

Incandescent Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Pkg. Volts	Qty.†	Description	Class Filament	LCL (In.)	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP®	Lumens	Life Years (446)	Energy Cost (445)	Color Temp. (K)
Incandescent Lamps by Wattage (Continued)															FTC REQUIREMENTS v		
25	A15	Med.	41533-1	s	BC25A15/IF 12/1	120	12	Frost Appliance	B, C-9		3½	1000		210	0.9	\$3.01	2700
	R14	Inter.	41537-2	n	BC25R14N	120	6	Mini Refl. Lt. Fr.	C, CC-2V		3½	1500		150	1.4	\$3.01	2800
	S11	Inter.	41670-1		BC25S11N	120	12	Clear Appliance	B, C-7A		2	500		220	0.5	\$3.01	2700
	T6½	Inter.	41628-9		BC25T6½	120-130	6	Clear Appliance	B, C-8		6	1000		220	0.9	\$3.01	2700
	T7	Inter.	41627-1		BC25T7N	120	6	Clear Appliance	B, C-7A		2¼	1000		200	0.9	\$3.01	2700
	T10	Med.	41585-1	s	BC25T10/TP 6/1	120	6	Clear Showcase	B, C-8		5⅞	1000		250	0.9	\$3.01	2700
			13813-1	s	25T10 24/1	120-130	24	Clear Showcase	B, C-8		5⅞	1000		200	0.9	\$3.01	2700
30	R20	Med.	16753-6	(87)s	30R20/LL 12/1	120	12	Frost Long Life Reflector	C, CC-6		3⅞	2500	335	205	2.3	\$3.61	2700
30 70 100	A21	3 Ct. Med.	36662-5	(8)s	30/100A/W 12/1	120	12	Soft White 3-Way	C, 2CC-8		5⅞	1200		265 820 1090	1.1	\$8.43 \$12.05 \$4.10	2570 2680 2650
40	A15	Med.	29999-0	s	BC40A15/CL/LL	120	12	Clear Long Life Appliance	C, C-9		3½	1750		400	1.6	\$4.82	2700
			41676-8	s	BC40A15/LL	120	60	Clear Long Life Appliance	C, C-9		3½	1750		400	1.6	\$4.82	2700
			16934-2	s	BC40A15/FAN/CL/LL 6/2	120	12	Clear Long Life Fan	C, C-9		3½	2000		395	1.8	\$4.82	2700
			16935-9	s	BC40A15/FAN/W/LL 6/2	120	12	White Long Life Fan	C, C-9		3½	2000		365	1.8	\$4.82	2700
			13565-7	s	BC40A15/FAN/NTL 6/2	120	12	Natural Light Fan	C, C-9		3½	1500		340	1.4	\$4.82	2700
	R14	Inter.	41539-8		BC40R14N 6/1	120	6	Light Fr. Mini. Refl.	C, CC-2V		2⅞	1500		250	1.4	\$4.82	2700
		Med.	41538-0		BC-40R14/SP	120	6	Surge Proof Light Mini. Refl.	C, CC-2V		2⅞	1500		250	1.4	\$4.82	2700
	R16	Med.	41540-6		BC40R16/SP 6/1	120	6	Surge Proof Light Mini. Refl.	C, CC-2V		3⅞	1500		250	1.4	\$4.82	2700
	S11	Inter.	41541-4	s	BC40S11/N TP 16/1	120	16	Clear High Intensity	C, CC-2V		2¼	500		440	0.5	\$4.82	2700
	T6½	Inter.	41629-7		BC40T6-1/2	120	6	Clear Appliance	B, C-8		5½	1000		350	0.9	\$4.82	2700
	T8	Inter.	41625-5		BC40T8N	130	6	Clear Appliance	C, C-7A		2¼	1000		400	0.9	\$4.82	2700
	T10	Med.	41673-5	s	BC40T10/IF/TP 6/1	120	6	Frost Showcase	B, C-8		5⅞	1000		250	0.9	\$4.82	2700
			41586-9	s	BC40T10/TP 6/1	120	6	Clear Showcase	B, C-8		5⅞	1000		435	0.9	\$4.82	2700
			13815-6	s	40T10 24/1	120-130	24	Clear Showcase	B, C-8		5⅞	1000		440	0.9	\$4.82	2700
	BR30	Med.	16751-0	(87)s	45BR30/FL55/LL 12/1	120	12	Long Life Reflector Flood	C, CC-6		5⅞	2500		330	2.3	\$5.42	2600
	R20	Med.	20323-2	(87)s	45R20/LL 12/1	120	12	Long Life Reflector Flood	C, CC-6		3⅞	2500		385	2.3	\$5.42	2700
			20322-4	(87)s	45R20 12/1	130	12	Reflector Flood	C, CC-6		3⅞	2000		380	1.8	\$5.42	2700
			22314-9	(87)s	45R20/LL 120V 4/3 TP	120	4	Long Life Reflector Flood	C, CC-6		3⅞	2000		385	2.3	\$5.42	2700
			22311-5	(87)s	45R20 120V 12/1	120	12	Reflector Flood	C, CC-6		3⅞	2000		380	1.8	\$5.42	2700
50	A19	Med.	43256-1		50A 24V	24	6	Marine	C, C-6		4¼	1000		825	0.9	\$6.02	2700
			41526-5		50A/RV	12	6	Marine	C, C-6		4¼	1000		875	0.9	\$6.02	2700
	ER30	Med.	14355-2	(87)s	50ER30	120-130	24	Elliptical Reflector	C, CC-6		6⅞	2000		430	1.8	\$6.02	2710

For the most current product information, go to the e-catalog on www.philips.com.
Incandescent symbols and footnotes located on page 126.

