



Lamp Bases

GENERAL  **ELECTRIC**

GENERAL ELECTRIC COMPANY
Components Marketing and Sales Operation





Your Most Complete Source For Quality Lamp Bases: General Electric Company

- Full range of sizes and types
- Engineering and application assistance
- Modern production facilities

You'll find it all at GE!

General Electric Company produces over 2½ billion lamp bases every year and a substantial portion of that output is utilized by other lamp makers around the world.

To our external customers we deliver much more than lamp bases. They derive full benefit from over 60 years of innovation and product development, our modern, high production facilities, the experience and expertise of our engineering personnel and the insistence on high quality that characterizes every product we make.

Today, GE has over 200 different lamp base configurations in regular production, and the number is growing. Sizes range from ¼" to over 2½" in diameter. Applications cover a broad range, from the screw base of the familiar household incandescent to lighting systems that illuminate large buildings, stadiums, and the Statue of Liberty.

General Electric produces lamp bases in fully automated production facilities, using computers and modern statistical methods to keep our quality levels high...and our costs to customers as low as possible.

Although our orientation is high volume parts, we are flexible enough to produce small and medium quantities when required.

Lamp bases are much more than threaded hollow metal shells. Look inside and you'll see a combination of precision metal components sealed together with glass or plastic. It's a package that provides the required strength to anchor the light bulb assembly...offers good electrical properties, high reliability, and low cost.

Each section of this catalog includes a list of lamp bases along with product code numbers and part descriptions. Many of these products are available from stock,

while others can be made with existing tooling with very short lead time.

GE lamp bases conform to a number of specifications, including the ANSI and SAE codes. To meet specifications in international markets, GE also manufactures certain bases which are made to the metric dimensions published by the International Electric Commission (IEC). A conversion table from GE product code numbers to IEC designations appears on page 14 of this catalog.



Medium Bases

As part of the everyday incandescent lamp, medium screw bases are by far the most familiar product in this catalog.

The most popular configuration is an aluminum shell with brass eyelet, glass insulation, single contact, and a cone dome. Brass is also a common shell material.

These bases are available in other ferrous and non-ferrous metal shells, with cone or round domes, and with thread configurations made to customer specifications, including left-hand threads. Various insulation materials, different types of plating for shells, side wire attachment accommodations, custom skirts to meet special

lamp or socket sizes, stamped or inked markings, and custom venting are other design options.

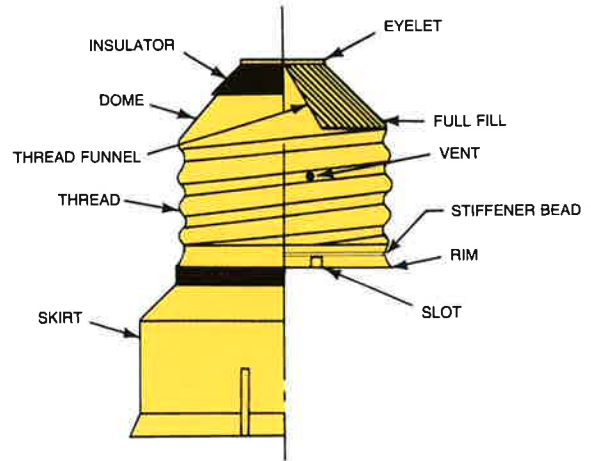
In addition to the more common types listed here, there are a variety of special options to meet different user needs.



MEDIUM SCREW BASES

(Glass insulation)

