



Conversion of GE Lamp Bases to IEC Codes

A substantial number of lamp bases produced by GE Lighting are also made to the dimensions required by lamp manufacturers in Europe, Asia, South America and other global markets. Sourcing is from our lamp base plants in the United States, Mexico and Hungary.

These bases, or "caps" as they are known in many of these markets, are made to the metric sizes and thread spacing standards of the International Electrotechnical Commission.

The IEC has its own system of product code numbers. It is quite different than ours, but GE product code numbers can be easily converted into the IEC system using the table on page 2 of this data sheet.

(Information on GE lamp bases can be found in other data sheets in this series, specifically those describing medium screw, mogul screw, fluorescent, automotive and miniature/ subminiature lamp bases.) The IEC code numbers are very descriptive and functional, but some explanation of the system may be beneficial.

1. The IEC code starts with a capital letter which indicates the type of base, as follows:

- BA Bayonet (usually automotive)
- BAY bayonet with index pin (usually automotive)
- E screw thread
- Fa single pin
- G two or more contact pins, posts, etc.
- P prefocus
- R recessed contact(s)
- S pinless
- SX pinless flanged
- T telephone slide

2. The number following the letter(s) indicates **the approximate value in millimeters of the principal dimension of the base:**

For BA, BAY, S and SX, the diameter of the shell

E: the crest diameter of the screw thread

F: the diameter or other similar important dimension(s) of the pin

G: pin spacing: for two pins the distance between the centers of the pins, for more pins of which the centers are situated on a circle, the diameter of the circle

P: the diameter of the part by which the lamp is located laterally

R: recessed contacts

T: the external width measured across the contact plates or a corresponding dimension

3. A small letter after the first figure indicates the **number of contacts** (plates, pins): "s" for single, "d" for double, "t" for triple and "q" for quadruple.

4. A number preceded by a dash denotes other dimensions.

5. A number following the oblique strokes indicates the **approximate overall height** of the base in mm, including protruding insulation, but excluding the height of protruding contact plates or the length of (contact) pins.

6. A number preceded by the multiplication sign (x) is added in the case of **bases having a skirt or a spun-in shell**. The number indicates in millimeters of the outside diameter of the skirt or the inside diameter of the open end, respectively.

7. Certain bases may belong to one group, yet show properties

of one or more additional groups. The symbols for each of these groups are then given, the most important being placed first.

8. Bases which have the same designation according to this system, but which, because of some particular feature(s) are not interchangeable, are differentiated by adding an X, Y or Z after the letter(s).

9. Numeral(s) after a slash sign denote other pertinent dimension(s) in nearest mm, usually the height.

Examples:

- BA15d/19 Bayonet, 15mm diameter meter, double contact, 19mm high
- E26/24 Screw thread at 26mm diameter, 24mm high
- E26/50X39 Screw thread at 26mm diameter, 50mm high with a 39mm open end (skirted base)
- E39d41 Screw thread at 39mm diameter, double contact, 41mm high
- Fa8/10 x 23.5 Single pin at 8mm diameter, 10mm shell height, 23.5mm shell diameter
- G5.3/18.5 x 86 x 15.5 Two pin base at 5.3mm spacing, with 18.5mm x 86mm x 15.5mm body
- P40s/41 Prefocus at 40mm diameter, single contact, 41mm high
- R17d/10 x 35 Recessed double contact imbedded in a 17mm boss, 10mm shell height, 35mm shell diameter
- SX6s/8 Pinless flanged, at 6mm diameter, single contact, 8mm high
- T7.2-2 Telephone slide at 7.2mm contact spacing, type 2

