Incandescent Lamps

DuraMax Long Life

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. 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)
DuraMax Long Life Soft White														**FTC REQUIREMENTS** ¥			
15	A15	Med.	16860-9	s	15A/WL 12/2	120	24	Soft White Long Life	B, C-9		3½	3000		115	2.7	$1.81	2700
25	A19	Med.	16868-2	s	25A/WL 12/2	120	24	Soft White Long Life	C, CC-6		4 7/16	3000		235	2.7	$3.01	2700
30	A21	3 Ct. Med.	16947-4	(8)s	30/100A/WL 12/1	120	12	Soft White Long Life 3-Way	C, 2CC-8		5 5/16	1750		270	1.6	$3.61	2600
70														840		$8.43	2710
100														1110		$12.05	2680
50	A21	3 Ct. Med.	16948-2	(8)s	50/150A/WL 12/1	120	12	Soft White Long Life 3-Way	C, 2CC-8		5 5/16	1750		465	1.6	$6.02	2720
100														1165		$12.05	2810
150														1665		$18.07	2780
50	A21	3 Ct. Med.	16949-0	(8)s	50/250A/WL 12/1	120	12	Soft White Long Life	C, 2CC-8		5 5/16	1750		465	1.6	$6.02	2770
200														2235		$24.09	2860
250														2715		$30.11	2820
200	A21	Med.	16867-4	s	200A/WL 6/1	120	6	Soft White Long Life	C, CC-8		5 5/16	1500		3100	1.4	$24.09	2700
DuraMax Long Life Globes																	
25	G25	Med.	16748-6	s	25G25/W/LL 12/1	120	12	White Long Life Globe	C, CC-6		4 7/16	2000		210	1.8	$3.01	2600
			16887-2	s	25G25/CL/LL 12/1	120	12	Clear Long Life Globe	C, CC-6		4 7/16	2000		235	1.8	$3.01	2500
			16902-9	s	25G25/W/LL 4/3	120	12	White Long Life Globe	C, CC-6		4 7/16	2000		210	1.8	$3.01	2600
40	G25	Med.	16903-7	s	40G25/CL/LL 4/3	120	12	Clear Long Life Globe	C, CC-6		4 7/16	2000		460	1.8	$4.82	2620
			16904-5	s	40G25/W/LL 4/3	120	12	White Long Life Globe	C, CC-6		4 7/16	2000		415	1.8	$4.82	2600
			16746-0	s	40G25/W/LL 12/1	120	12	White Long Life Globe	C, CC-6		4 7/16	2000		415	1.8	$4.82	2600
			16747-8	s	40G25/CL/LL 12/1	120	12	Clear Long Life Globe	C, CC-6		4 7/16	2000		460	1.8	$4.82	2620
60	G40	Med.	16851-8	s	60G40/W/LL 6/1	120	6	White Long Life Globe	C, C-9		6 15/16	3000		595	2.7	$7.23	2550
			16852-6	s	60G40/CL/LL 6/1	120	6	Clear Long Life Globe	C, C-9		6 15/16	3000		665	2.7	$7.23	2550
100	G40	Med.	16853-4	s	100G40/W/LL 6/1	120	6	White Long Life Globe	C, C-9		6 15/16	3000		985	2.7	$12.05	2700
DuraMax Long Life Reflectors (87)																	
30	R20	Med.	16753-6	s	30R20/LL 12/1	120	12	Frost Long Life Reflector	C, CC-6		3 5/16	2500	350	205	2.3	$3.61	2550
45	R20	Med.	20323-2	s	45R20/LL 12/1	120	12	Long Life Reflector Flood	C, CC-6		3 5/16	2500		385	2.3	$5.42	2700
	BR30	Med.	16751-0	s	45BR30/FL55/LL 12/1	120	12	Long Life Reflector Flood	C, CC-6		5 3/8	2500		330	2.3	$5.42	2600
65	BR30	Med.	16768-4	s	65BR30/FL55/LL 12/1	120	12	Long Life Reflector Flood	C, CC-6		5 3/8	2500	510	610	2.3	$7.83	2690
			16769-2	s	65BR30/SP20/LL 12/1	120	12	Long Life Reflector Spot	C, CC-6		5 3/8	2500	530	620	2.3	$7.83	2710
	BR40	Med.	16741-1	s	65BR/FL60/LL 8/1	120	8	Long Life Reflector Flood	C, CC-6		6½	2500	500	625	2.3	$7.83	2740

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

Incandescent Lamps

Incandescent Lamps by Wattage (Continued)