PRODUCT CODE NO.	DESCRIPTION
0102-24	Aluminum, Cone Dome, Center Fill, Beaded Skirt
0102-30	Brass, Cone Dome, Full Fill w/Vent Hole
0102-32	Aluminum, Cone Dome, Center Fill, Beaded Skirt w/Vent Hole
0102-38	Aluminum, Round Dome, Center Fill, Special Thread Funnel, w/Vent Hole
0102-46	Aluminum, Cone Dome, Center Fill, Beaded Skirt, Special Thread Funnel, w/Vent Hole
0102-47	Brass, Cone Dome, Center Fill, Special Thread Funnel, w/Vent Hole
0102-48	Brass, Cone Dome, Center Fill, Special Thread Funnel, Date Coded w/Vent Hole
0102-49	Aluminum, Cone Dome, Center Fill, Beaded Skirt, Special Thread Funnel
0102-50	Brass Cone Dome, Center Fill, Special Thread Funnel, w/Vent Hole, NP Finish
0102-51	Brass Cone Dome, Center Fill, Special Thread Funnel, Date Coded w/Vent Hole, NP Finish
0102-53	Brass, Cone Dome, Center Fill, Special Thread Funnel, w/Vent Hole, Stress Relieved Shell
0102-52	Brass, Cone Dome, Full Fill
0108-04	Brass, Skirted
0108-12	Brass, Skirted, International Thread
0122-06	Brass, Three Light
0122-07	Aluminum, Three Light
0123-01	Aluminum, No Contact Plate Hole
0125-02	Brass, Skirted
0125-03	Brass, Skirted, NP Finish
0125-04	Brass, Skirted, International Thread
0125-05	Brass, Skirted (Non Ribbed)
0129-01	Aluminum, Cone Dome, Center Fill, International Thread
0129-03	Brass, Cone Dome, Center Fill, International Thread
1809-03	Brass, Left Handed Thread
1907-01	Brass, Admedium
1908-01	Brass, Admedium, Skirted



SCREW BASE TERMINOLOGY

MEDIUM THREADLESS AND PREFOCUS SINGLE-CONTACT BASES

(Glass insulation)

PRODUCT CODE NO.	DESCRIPTION
0150-02	Brass, Threadless
1850-01	Brass, Prefocus





Mogul Bases

Higher wattage incandescent and high intensity discharge lamps utilize mogul size screw bases. A variety of materials, finishes and other options are available, including a ceramic insulated base for high temperature applications.

MOGUL SCREW BASES (Glass insulation, unless otherwise noted)	
PRODUCT CODE NO.	DESCRIPTION
0401-02	Brass
0401-03	Brass, NP Finish
0401-05	Brass, Slotted Rim
0401-07	Brass, Prong Eyelet, Large Eyelet Hole
0401-08	Brass, Prong Eyelet, Large Eyelet Hole, NP Finish
0401-10	Brass, Prong Eyelet, Large Eyelet Hole, Slotted Rim, NP Finish
0401-12	Aluminum, Eyelet Not Pierced, Skirt Stiffener
0401-13	Brass, Eyelet Not Pierced
0401-14	Brass, Eyelet Not Pierced, NP Finish
0401-18	Brass, Slotted Rim, NP Finish
0401-19	Brass, Date Coded Type R
0401-20	Brass, Date Coded Type R, NP Finish, Lubricated
0401-22	Brass, Date Coded Type T
0401-23	Brass, Date Coded Type T, NP Finish
0401-24	Brass, Eyelet Not Pierced, Date Coded Type R
0401-39	Brass, Double Date Coded Type R
0401-40	Brass, Double Date Coded Type R, NP Finish
0401-41	Brass, Double Date Coded Type T
0401-42	Brass, Double Date Coded Type T, NP Finish
0401-46	Brass, Glazed Ceramic Insulation, Date Coded, Special Eyelet w/.060" Hole, NP Finish
0401-47	Brass, Glazed Ceramic Insulator, Date Coded, Special Eyelet w/.060" Hole

0401-50	Brass, Extended Thread, Date Coded Type R, NP Finish
0401-51	Brass, Extended Thread, Date Coded Type R
0401-55	Brass, Extended Thread, Date Coded Type T, NP Finish
0401-56	Brass, Extended Thread, Date Coded Type T
0402-03	Brass, Skirted, .125" Eyelet Hole, NP Finish
0403-09	Brass, Skirted with Brass Strap (Clamp) Assembly, Date Coded, Prong Eyelet
0405-03	Brass, Glazed Ceramic Insulator, Special Eyelet With 0.060" Hole, International Thread, NP Finish
0405-04	Brass, Glazed Ceramic Insulator, Special Eyelet With 0.060" Hole, International Thread
0409-05	Aluminum, Plastic Insulation, Three-light, Dual Contact, Vented, Beaded Rim
0409-06	Brass, Plastic Insulation, Three Light, Dual Contact

MOGUL PREFOCUS BASES (Glass Insulation)	
PRODUCT CODE NO.	DESCRIPTION
1852-01	Brass, 0.080" Eyelet Hole
1852-03	Brass, 0.050" Eyelet Hole

MINIATURE SCREW BASES (Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
0601-02	Aluminum, Marked "USA", Vented
0601-15	Brass, Marked "USA", Vented
0601-16	Brass, Marked "USA", NP Finish, Vented
0601-18	Aluminum, Vented



