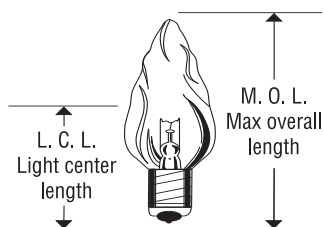


## BULB IDENTIFICATION

**Light Center Length (L.C.L.)** is the distance from the center of the light source to the following point for the base used: Screw bases...bottom base contact; Bayonet candelabra and medium bayonet...top of base pins.



Bulb size - Max. Diameter (Divide by 8)

A-21 -  $21/8 = 2\ 5/8"$  Dia.

G-40 -  $40/8 = 5"$  Dia.

T-12 -  $12/8 = 1\ 1/2"$  Dia.

PS-30 -  $30/8 = 3\ 3/4"$  Dia.

## BASE IDENTIFICATION

Typical bases are shown. One lead-in wire is soldered to the center contact and the other soldered or welded to the upper rim of the base shell. Base shells are typically made of brass or aluminum. ANSI designations are in parentheses.



Candelabra cand. (E12)



Intermediate Inter. (E17)



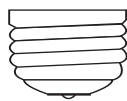
Medium (E26) & Medium Brass (E26)



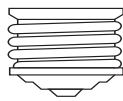
3 Contact Medium 3 C Med (E26D)



Medium Skirted Med. Skirt (E26/50x39)



Mogul Screw



3 Contact Mogul



Double Contact Bayonet D.C. Bay (BA15D)

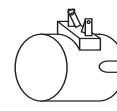


S14s



Ext. Mogul End Prong GX16d

Mogul End Prong



Med Side Pr.



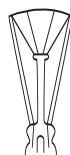
Screw Terminal G53

## FILAMENT IDENTIFICATION

A FILAMENT designation consists of a prefix letter to indicate whether the wire is straight or coiled, and a number to indicate the arrangement of the filament on the supports. Prefix letters include: C (coiled) --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.



C-8 CC-8



C-9 CC-9



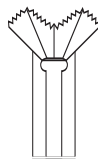
C-6 CC-6



C-2V CC-2V



C-7A CC-7A



C-11V



C-11 CC-11



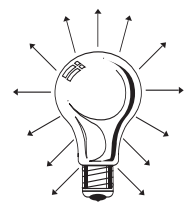
C-5



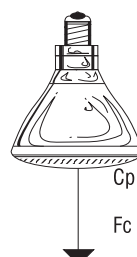
C-2R

## ADDITIONAL INFORMATION

**Lamps Listed** 115-125 volts (design voltage 120), 120-130 volts (design voltage 125), 125-130 volts (design voltage 130) and 230-250 volts (design voltage 240) are intended for use on circuits normally varying within these voltage limits.