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. 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)
														FTC REQUIREMENTS ¥			
100	A21	Med.	14971-6	(66)s	100A/RS/TF	120-130	60	Frost Silicone Coated Rough Service	C, RC-9		5 5/16	1000		1347	0.9	$12.05	2740
			27550-3	s	100A/RS	250	60	Frost Rough Service	C, RC-9		5 5/16	1000		1030	0.9	$12.05	2740
			15927-7		100A/RS/VS/BR/TG	120-130	60	TuffGuard Frost Rough & Vibration Svc.	C, RC-9		5 5/16	1000		1230	0.9	$12.05	
					Ratings @ 120V =94W							1700		945	1.6	$11.32	
	BR38	Med.	38532-8	(29, 82)	100PAR/1/B 6/1	120	6	Blue BR38	C, CC-6		5 5/16	2000			1.8	$12.05	
			38530-2	(29, 82)	100PAR/1/G 6/1	120	6	Green BR38	C, CC-6		5 5/16	2000			1.8	$12.05	
			38529-4	(29, 82)	100PAR/1R 6/1	120	6	Red BR38	C, CC-6		5 5/16	2000			1.8	$12.05	
			38766-2	(29, 82)	100PAR/1/Y 6/1	120	6	Yellow BR38	C, CC-6		5 5/16	2000			1.8	$12.05	
	PAR38	Med. Skt.	14550-8	(29, 82)	100PAR38/HEAT/CL	120	12	Clear PAR Infrared	C, C-9		5 5/16	5000			4.6	$12.05	
100	PS25	3 Ct. Mog.	36734-2	(8)s	100/300/W 12/1	120	12	Soft White 3-Way	C, 2CC-6		6 13/16	1200		1320	1.1	$12.05	2700
200														3300		$24.09	2700
300														4620		$36.14	2700
116	A21	Med.+	22483-2	(12)	116A21/TS	120	120	Traffic Signal Clear	C, C-9	2 7/16	4 7/16	8000		1180	7.3	$13.97	
			22485-7	(12)	116A21/TS	130	120	Traffic Signal Clear	C, C-9	2 7/16	4 7/16	8000		1180	7.3	$13.97	
120	BR40	Med.	41530-7	(87)s†	120BR/Agro 6/1	120	6	Agro-Lite Plant Light	C, CC-6		6 1/2	2000			1.8	$14.45	
125	BR40	Med.	15930-1	(27,87,89)s	125BR40/1/TG 4/1	120	4	TuffGuard Coated Clear Reflector Infrared	C, C-9		6 1/2	5000			4.6	$15.06	
			41675-0	(27,87,89)s†	125BR40/1	120	4	Clear Infrared	C, C-9		6 1/2	5000			4.6	$15.06	
150	A21	Med.	27003-3	s4	150A	120	48	Frost	C, C-9		5 5/16	750		2620	0.7	$18.07	2840
			27578-4	s	150A21/RS/BR	120-130	60	Frost Rough & Vibration Service	C, RC-9		5 5/16	1000		2205	0.9	$18.07	2700
								Ratings @120V=141W				1700		1915	1.6	$16.98	2700
			43163-5	†	150/RS/TF 120-130V 8/1 PK	120-130	8	Frost Silicone Coated Tough Bulb	C, RC-9		5 5/16	1000		2205	0.9	$18.07	
			27588-3	s	150A/35/RS/BR	120-130	60	Frost Industrial Rough Service	C, RC-9	3 3/4	5 15/16	3500		1640	3.2	$18.07	
								Ratings @120V=141W				5900		1425	5.4	$16.98	
	BR38	Med.	38568-2		150BR38/5FL	130	12	Flood Anti-Vibration	C, C-11V		5 1/2	5000		965	4.6	$18.07	2550
175	PAR38	Med. Skt.	14551-6	(27,89)	175PAR38/HEAT/CL	120	12	Clear Infrared	C, C-9		5 5/16	5000			4.6	$21.08	
200	A21	Med.	16867-4	s	200A/WL 6/1	120	6	Soft White Long Life	C, CC-2V		5 5/16	1500		3100	1.4	$24.09	2700
	A23	Med.	36291-3	s	200A	130	60	Frost	C, CC-2V		6 5/16	750		3600	0.7	$24.09	2700
					Ratings @120V=176W							2120		2700	1.9	$21.20	2700
	PS30	Med.	14304-0	s	200PS30/23	120-130	60	Frost	C, C-9		8 1/16	1000		2800	0.9	$24.09	2550
					Ratings @120V=177W							2830		2130	2.6	$21.32	2700
			14305-7	(66)s	200PS30/RS/TF	120-130	60	Frost Rough Service Silicone Coated	C, C-9		8 1/16	1000		2200	0.9	$24.09	