Candelabra Screw Bases

CANDELABRA SCREW BASES (Plastic insulation)	
PRODUCT CODE NO.	DESCRIPTION
0501-01	Aluminum, Vented
0501-05	Aluminum, Vented, Marked "USA"
0501-07	Brass
0501-09	Brass, Marked "USA"
0501-15	Brass, Marked "USA", Vented

0651-02	Marked "USA", 0.431" TIP Clearance
0651-03	NP Finish, 0.431" TIP Clearance
0651-04	Marked "USA", NP Finish, 0.431" TIP Clearance
0651-19	0.416" TIP Clearance
0651-20	Marked "USA", 0.416" TIP Clearance
0651-21	NP Finish, 0.416" TIP Clearance
0651-22	Marked "USA", NP Finish, 0.416" TIP Clearance
0651-23	Marked "USA", NP Finish, Special Insulator

MINIATURE CANDELABRA SCREW BASES (Ceramic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
1509-01	Brass, NP Finish ("Minican")

MINIATURE FLANGED SINGLE-CONTACT PRE-FOCUS BASES (Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
0652-12	Aluminum, Marked "USA"
0652-13	Brass, Marked "USA", NP Finish
0652-14	Aluminum
0652-15	Brass, Marked "USA"
0652-17	Brass
0652-18	Aluminum, Marked "USA", Vented

MINIATURE BAYONET SINGLE-CONTACT BASES (Brass, Glass Insulation)	
PRODUCT CODE NO.	DESCRIPTION
0651-01	0.431" TIP Clearance



Telephone Slide Bases

The primary application for these bases are telephone indicator lamps, but they can also be used in both incandescent and neon glow type indicator lamps.

TELEPHONE SLIDE BASES (Brass Base, Nylon Insulation, NP Finish)	
PRODUCT CODE NO.	DESCRIPTION
0902-01	Type #2
0902-08	Type #2, Raised Punch Prick
0905-10	Type #1
0907-10	Type #5

SUBMINIATURE BASES (Brass, Plastic Insulation, Flanged)	
PRODUCT CODE NO.	DESCRIPTION
0957-03	T-1¼, w/Solder Indent, NP Finish
0957-04	T-1¼, NP Finish
0957-11	T-1¼
0957-51	T-1¼, w/Special Solder Indent, NP Finish
0967-02	T-1, NP Finish

Candelabra Bases Bayonet and Prefocus

Automobile lamps are the major end use for these products, but there are a variety of other applications. Candelabra bases are available in brass or nickel-plated brass shells, with glass or ceramic insulators, and with one or two eyelets. Prefocus collars (3508) are sold separately for use with 1003 and 1104 base types.

Bayonet bases are available with pins placed in different planes to achieve polarity. Stamped or inked markings, and accommodations for side wire attachments, are some of the available options.

