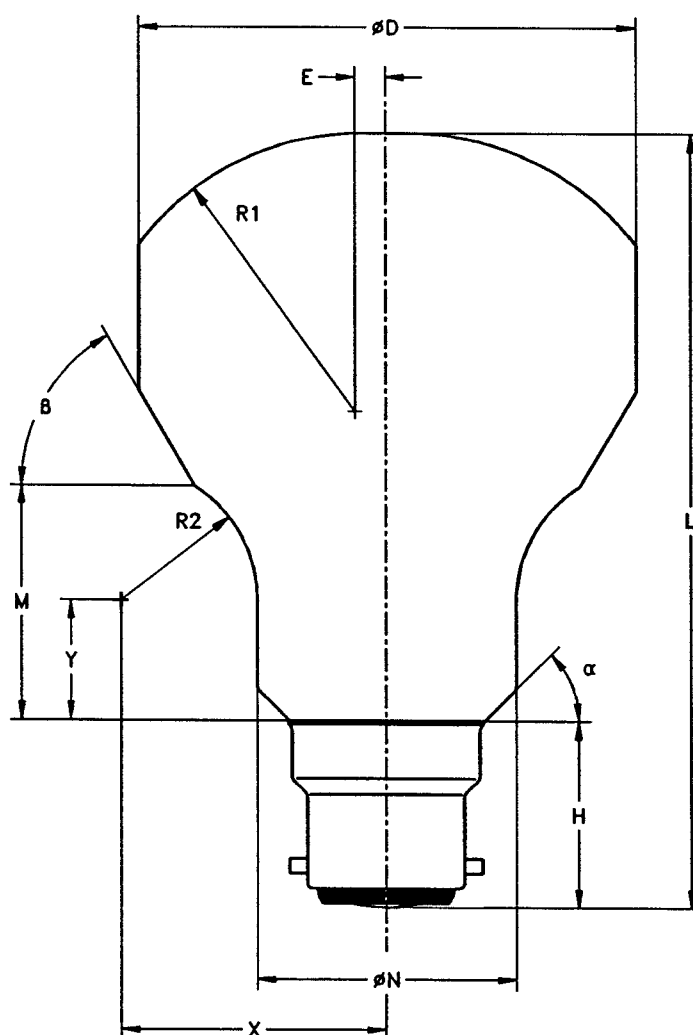
D	192
E	12
H	41
L	344
M1	42
M2	106
M3	179
N	60
R1	84
R2	90
R3	89
X	124
Y	42
Z	6
α	45°
β	45°
δ	5°



Culot/cap B22	ENCOMBREMENT MAXIMAL POUR LAMPES FORME CHAMPIGNON MAXIMUM LAMP OUTLINES FOR MUSHROOM SHAPED LAMPS	Désignation de l'ampoule Bulb designation M60
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
40 W, 60 W, 100 W	B22d/25x26	Max 61	Max 103,5