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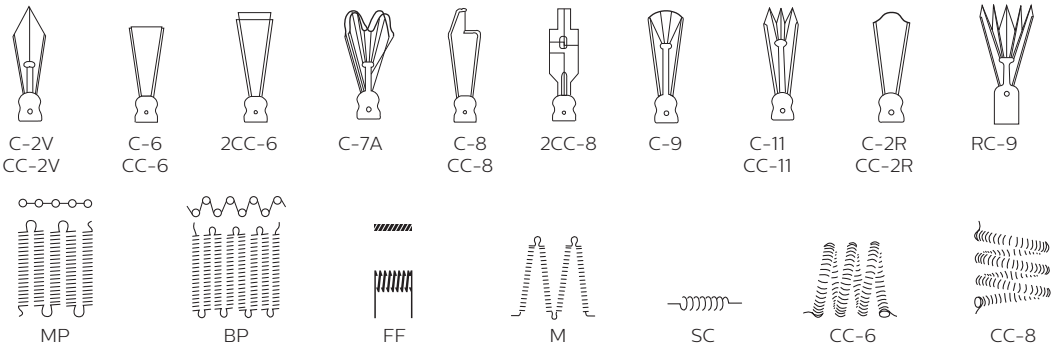
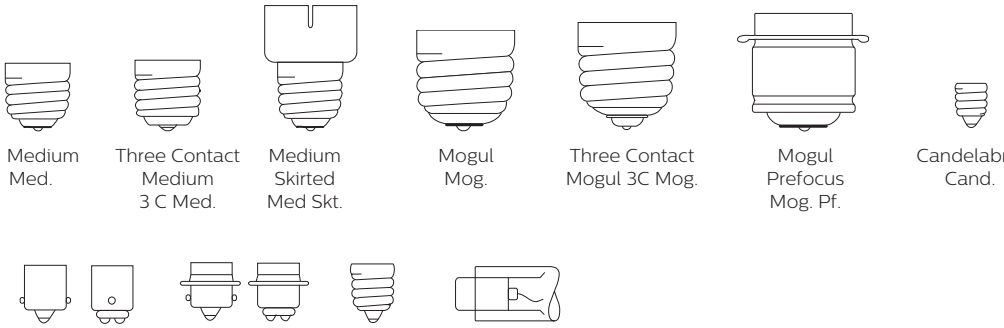
Incandescent symbols and footnotes located on page 126.

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.

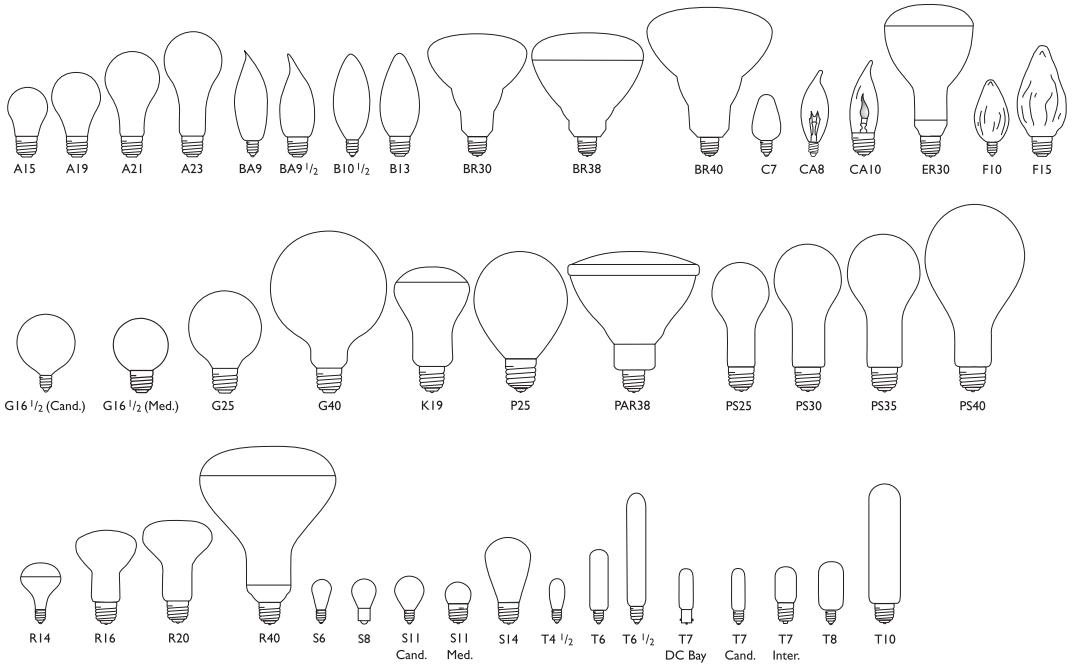


Base Types (Not Actual Sizes)



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 10/8 or 1¼ 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.