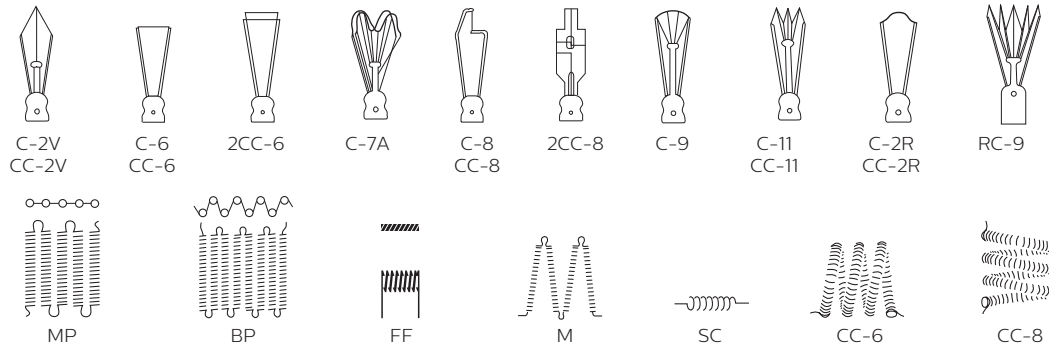


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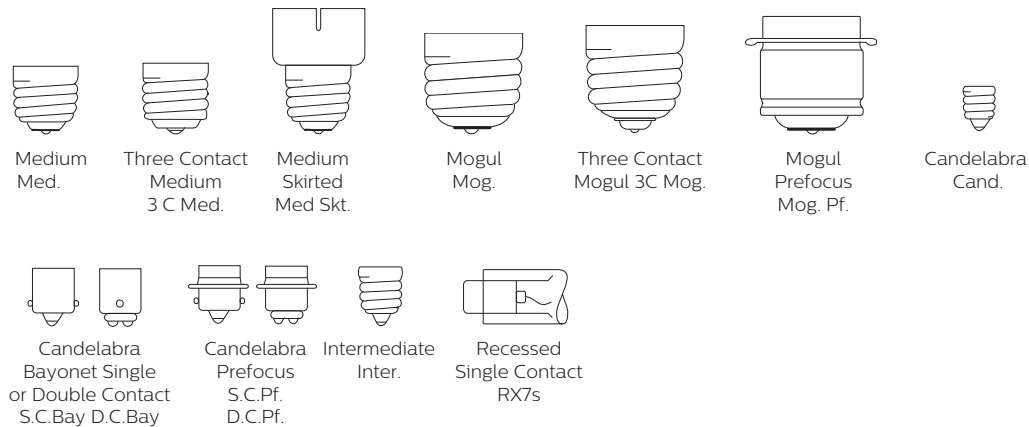
Filament Designations, Base Types and Bulb Shapes

Filament Designations (Not Actual Sizes)

Filament designations consist of a letter or letters to indicate how the wire is coiled and an arbitrary number sometimes followed by a letter to indicate the arrangement of the filament on the supports. Prefix letters include C (coil)—wire is wound into a helical coil or it may be deeply fluted; CC (coiled coil)—wire is wound into a helical coil and this coiled wire again wound into a helical coil. Some of the more commonly used types of filament arrangements are illustrated.