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

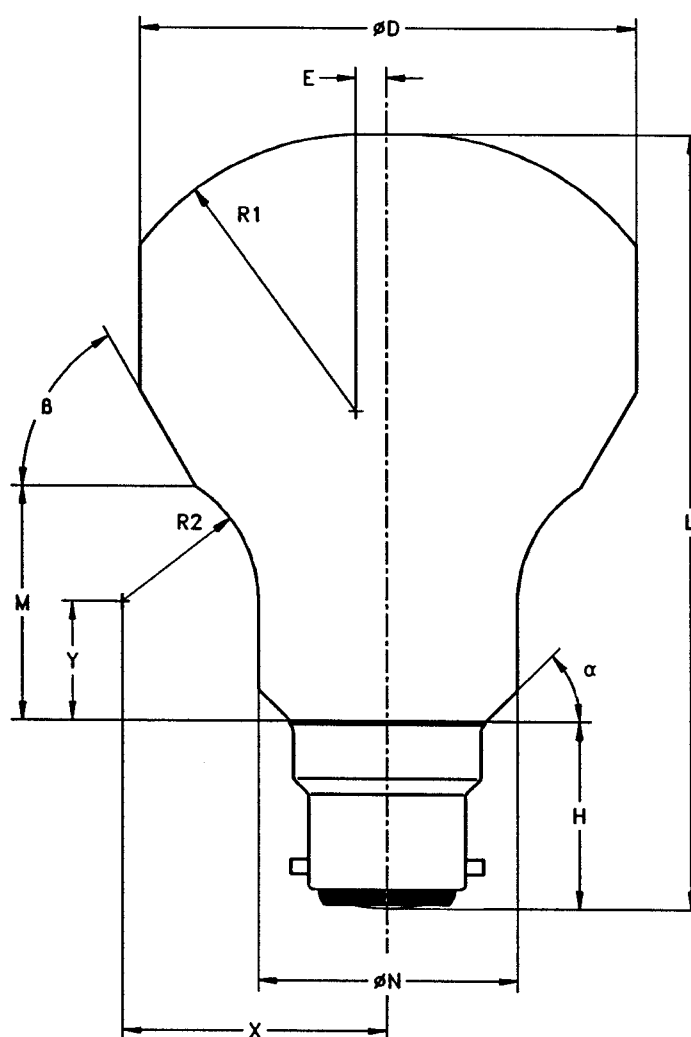


D	73
E	2,5
H	26
L	103,5
M	36
N	36
R1	40
R2	20
X	38
Y	4
α	45°
B	60°

Culot/cap B22	ENCOMBREMENT MAXIMAL POUR LAMPES FORME CHAMPIGNON MAXIMUM LAMP OUTLINES FOR MUSHROOM SHAPED LAMPS	Désignation de l'ampoule Bulb designation M50
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
40 W, 60 W	B22d/25x26	Max 51	Max 90,5

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale



D	62
E	2,1
H	26
L	90,5
M	31
N	31
R1	34
R2	17
X	32
Y	4
α	45°
B	60°

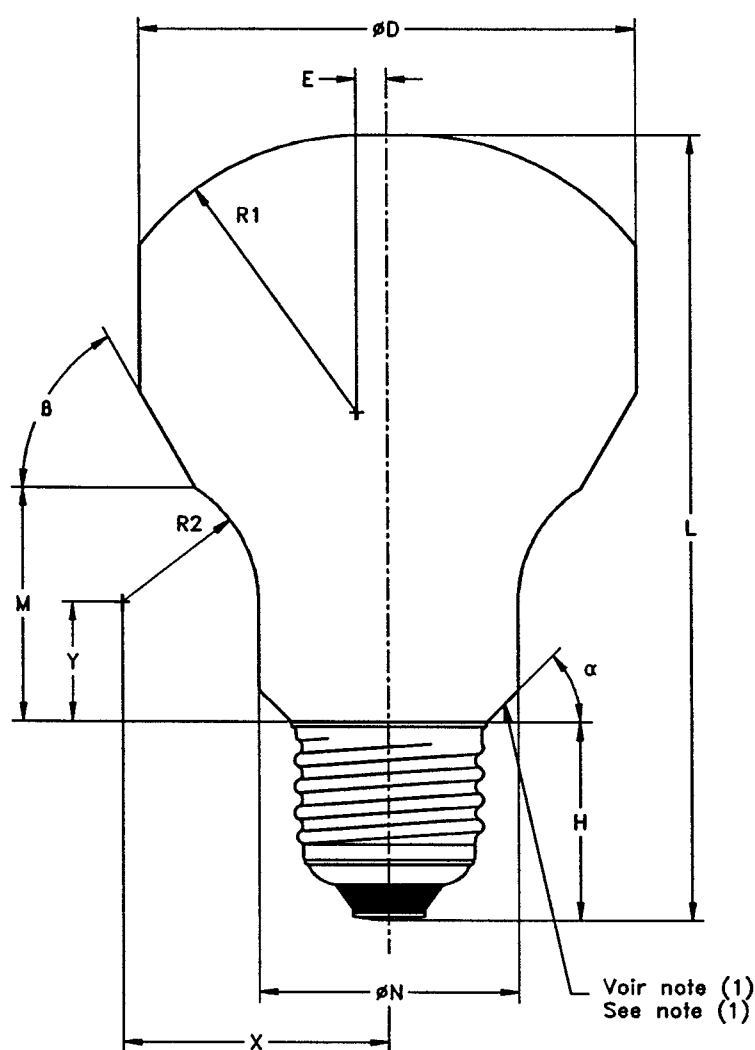
NOTE

Au Royaume Uni l'ampoule M60 est d'usage courant, voir feuille 630-IEC-1110.
In the United Kingdom the bulb M60 is in common use, see sheet 630-IEC-1110.