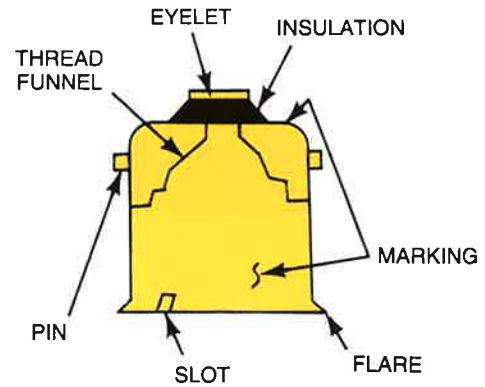
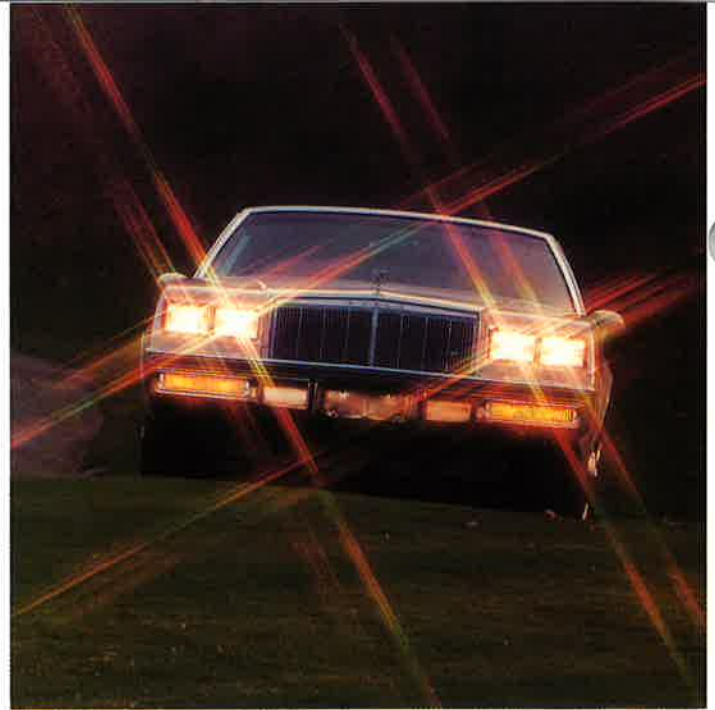
CANDELABRA BAYONET DOUBLE-CONTACT BASES (Brass Bases With Glass Insulation, Unless Otherwise Noted)	
PRODUCT CODE NO.	DESCRIPTION
1002-03	Marked "USA"
1002-04	(Standard)
1002-05	NP Finish
1002-06	Marked "USA", NP Finish
1002-17	1/16 Inch Longer Shell, Marked "USA"
1002-22	Slotted
1002-27	Slotted, NP Finish
1002-28	Slotted, Marked "USA"
1002-36	1/16 Inch Longer Shell, Ceramic Insulator, NP Finish (Can Be Used With Collar 3508)
1004-02	(Standard), Offset Pins
1004-04	Marked "USA", Offset Pins
1004-06	In-line Slot, Marked "USA", Offset Pins
1004-13	45° Slot, Marked "USA", Offset Pins
1004-19	45° Slot, NP Finish, Offset Pins
1004-20	45° Slot, Offset Pins
1004-33	45° Slot, Marked "USA", NP Finish, Offset Pins
1011-02	Small Open End, Marked "USA"
1011-03	Small Open End

Candelabra Bases CONTINUED

CANDELABRA BAYONET SINGLE-CONTACT BASES

(Brass Bases With Glass Insulation, Unless Otherwise Noted)

PRODUCT CODE NO.	DESCRIPTION
1103-01	(Standard)
1103-02	Marked "USA"
1103-03	NP Finish
1103-04	Marked "USA", NP Finish
1103-13	Marked "USA", Drilled Hole
1103-15	Marked "USA", 1/32 Inch Longer Shell
1103-24	Marked "USA", In-line Slot
1103-25	Marked "USA", 45° Slot
1103-28	45° Slot, NP Finish
1103-30	45° Slot
1103-39	Marked "USA", 45° Slot, NP Finish
1105-02	Marked "USA", Offset Pins
1105-03	Marked "USA", NP Finish, Offset Pins
1105-05	Drilled Hole, Offset Pins
1105-06	Marked "USA", Drilled Holes, Offset Pins
1105-09	Marked "USA", Slotted, Offset Pins
1105-10	Marked "USA", Slotted, NP Finish, Offset Pins



CANDELABRA PREFOCUS DOUBLE-CONTACT BASES (Brass Bases, Pinless)	
PRODUCT CODE NO.	DESCRIPTION
1003-01	Marked "USA", Glass Insulation, (Used With Collar 3508)
1003-03	Marked "USA", NP Finish, Glass Insulation, (Used With Collar 3508)
1003-06	NP Finish, Glass Insulation, (Used With Collar 3508)
1003-07	Marked "USA", NP Finish, Ceramic Insulation, (Used With Collar 3508)

CANDELABRA PREFOCUS SINGLE-CONTACT BASES (Brass Bases With Glass Insulation And Pinless)	
PRODUCT CODE NO.	DESCRIPTION
1104-06	Marked "USA", NP Finish, (Used With Collar 3508)
1104-09	Slotted, Marked "USA", NP Finish, (Used With Collar 3508)

Intermediate and Midget Screw Bases

Decorative outdoor applications, as well as indicator, sign and application lamps, are major markets for these bases.