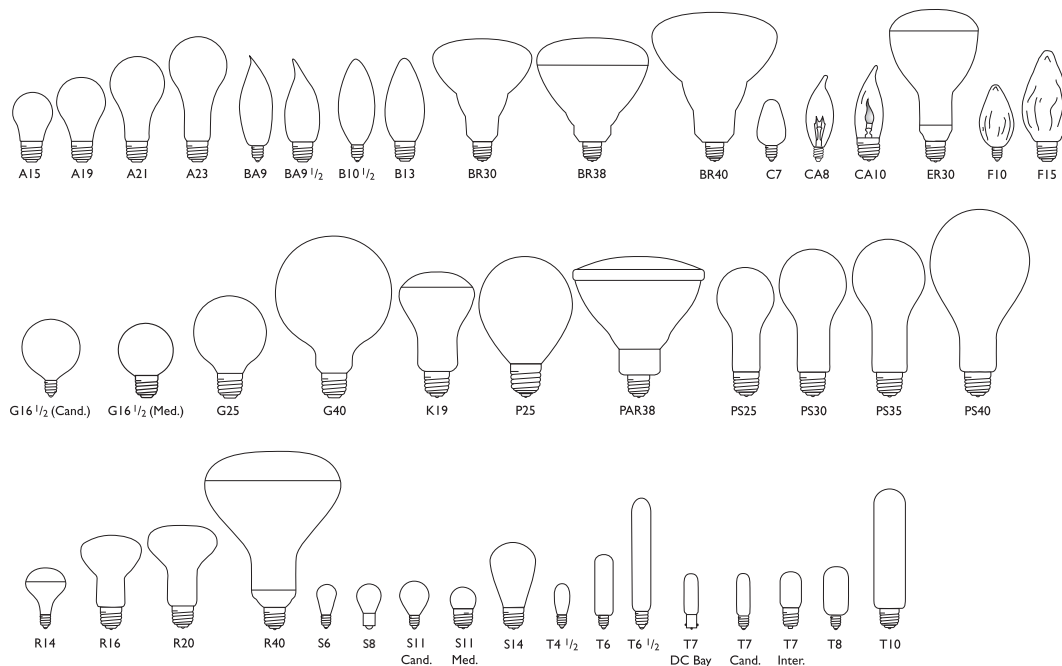


Base Types (Not Actual Sizes)



Bulb Shapes (Not Actual Sizes)

The size and shape of a bulb is designated by a letter or letters followed by a number. The letter indicates the shape of the bulb while the number indicates the diameter of the bulb in eighths of an inch. For example, "T10" indicates a tubular shaped bulb having a diameter of $\frac{10}{8}$ or $\frac{1}{4}$ inches. The following illustrations show some of the more popular bulb shapes and sizes.



Incandescent Lamps

Symbols and Footnotes

For the most current product information, go to the e-catalog on www.philips.com

□ Exclusive to Philips Lighting North America Corporation

■ Nickel plated brass base

▲ Aluminum base

★ Heat resisting glass bulb

□ Maximum Beam Candlepower

© This Bulb Meets US Federal Minimum Efficiency Standard

† New since last printing

* Two Lamp Carded Pack

‡ Quantity shown is minimum shipping container—refer to Net Price Schedule for number of lamps to qualify as a standard case.

✓ Consider the compact fluorescent lamps listed on pages 52–69 or the energy saving halogen listed on pages 102–105 for energy savings

G = General Lighting

S = Street Lighting

▼ PAR38 (one piece)

¥ For more information about FTC requirements please see rule 16 CFR part 305 @ www.ftc/os/2000/02/16cfr305.

+ Pursuant to California law, these incandescent lamps cannot be used or offered for sale for use in traffic signals in the State of California.

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(4) Average laboratory life is 200 hours for vacuum cleaner and 600 hours for sewing machine service. Design life 1000 hours.

(8) Operate base down.

(12) Operate base down to horizontal.

(14) Operate base up.

(18) Base is medium left hand thread.

(19) May not give satisfactory performance if any accessory equipment is attached to or touches the glass bulb.

(27) Average laboratory life in excess of 5000 hours. In-service life depends upon service conditions.

(29) Suitable for indoor and outdoor service.

(31) Operate only in porcelain sockets.

(37) Should not be used in equipment where the base temperature will exceed 500°F.

(43) Unless otherwise noted, may be operated in any position, but lumen maintenance is best when operated vertically base up.

(46) Stippled, rounded cover.

(51) Light output is maintained best when operated within 45° of vertically base up.

(53) The bulb, though made of heat-resistant glass, may break if moisture falls on it. Not recommended for use in enclosed, close-fitting housings.

(63) Design volts 145.

(64) For use only in equipment specially designed to maintain bulb and base temperature within safe limits.

(66) Silicone Coating reduces lumen output from Standard Values less than 3%.

(82) **CAUTION:** To avoid deterioration of lampholder by heat, use only heat resistant lampholders or fixtures listed by a nationally recognized electrical testing organization for use with reflector or PAR lamps.

(87) 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. Do not operate in close proximity to flammable materials or those adversely affected by heat or drying. Operate only in heat resistant sockets.

(89) **CAUTION:** Do not operate in close proximity to flammable materials or those adversely affected by heat or drying. Operate only in heat resistant sockets.

WARNING: Use carefully. May cause serious burns. Do not use over insensitive skin areas or in the presence of poor circulation. The unattended use of infrared heat by children or incapacitated persons may be dangerous.

—Lamp should not be placed closer than 18" to the surface being irradiated.

—Do not use for therapeutic or topical applications unless recommended by a physician.

—For food warming, use only lamps with heat resisting glass.

(93) Rated average life is the length of operation (in hours) at which point an average of 50% of the lamps will still be operational and 50% will not.

WARNING: For indoor use only.

(445) Estimated energy cost is based on 3 hrs/day, 7 days/wk., 11¢/kWh. Cost depends on rates and use.

(446) Life in years is based on 3 hrs/day, 7 days/wk.