Culot/cap E27	ENCOMBREMENT MAXIMAL POUR LAMPES FORME CHAMPIGNON MAXIMUM LAMP OUTLINES FOR MUSHROOM SHAPED LAMPS	Désignation de l'ampoule Bulb designation M60
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
40 W, 60 W, 100 W	E27/27	Max 61	Max 105

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale



D	73
E	2,5
H	27
L	105
M	36
N	36
R1	40
R2	20
X	38
Y	5
α	45°
β	60°

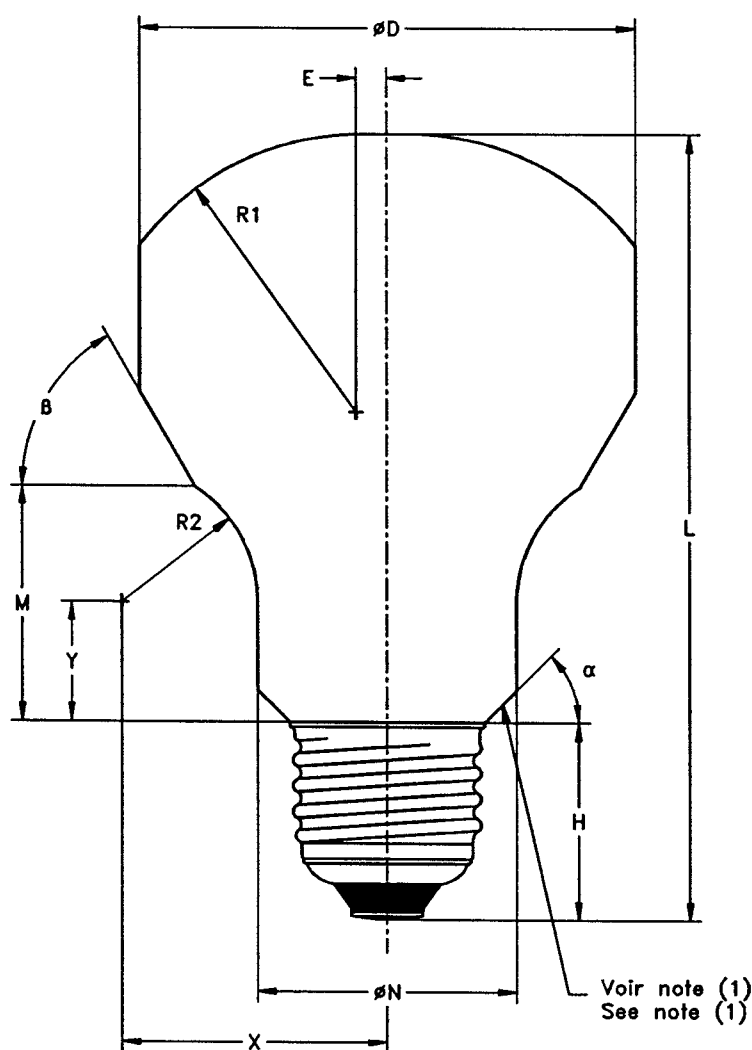
NOTE

(1) Au-dessous de cette ligne le calibre correspondant s'applique.
(1) Below this line the corresponding gauge applies.