INTERMEDIATE SCREW BASES (Aluminum Base, Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
1302-06	Marked "USA", Beaded Rim, Vented
1302-13	Marked "Canada", Beaded Rim, Vented
1302-14	Brass, Marked "USA", Vented

MIDGET GROOVED BASES (Brass Bases, Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
1503-03	Marked "USA"
1503-07	Marked "USA", Slotted, NP Finish
1503-08	Marked "USA", Slotted
1503-09	Slotted, NP Finish
1503-11	Marked "USA", No Flare At Open End

MIDGET SCREW BASES (Brass Bases, Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
1813-02	Marked "USA", Silver Plated



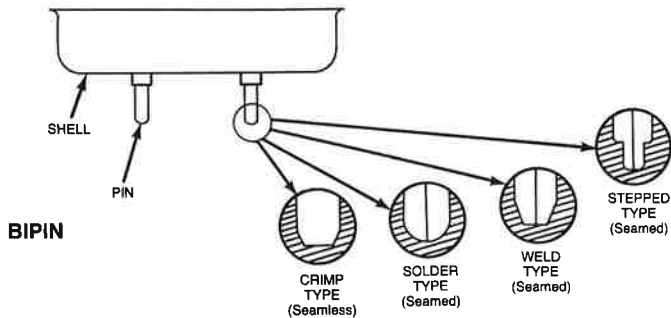


Fluorescent Lamp Bases

These bases are available in a number of sizes and pin configurations for bipin, high output, slimline and circline fluorescent lamps. With few exceptions, bases consist of an aluminum shell, plastic or fiber insulation, and brass pin or pins.

Fluorescent bases also come in shell shapes, materials, and diameters not covered here. Seamed or seamless pins in various materials and diameters are available options.

Others include custom vents and slots, shorting strips, plastic, fiberboard and other insulation; anodized and other surface finishes.



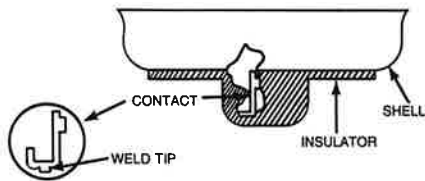
MINIATURE BASES, BIPIN (Aluminum Bases With Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
2205-01	Solder Type Pins (F5)
2205-05	Weld Type Pins (F5)

MOGUL BASES, BIPIN (Aluminum Bases With Fiber Insulation)	
PRODUCT CODE NO.	DESCRIPTION
2217-05	Weld Type Pins (F17)
2217-06	Weld Type Pins, Shorting Strip (F17)

MEDIUM BASES, BIPIN (Aluminum Bases With Fiber Insulation, Unless Otherwise Noted)	
PRODUCT CODE NO.	DESCRIPTION
2208-01	Solder Type Pins, Plastic Insulation (F8)
2208-05	Weld Type Pins, Plastic Insulation (F8)
2212-01	Solder Type Pins (F12)
2212-02	Solder Type Pins, Shorting Strip (F12)
2212-05	Weld Type Pins (F12)
2212-06	Weld Type Pins, Shorting Strip (F12)
2212-08	Seamless Weld Type Pins (F12)
2212-28	Solder Type Pins, Small Radius Shell (F12)
2212-30	Weld Type Step Pin, Small Radius Shell (F12)
2212-31	Seamless Crimp Pin, Angle Shell (F12)
2212-32	Weld Type Pins, Gold Anodized Shell (F12)
2212-33	Weld Type Pins, Angle Shell (F12)
2212-34	Stepped Pins, Angle Shell (F12)
2212-35	Stepped Pins, Angle Shell, Shorting Strip (F12)
2212-36	Stepped Pins, Angle Shell, One Vent (F12)
2212-37	Stepped Pins, Angle Shell, Gold Anodized (F12)

MINIATURE BASES, PINLESS (Brass Base, Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
2005-02	(F5)

SMALL BASES, SINGLE-PIN (Aluminum Base, Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
2106-05	Weld Type Pin (F6)



PINLESS

MEDIUM BASES, SINGLE-PIN (Aluminum Bases With Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
2108-01	Solder Type Pin (F8)
2108-03	Cloverleaf-shaped Solder Type Pin (F8)
2108-05	Weld Type Pin (F8)
2112-01	Solder Type Pin (F12)
2112-05	Weld Type Pin (F12)

RECESSED DOUBLE-CONTACT BASES (Aluminum Bases With Plastic Insulation)	
PRODUCT CODE NO.	DESCRIPTION
2510-10	Silver-plated Brass Contacts (F10)
2512-10	Silver-plated Brass Contacts (F12)
2512-11	Silver-plated Brass Contacts, Gold Anodized Shell (F12)
2517-10	Silver-plated Brass Contacts (F17)

