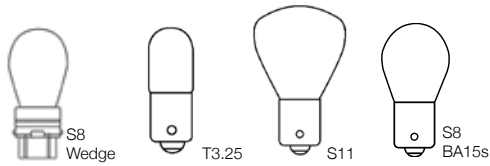


SPECIALTY LAMPS

Miniatures



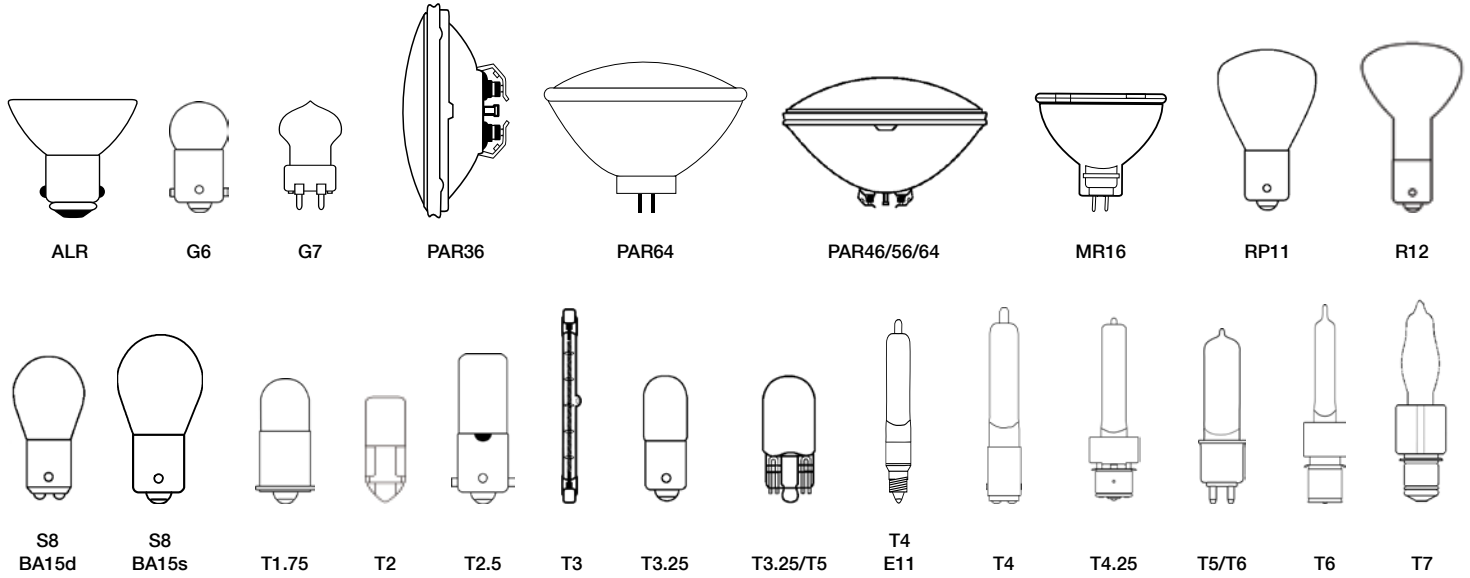
Product Code	Bulb	Base	Primary Application	Volts	Amps or Watts	Pkg. Qty.	MSCP	Avg. Life	Design Filament	MOL
Miniatures continued										
1829	T3.25	BA9s	Indicator	28	0.07	10/2000	1	1000	C-2F	1.20"
1835	T3.25	BA9s	Indicator	55	0.05	10/2000	1.1	5000	C-2F	1.20"
*1864	T3.25	BA9s	Aircraft	28	0.17	10/2000	3	1500	C-2F	1.20"
*1866	T3.25	BA9s	Radio	6.3	0.25	10/2000	0.65	5000	C-2R	1.20"
*2232	S8	BA15s	Aircraft	28	0.64	10/1000	18	2000	CC-8	2.00"
*2233	S8	BA15s	Aircraft	28	0.77	10/1000	21	2000	CC-8	2.00"
*3011	S11	BA15s	Aircraft	28	1.29	10/500	44	1000	C-2V	2.38"
3156	S8	Plastic Wedge	Auto, Stop	12.8	2.10	10/2000	32	1200	C-6	2.10"
3155K	S8	Plastic Wedge	Auto, Signal	12.8	1.60	10/2000	21	5000	C-6	2.10"
3156K	S8	Plastic Wedge	Auto, Stop	12.8	2.10	10/2000	32	5000	C-6	2.10"
*18S11/1SC	S11	BA15s	Railway Signal	10	18W	10/500	360lm	2000	CC-6	2.37"
*25S11/4SC	S11	BA15s	Railway Signal	10	25W	10/500	200lm	1000	CC-6	2.37"

* Item will be discontinued when inventory is depleted.
Specialty lamp symbols, footnotes and abbreviations are located on pages 167-168.