LUMENS  
total lamp light output



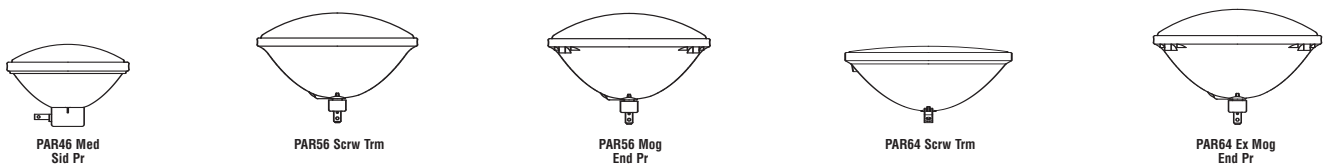
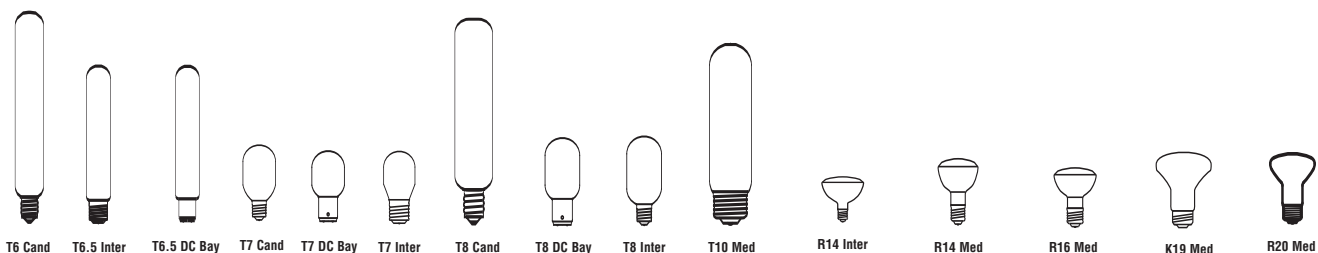
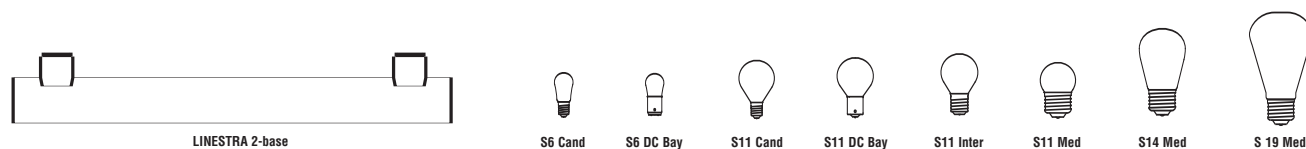
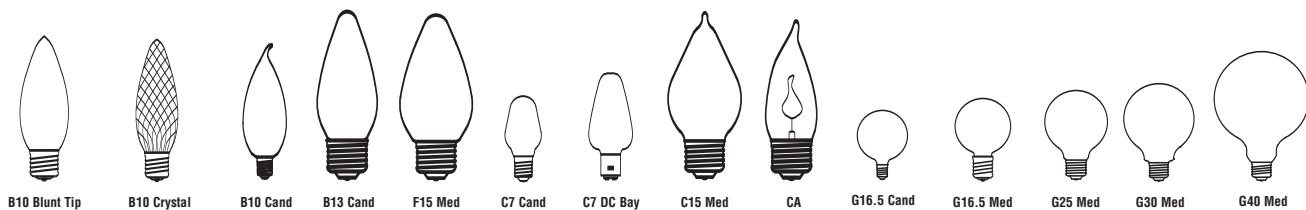
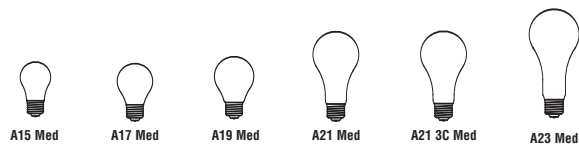
Candle Power  
Cp = Ray of Light in one direction  
Fc =  $\frac{\text{Max Beam Cp}}{D^2}$

### Finishes

W or SW - Soft White  
DAY - Daylight®  
Y - Yellow  
B - Blue  
R - Red  
G - Green  
A - Amber  
IC - Iridescent clear  
FL - Flood  
SP - Spot  
IF - Inside frost  
AIC - Amber iridescent clear

## INCANDESCENT LAMP SHAPES

A bulb designation consists of a letter(s) to indicate the shape and a figure(s) to indicate the approximate major diameter in eighths of an inch. For example, an F-15 bulb is a flame-shape, 15/8 of an inch or 1-7/8 inches in diameter.