CIRCLINE BASES
(Thermoplastic 4-Pin Bases)

PRODUCT CODE NO.	DESCRIPTION
2410-12	Pin Half With Snap Latch, For Use With Basing Disc
2410-13	Leg Half With Snap Latch, For Use With Basing Disc
2410-16	Leg Half With Snap Latch, Type I, For Glass Seal Applications
2410-19	Leg Half With Snap Latch, Type II, For Glass Seal Applications
2410-22	Leg Half With Snap Latch, Type III, For Glass Seal Applications
2410-23	Pin Half With Snap Latch, Type I, For Glass Seal Applications
2410-24	Pin Half With Snap Latch, Type II, for Glass Seal Applications
2410-25	Pin Half With Snap Latch, Type III, For Glass Seal Applications



Pin, Prong, and Post Bases

These bases, commonly used in stage and studio lighting as well as in photographic lamp applications, feature pins, prongs and posts that are predominantly nickel-plated brass or nickel-plated seamless steel. The body is ceramic encased in an aluminum shell.

PIN, PRONG, AND POST BASES (Aluminum Bases, Ceramic Insulation, Unless Otherwise Noted)	
PRODUCT CODE NO.	DESCRIPTION
1602-08	Four-pin, Gold Anodized, Shell Only—(No Insulation), Marked "USA"
1602-09	Four-pin, Gold Anodized, Shell Only—(No Insulation)
1613-01	All Ceramic, Two-pin, CFJ-1, Nickel-plated Brass Pins
1613-02	All Ceramic, Two-pin, CFJ-2, Nickel-plated Brass Pins
1613-03	All Ceramic, Two-pin, Nickel-plated Brass Pins
1614-02	All Ceramic, Two-pin, DVY-1 Miniature, Nickel-plated Brass Pins
1615-01	All Ceramic, Two-pin, FBD Miniature, Nickel-plated Brass Pins
1616-03	Two-pin, FEL, Silver-plated Nickel Pins
1617-01	Three-pin, Prefocus, Gold Anodized Shell, Nickel-plated Brass Pins, Tapered Insulator, Marked "USA"
1617-04	Three-pin, Prefocus, Gold Anodized Shell, Nickel-plated Brass Pins, Straight Insulator, Marked "USA"
1619-02	Stainless Steel (Painted Black), Bi-Post, 5KW Planar Mogul, NP Steel Pins
1620-01	All Ceramic, Two-pin, NP Brass Pins
1621-02	All Ceramic, Bi-post, 1KW Planar Medium, NP Steel Pins
1622-01	Stainless Steel (Painted Black), Bi-Post, 10KW Planar Mogul, NP Steel Pins
1623-02	All Ceramic, Bi-post, Mogul, NP Steel Pins
1928-01	Brass, NP Finish, Textolite® Insulation, Four-pin Germicidal, D28
1949-01	All Plastic, Three-pin, Flashtube, D49





Miscellaneous Bases

Along with these specialized base designs, General Electric offers a number of associated parts that are used in conjunction with, or in place of, lamp bases. They are available in standard sizes or can be designed to your unique application. These include collars, inner shells, ferrules and lugs.

MISCELLANEOUS BASES AND/OR PARTS	
PRODUCT CODE NO.	DESCRIPTION
0960-01	Nickel, Slotted, For Wing Tip Quartz Lamp
0960-02	Nickel, Not Slotted, For Wing Tip Quartz Lamp
0961-01	Nickel, For Single End Quartz Lamp (0.162" Wide)
0961-02	Nickel, For Single End Quartz Lamp (0.192" Wide)
1512-01	Nickel, Ceramic Insulation, Pinless T3
1825-01	Brass, Glass Insulation, Railway Signal
1885-01	Chrome-Iron, Lumiline Base Disc w/Center Hole, Oxide Finish
1885-02	Chrome-Iron, Lumiline Base Disc, No Center Hole, Oxide Finish
1885-03	Chrome-Iron, Lumiline Base Disc w/Center Hole
1885-04	Chrome-Iron, Lumiline Base Disc, No Center Hole
3161-01	Nickel, Pinless T3 (For Quartz Lamps)
3161-03	Nickel, Pinless T3 (For Quartz Lamps)
3508-01	Focusing Collar, Brass
3508-02	Focusing Collar, Brass, NP Finish
7514-01	Ceramic and Brass, Medium Prefocus (Subassembly)
7514-02	Ceramic and Brass, Medium Prefocus (Subassembly)
7514-03	Ceramic and Brass, Medium Prefocus (Subassembly)
7514-04	Ceramic and Brass, Mogul Prefocus (Subassembly)
7514-05	Ceramic and Brass, Mogul Prefocus (Subassembly)

Compatibility to International Base Coding System

Because of the growing importance of international applications, General Electric Company offers a full complement of lamp bases that meet International Electrotechnical Commission dimensional standards.