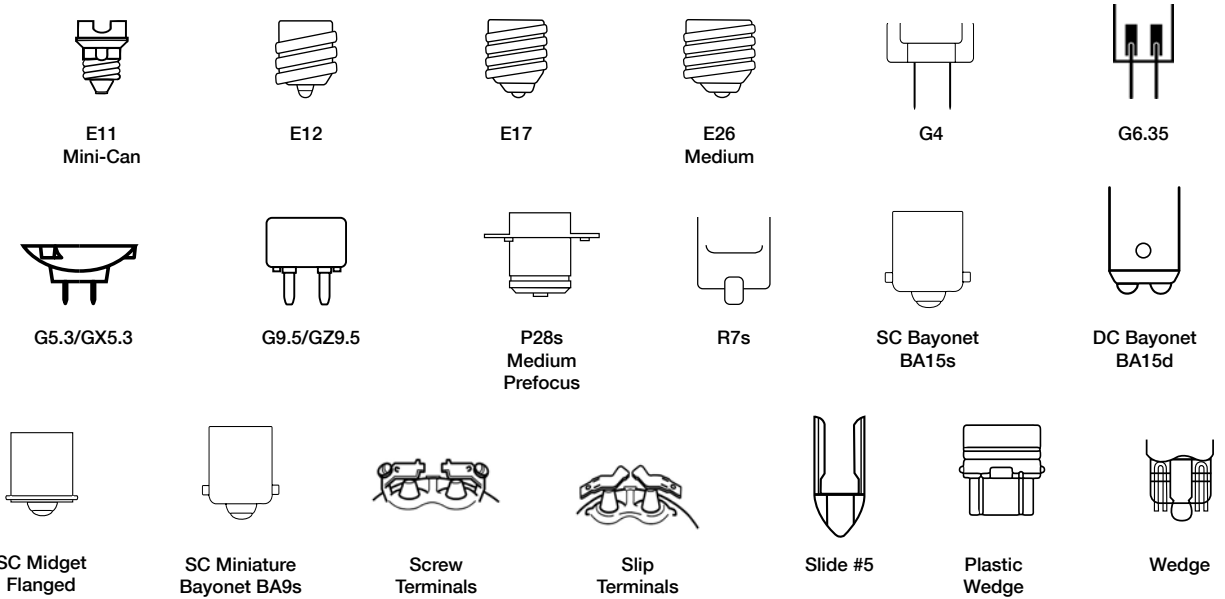
SPECIALTY LAMPS

Bulb, Base and Filament Identification Guide

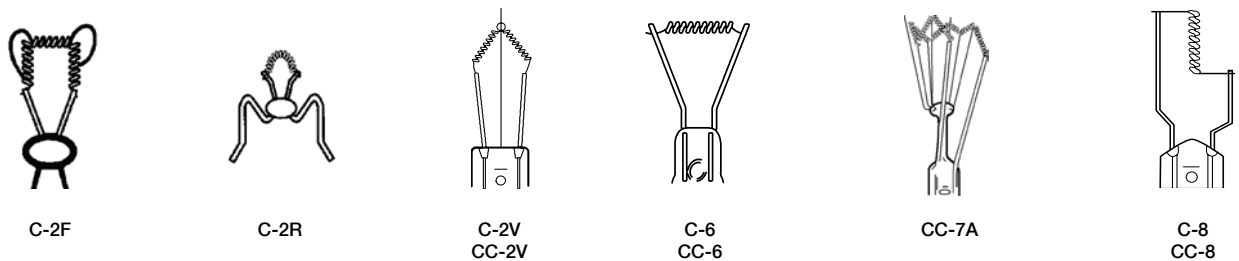
Bulb Shapes



Base Types



Filament Designations




CC indicates coiled-coil filament.

SPECIALTY LAMPS

Symbols, Footnotes and Abbreviations

SYMBOLS

Ⓔ	This lamp meets Federal Minimum Efficiency standards.
	ProLume® Eco-Shield® Low-Mercury Fluorescent lamps pass the Federal TCLP for hazardous wastes.
X	Product will be discontinued when inventory is depleted.