Culot/cap E27	ENCOMBREMENT MAXIMAL POUR LAMPES FORME CHAMPIGNON MAXIMUM LAMP OUTLINES FOR MUSHROOM SHAPED LAMPS	Désignation de l'ampoule Bulb designation M50
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
40 W, 60 W	E27/27	Max 51	Max 92

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale



D	62
E	2,1
H	26
L	92
M	31
N	31
R1	34
R2	17
X	32
Y	4
α	45°
β	60°

NOTES

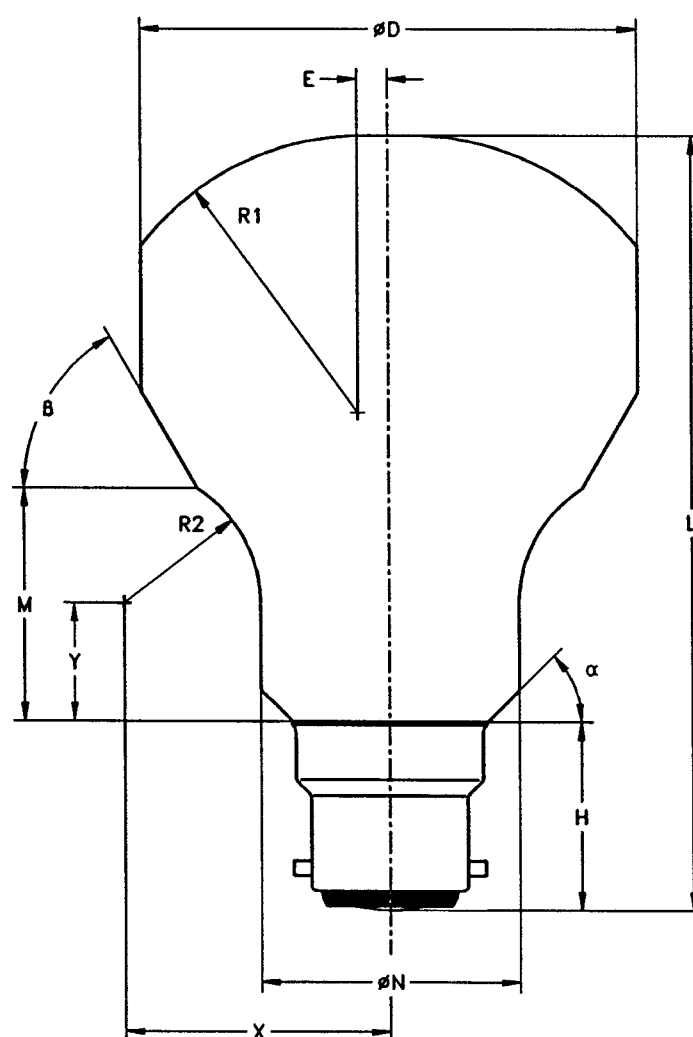
(1) Au-dessous de cette ligne le calibre correspondant s'applique.
(2) Au Royaume Uni l'ampoule M60 est d'usage courant, voir feuille 630-IEC-1110.

(1) Below this line the corresponding gauge applies.
(2) In the United Kingdom the bulb M60 is in common use, see sheet 630-IEC-1110.

Culot/cap B22	ENCOMBREMENT MAXIMAL POUR LAMPES FORME CHAMPIGNON MAXIMUM LAMP OUTLINES FOR MUSHROOM SHAPED LAMPS	Désignation de l'ampoule Bulb designation M75
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
150 W	B22d/25x26	Max 76	Max 124,5