The IEC product code is quite different than that used by General Electric Company, but it is both descriptive and functional. Here is a brief explanation of the IEC code, along with some examples of its use and a table showing the IEC code numbers applicable to GE lamp bases.

1. The capital letter(s) indicate the type of base:

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:

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:	The 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:	Denotes 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. The number following the oblique strokes indicating the approximate overall height of the base in millimeters, 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 \times is added in the case of bases having a skirt or a spun-in shell. The number indicates in millimeters the outside diameter of the skirt or the inside diameter of the open end, respectively.

7. Certain bases may belong to one group, yet shown in addition properties of one or more different 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, 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)
E39d/41	Screw thread at 39mm diameter, double contact, 41mm high

Fa8/10 × 23.5

Single pin at 8mm diameter, 10mm shell height, 23.5mm shell diameter

G5.3/18.5 × 8.6 × 15.5

Two pin base at 5.3mm spacing, with 18.5mm × 8.6mm × 15.5mm body

P40s/41

Prefocus at 40mm diameter, single contact, 41mm high

R17d/10 × 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

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	G38/154 × 70	1, 4	1622-01
BA15d/19	3, 6	1011-ALL	E39/76 × 57	3, 6	0402-03	P13.5s/14	1, 4	0652-ALL
BA15d/19	1, 4, 7b	1002-03 thru -06, -22, -27, -28	E39/101 × 57	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	Fa8/10 × 25	1, 4	2108-ALL	P40s/41	1, 4	1852-ALL
BAY15s/19	3, 5	1105-ALL	Fa8/10 × 35	1, 4	2112-ALL	R17d/10 × 35	1, 4	2512-ALL
BAY15d/19	1, 4, 7d	1004-ALL	Fa8/12 × 18	1, 4	2106-05	R17d/13 × 30	1, 4	2510-10
E5/8	2, 4	1813-02	G5/10 × 13	1, 4	2205-ALL	R17d/17 × 50	1, 4	2517-10
E10/12	2, 4	0601-ALL	G5.3/18.5 × 8.6 × 15.5	2, 5	1614-02	SX4s/4	3, 4	0967-02
E11/21 × 14.5	3, 4	1509-01	G5.3/18.5 × 8.6 × 15.5	2, 5	1620-01	S5.7s/8	1, 6	1503-ALL
E12/15	3, 4	0501-ALL	G5.3/18.5 × 8.6 × 22	2, 5	1615-01	SX6s/8	1, 6	0957-ALL
E17/20	1, 4	1302-ALL	G9.5/23.75 × 9.5 × 24	2, 5	1616-03	S11/10	3, 6	3161-03
E26/24	1, 4	0102-ALL	GY9.5/24 × 14 × 16	1, 4	1613-02	S11/10.6	3, 6	3161-01
E26/24	3, 4	1809-03	GZ9.5/21 × 14 × 16	1, 4	1613-01	S11/13	3, 6	1512-01
E26/50 × 39	3, 4	0108-04	GZ9.5/21 × 14 × 22	1, 4	1613-03	S22s/22 × 19	3, 6	1825-01
E26/52 × 38	3, 6	0125-05	G10q	1, 4	2401-ALL	S25s/25.3	3, 6	0150-02
E26/52 × 39	3, 6	0125-02, -03	G13/9 × 25	2, 4	2208-ALL	T7.2-1	3, 4	0905-10
E26d/24	1, 4	0122-06, -07	G13/9 × 35	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/34 × 23 × 17	3, 6	1928-01	N/A	3, 6	0960-ALL
E27/51 × 39	1, 6	0108-12	G17t-7	3, 5	1617-01, -04	N/A	3, 6	0961-ALL
E27/54 × 39	3, 6	0125-04	G20/16.2 × 50	2, 4	2217-ALL	N/A	3, 6	1885-ALL
E30/28	3, 6	1907-01	G22/45 × 24	1, 4	1621-02	N/A	9	1602-ALL
E30/54 × 38	3, 6	1908-01	G38/62 × 19 × 58	1, 4	1623-02	N/A	3, 6	7514-04
			G38/119 × 44.5	1, 4	1619-02			

NOTE:

1. Compatible to IEC Standards.
2. Similar to, but not fully compatible to IEC Standards.
3. Not standardized by IEC.
4. Compatible to ANSI Standards.
5. Similar to, but not fully compatible to ANSI Standards.
6. Not standardized by ANSI.