FOOTNOTES

1	Indoor use only. Outdoor use requires weather-protected fixture. All self-ballasted lamps meet part 18 of the FCC rules. These products may cause interference with AM radios, cordless telephones and remote control devices. If interference continues, move the lamp away from the device or plug into a different outlet.
2	ProLume® lamps with an integrated electronic ballast designed for 120-volt operation. Lamps operated at a higher voltage or in recessed or enclosed fixtures will have reduced life. Do not use with dimmers. Before using with photocell or electronic timing devices, check device for compatibility with compact fluorescent lamps. Use with incompatible devices will result in premature lamp failure. These products are UL listed.
3	UL approved for totally enclosed fixtures with a maximum ballast case temperature of 90°C for GU24 base lamps, 75°C for medium base lamps.
4	Average life under specified test conditions with lamps turned off and restarted every three hours. Lamp life is longer if lamps are started less frequently.
5	Lamp designed for use with Programmed Start ballast. Lamp operates at 170mA. Minimum starting temperature is -15°F, with peak operating temperature at 95°F.
6	Lamps classified as E-type are used ONLY in suitably enclosed luminaires. See lamp warning.
7	Lamps classified as O-type comply with ANSI standard C78.387 for containment testing and may be used in open luminaires. See lamp warning.
8	20,000 average rated life based on 10hrs/start. 30,000 average rated life based on 120 hrs/start.
9	Color characteristics may vary somewhat from one lamp to another. Time should be allowed for lamp to stabilize in color when it is turned on for the first time or if for any reason its operating position is changed. This may require several hours of operation, with more than one start. Lamp color and output may change temporarily if the lamp is subjected to excess vibration or shock. Lamp color characteristics may change after long accumulated operating time.
10	Use with 4000 Volt pulse-rated sockets only.
11	Performance may not be satisfactory unless operated within specified operating positions.
12	Requires ballast that is designed to operate all popular brands of metal halide lamps. 1000W types will operate from H36 conventional lag type ballast for Mercury Vapor lamps at ambient temperatures of 50°F or higher. 1000W types must not be operated at 1500W or higher.
13	Rated average life: vertical $\pm 15^\circ$. Other positions 75% of rated life.
14	In general, horizontal lumens will be 5-10% lower than the vertical lumen values.
15	Do not operate in aviaries or around fowl or small animals.

SPECIALTY LAMPS

Symbols, Footnotes and Abbreviations

FOOTNOTES

16	Operate base down to horizontal.
17	Operate base up.
18	Do not allow hot bulb to come in contact with liquid or metal parts of the fixture, as glass may shatter. Do not use outdoors or operate near flammable materials. Operate in heat-resistant sockets.
19	Do not use in equipment where base temperature will exceed 500°F.
20	CAUTION: Do not operate near flammable material. Operate only in heat-resistant sockets. WARNING: Use with care. May cause serious burns. The unattended use of infrared heat by children or incapacitated persons is dangerous. Do not place closer than 18" to surface area. Do not use for therapeutic applications unless recommended by a physician. For food warming, use only lamps with heat-resistant glass and/or heat-resistant coating.
22	Operate only in porcelain sockets.

ABBREVIATIONS

/735	Suffix used to indicate lamps with CRI of 70+ and color temperature of 3500K.
/741	Suffix used to indicate lamps with CRI of 70+ and color temperature of 4100K.
/750	Suffix used to indicate lamps with CRI of 70+ and color temperature of 5000K.
/835	Suffix used to indicate lamps with CRI of 80+ and color temperature of 3500K.
/841	Suffix used to indicate lamps with CRI of 80+ and color temperature of 4100K.
/850	Suffix used to indicate lamps with CRI of 80+ and color temperature of 5000K.
/BA15s	Suffix used to indicate lamps with a BA15s (Single Contact) base.
BU	Code abbreviation for Base Up Operating lamps.
CL	Code abbreviation for a Clear lamp.
/CS	Suffix used to indicate CoverShield® safety coated lamps.
/CSTF	Suffix used to indicate CoverShield® PFA safety coated lamps.
CW	Code abbreviation for Cool White lamps.
DX	Code abbreviation for Daylight lamps.
/ECO	Suffix used to indicate Eco-Shield® TCLP compliant lamps.
/ES	Suffix used to indicate Energy Saving Fluorescent lamps.
/FL	Suffix used to indicate Flood lamps.
/HO	Suffix used to indicate High Output lamps.
/IC	Suffix used to indicate ProLume® Industrial/Commercial service lamps.
/P5	Suffix used to indicate Prism® Long Life Plus® 5,000 Hour staggered support C-9M filament lamps.
RED	Code abbreviation for a Red Heat lamp.
U	Code abbreviation for Universal Metal Halide lamps.