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

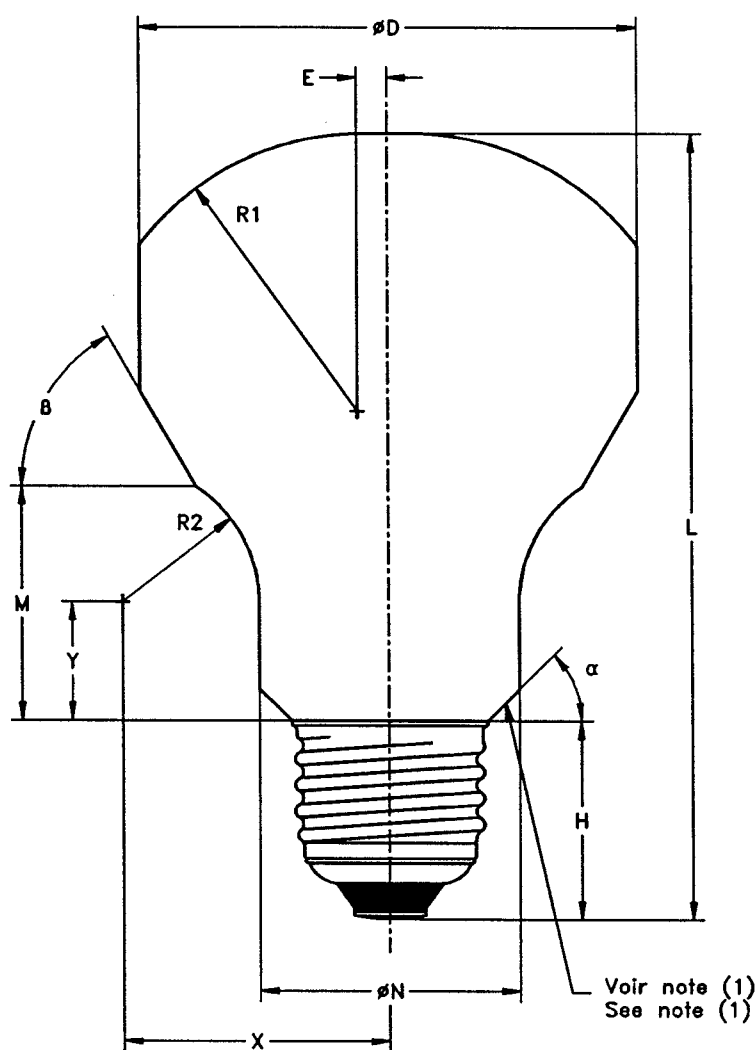


D	84
E	4
H	26
L	124,5
M	36
N	42
R1	42
R2	18
X	39
Y	8
α	45°
β	60°

Culot/cap E27	ENCOMBREMENT MAXIMAL POUR LAMPES FORME CHAMPIGNON MAXIMUM LAMP OUTLINES FOR MUSHROOM SHAPED LAMPS	Désignation de l'ampoule Bulb designation M75
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
150 W	E27/27	Max 76	Max 126

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale



D	84
E	4
H	27
L	126
M	40
N	41
R1	42
R2	20
X	41
Y	8
α	45°
β	60°

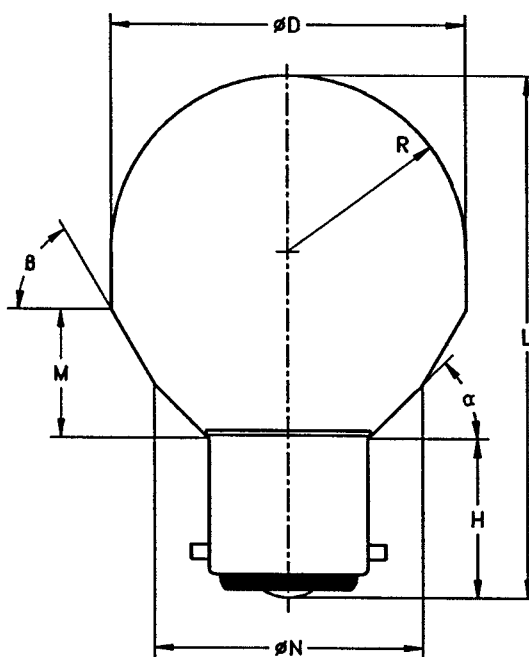
NOTE

(1) Au-dessous de cette ligne le calibre correspondant s'applique.
(1) Below this line the corresponding gauge applies.