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

Manufacturing: High Volumes, Exacting Standards

The economies of scale are in full swing at General Electric's lamp base plants. We produce bases at rates of thousands per hour.

High speeds make it imperative that each design is as flawless as possible, both as a manufacturing workpiece and as a functioning lamp base. That's why everything about the process and the part is carefully scrutinized, from the quality of the raw materials, the temperature at which they are processed, to the calibrations on the machines which form, thread and assemble them.

Specification Criteria

General Electric Company has developed a number of specifications to assist users in designing lamp bases. For instance, there are specific strength level requirements which must be met, primarily to withstand the stresses of lampmaking. The key properties are longitudinal, rim and pin strength. Each type and size of base has its own specification.

Current carrying parts such as eyelets, rings, pins, and shells, must be carefully insulated from one another, and their surfaces kept free of contamination that could impede lead wire attachment. To assure good electrical and mechanical characteristics on screw bases, close tolerances must be held on thread engagement and insertion depth.

When plastic is used as an insulation material, rigid specifications assure that the molded surface is of low porosity, and that metal parts contain no plastic contamination that could interfere with solderability or weldability.

Quality Control

Keeping close track on quality in the high production atmosphere of our base plants takes more than a little dedication. Our QC program is designed to stop defects in their tracks instead of catching them at final inspection.

(Continued)



General Electric employs the latest die progression technology on presses like this 60-ton Bruderer to deep draw lamp base shells at rates of several hundred per minute.



Every step in the preparation of glass for insulator sealing is controlled from this batch mixing panel, from receipt of the cullet and other constituents to delivery of the molten glass.



Of all our sophisticated quality control methods, one that still ranks high in reliability is the experienced eye of our inspectors. More than 5,000 parts per minute come through the inspection station shown here.

Manufacturing CONTINUED

Minor changes in tool configurations, machine speeds, or tolerances of parts is flagged by our Statistical Process Control system long before defects begin cropping up. Machine operators bear as much responsibility for our quality as the personnel at the inspection stations.

Fully equipped laboratories at each of our base plants support the on-floor quality program with regular instrument calibrations, metallurgical studies, and testing programs.

In the computer room, SPC data from various operators is tracked to determine if there are any variations in concentricity or dimensions. The computer is also used to generate real time production information for management decision making.



Engineering Assistance

If your needs go beyond the products and options described in this catalog, the door is still wide open at General Electric.

Our lamp base line is continually expanding, so there is a good chance that your needs have been anticipated by our design staff. If not, we welcome the opportunity to work with you in the design of a new base. Our laboratory facilities and equipment for making and testing prototypes is available for just this purpose.

How To Order

For more detailed information on individual bases, including engineering drawings and specifications, contact the General Electric Company, Components Marketing and Sales Operation. Indicate the GE product code number of the lamp base when requesting this information.

Engineering data sheets which provide detailed design information on the lamp bases covered in this general catalog are available upon request.

To obtain these data sheets, technical and application engineering assistance, and ordering information, contact your sales representative or:

Domestic

General Electric Company
Components Marketing &
Sales Operation
24400 Highland Road
Richmond Heights, Ohio 44143
Phone: (216) 266-3468

International

General Electric Company
Components Marketing &
Sales Operational
International Sales
24400 Highland Road
Richmond Heights, Ohio 44143
Telex: 985569 (GECOLCS EUCD)
Phone: (216) 266-3295

General Electric's Lamp Components Marketing & Sales Operation is the source for tungsten, molybdenum, glass, Lucalox® ceramic, phosphors, chemicals, Dumet and Cumet wire, EDM wire, leads, bases and other component used by the lamp, electronic, cemented carbide, and other industries. Technical and engineering assistance is available on all products. For information contact:

General Electric Company
Components Marketing & Sales Operation
24400 Highland Road
Richmond Heights, Ohio 44143
Phone: (216) 266-2451
Telex: 985569

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