GE-IEC Lamp Base Product Code Number Conversion Table

DESIGNATION	NOTE	G.E. NUMBER	DESIGNATION	NOTE	G.E. NUMBER	DESIGNATION	NOTE	G.E. NUMBER
BA9s/12.5	2, 5, 7a	0651-ALL	E39/41	2, 4	0401-ALL	G38/154x70	1, 4	1622-01
BA15d/19	3, 6	1011-ALL	E39/76x57	3, 6	0402-03	P13.5s/14	1, 4	0652-ALL
BA15d/19	1, 4, 7b	1002-03 thru -06, -22, -27, -28	E39/101x57	3, 6	0403-09	P28s/25	1, 4	1850-01
BA15d/20.6	2, 5	1002-17, -36	E39d/41	3, 6	0409-ALL	P30d-10.3	1, 4, 8	1003-ALL
BA15s/19	1, 4, 7c	1103-01 thru -04, -13, -24 thru -39	E40/45	1, 6	0405-ALL	P30s-10.3	1, 4, 8	1104-ALL
BA15s/19.8	2, 5	1103-15	Fa8/10x25	1, 4	2108-ALL	P40s/41	1, 4	1852-ALL
BAY15s/19	3, 5	1105-ALL	Fa8/10x35	1, 4	2112-ALL	R17d/10x35	1, 4	2512-ALL
BAY15d/19	1, 4, 7d	1004-ALL	Fa8/12x18	1, 4	2106-05	R17d/13x30	1, 4	2510-10
E5/8	2, 4	1813-02	G5/10x13	1, 4	2205-ALL	R17d/17x50	1, 4	2517-10
E10/12	2, 4	0601-ALL	G5.3/18.5x8.6x15.5	2, 5	1614-02	SX4s/4	3, 4	0967-02
E11/21 x 14.5	3, 4	1509-01	G5.3/18.5x8.6x15.5	2, 5	1620-01	S5.7s/8	1, 6	1503-ALL
E12/15	3, 4	0501-ALL	G5.3/18.5x8.6x22	2, 5	1615-01	SX6s/8	1, 6	0957-ALL
E17/20	1, 4	1302-ALL	G9.5/23.75x9.5x24	2, 5	1616-03	S11/10	3, 6	3161-03
E26/24	1, 4	0102-ALL	GY9.5/24x14x16	1, 4	1613-02	S11/10.6	3, 6	3161-01
E26/24	3, 4	1809-03	GZ9.5/21x14x16	1, 4	1613-01	S11/13	3, 6	1512-01
E26/50x39	3, 4	0108-04	GZ9.5/21x14x22	1, 4	1613-03	S22s/22x19	3, 6	1825-01
E26/52x38	3, 6	0125-05	G10q	1, 4	2401-ALL	S25s/25.3	3, 6	0150-02
E26/52x39	3, 6	0125-02, -03	G13/9x25	2, 4	2208-ALL	T7.2-1	3, 4	0905-10
E26d/24	1, 4	0122-06, -07	G13/9x35	2, 4	2212-ALL	T7.2-2	3, 4	0902-01, -08
E26d/24	1, 4	0123-01	G15.9t/28.5	3, 6	1949-01	T7.2-5	3, 4	0907-10
E27/27	1, 6	0129-ALL	G16.25q/34x23x17	3, 6	1928-01	N/A	3, 6	0960-ALL
E27/51x39	1, 6	0108-12	G17t-7	3, 5	1617-01, -04	N/A	3, 6	0961-ALL
E27/54x39	3, 6	0125-04	G20/16.2x50	2, 4	2217-ALL	N/A	3, 6	1885-ALL
E30/28	3, 6	1907-01	G22/45x24	1, 4	1621-02	N/A	9	1602-ALL
E30/54x38	3, 6	1908-01	G38/62x19x58	1, 4	1623-02	N/A	3, 6	7514-04
			G38/119x44.5	1, 4	1619-02			

Notes:

- Compatible to IEC Standards.
- Similar to, but not fully compatible to IEC Standards.
- Not standardized by IEC.
- Compatible to ANSI Standards.
- Similar to, but not fully compatible to ANSI Standards.
- Not standardized by ANSI.

- a. SAE Type A-1
b. SAE Type B-2
c. SAE Type B-1
d. SAE Type C-2
- Conforms to listed standards when used with collar 3508-01 or -02
- Shell accommodates insulator to conform to IEC and ANSI G17q, GX17q, or GY17q Standards as well as the G17t.

Ordering Information

For additional information, requests for quotation or placement of an order, contact the GE Lighting Components office in Cleveland.

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