Culot/cap B22	ENCOMBREMENT MAXIMAL POUR LAMPES SPHERIQUES POUR ECLAIRAGE GENERAL MAXIMUM LAMP OUTLINES FOR GLS LAMPS IN ROUND BULBS	Désignation de l'ampoule Bulb designation P45
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
	B22d/22 B22d/25x26	Max 46	Max 72,5

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale

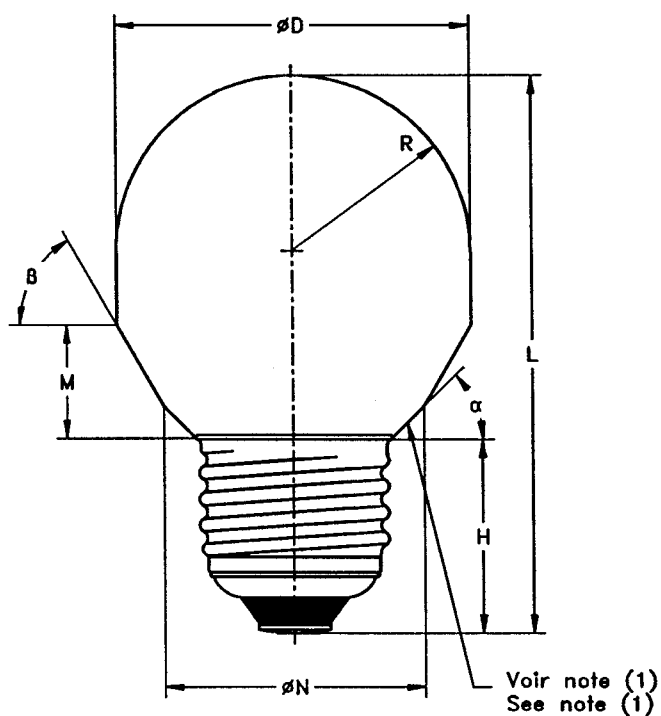


D	49
H	22
L	72,5
M	18
N	37
R	24,5
α	45°
β	60°

Culot/cap E27	ENCOMBREMENT MAXIMAL POUR LAMPES SPHERIQUES POUR ECLAIRAGE GENERAL MAXIMUM LAMP OUTLINES FOR GLS LAMPS IN ROUND BULBS	Désignation de l'ampoule Bulb designation P45
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
	E27/27	Max 46	Max 74

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale



D	49
H	27
L	74
M	16
N	36
R	24,5
α	45°
B	60°

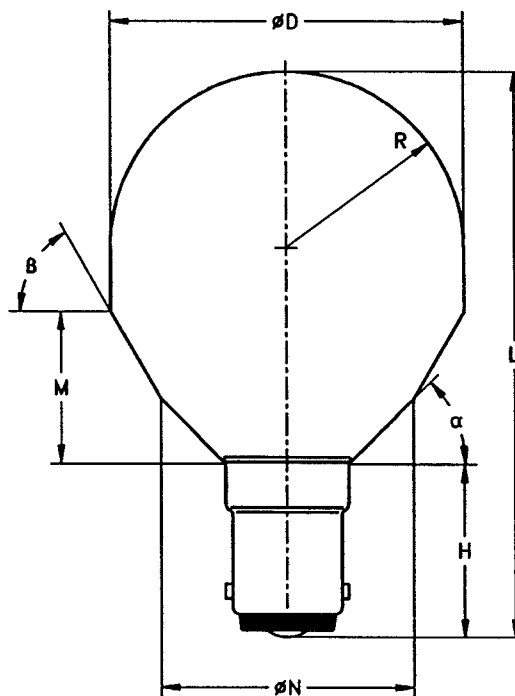
NOTE

- (1) Au-dessous de cette ligne le calibre correspondant s'applique.
(1) Below this line the corresponding gauge applies.

Culot/cap B15	ENCOMBREMENT MAXIMAL POUR LAMPES SPHERIQUES POUR ECLAIRAGE GENERAL MAXIMUM LAMP OUTLINES FOR GLS LAMPS IN ROUND BULBS	Désignation de l'ampoule Bulb designation P45
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Puissance(s) typique(s) Typical wattage(s)	Culot Cap	Diamètre de l'ampoule Bulb diameter	Longueur hors tout Overall length
	B15d/24x17	Max 46	Max 78,5

Dimensions en millimètres - Dimensions in millimetres
Dessin pas à l'échelle - Drawing not to scale



D	49
H	24
L	78,5
M	21
N	35
R	24,5
α	45°
β	60°