## HOW TO READ PRODUCT INFORMATION - INCANDESCENT

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Description	Class & Filament	Avg Rated Life(hrs)	Lumens Beam Angle CBCP	LCL (in)	MOL (in)
<b>Bulb</b>			Describes the shape of the envelope followed by the lamp's major diameter given in eighths of an inch. See page 4: Incandescent Lamps.										
<b>Base</b>			See page 3: Base Identification.										
<b>Symbols &amp; Footnotes</b>			All symbols and footnotes that apply to a specific product will appear in this space. The explanations of the symbols and footnotes are at the end of the incandescent section.										
<b>Ordering Abbreviation</b>			A text description of the lamp. See below for several examples and explanations of some of the codes.										
<b>Class &amp; Filament</b>			The class is either B (vacuum) or C (gas filled). The filament designation describes the shape and mount structure of the filament. See page 3: Filament Identification.										
<b>Lumens, Beam Angle, CBCP</b>			This column may contain data for any of these values. Lumen values are followed by the designation 'lm'. Beam angles are indicated by either a '°' or the designation 'V x H' for non-symmetric beams. CBCP values are followed by the designation 'cd'.										

## HOW TO READ ORDERING ABBREVIATIONS

40B10C/CRYSTAL/DL/BL/2PK		60A/DL/SW/2PK/RP		65BR30/DL/FL/RP	
<b>40</b>	Nominal lamp wattage	<b>60</b>	Nominal lamp wattage	<b>65</b>	Nominal lamp wattage
<b>B</b>	Bulb shape	<b>A</b>	Bulb shape	<b>BR</b>	Bulb shape
<b>10</b>	Bulb size in 8th's of an inch	<b>DL</b>	Double life lamp	<b>30</b>	Bulb size in 8th's of an inch
<b>C</b>	Candelabra base	<b>SW</b>	Soft white	<b>DL</b>	Double life lamp
<b>CRYSTAL</b>	Crystal texture on bulb glass	<b>2PK</b>	2 lamps per package	<b>FL</b>	Flood beam pattern
<b>DL</b>	Double Life Lamp	<b>RP</b>	Retail pack	<b>RP</b>	Retail pack
<b>BL</b>	Blister pack				
<b>2PK</b>	2 lamps per package				

## INCANDESCENT BRAND NAME GUIDE

NOTE: These tables are intended only as a guide and may represent another lamp company's closest competitive type rather than an identical match. Individual manufacturers' performance values should be consulted. Environmental conditions, ballast type, and other auxiliary equipment may affect lamp performance.

## INCANDESCENT

SYLVANIA	GE*	PHILIPS**
Bug-Light	Bug-Lite	Bug-A-Way
Double Life	Long Life	Dura-Max
Double Life Soft White	Long Life Soft White	Dura-Max Soft White
Daylight®	Reveal	Natural
ellogic™	-	-
Energy Saver Soft White	Soft White Miser	Econo-O-Watt
EXCEL-LINE®	Extended Service	Extended Service
LINESTRA®	Lumiline	
RHINO COAT® SAFELINE®	COV-R-GUARD	Silicone Coated
Rough Service		Rough Service
Rough Service XL	Survivor	
Soft Pink	Soft Pink	Softone Pastels
Spot-GRO®	House Garden - Plant Light	Agro-Lite
SUPERSAVER®	Watt-Miser	Econo-o-Watt
SUPERSAVER EXCEL-LINE	Watt-Miser Plus	Extended Service
SUPERSAVER PAR	Watt-Miser PAR	Econo-o-PAR

\*Trademark and or registered trademark of General Electric Company. \*\*Trademark and or registered trademark of Philips.



PAR64



PS35



CA8, CA10, CA5



B10



F10



G16.5












## GENERAL PURPOSE LAMPS

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Description	Class & Filament	Avg Rated Life(hrs)	Lumens Beam Angle CBCP	LCL (in)	MOL (in)
500	PAR64	Ext Mog End Pr	14938	★57,117,188	500PAR64/NSP	120	6	Narrow Spot	C, CC-13	2000	6500lm 110000 cd 7x12 VH		6.00
			14932	★57,117,188	500PAR64/MFL	120	6	Med Flood	C, CC-13	2000	6500lm 37000 cd 11x25 VH		6.00
			14935	★57,117,188	500PAR64/WFL	120	6	Wide Flood	C, CC-13	2000	6500lm 13000 cd 20x40 VH		6.00
	PS35	Mogul	16032		500PS35/CL	120	24	Clear	C, CC-8	1000	10000	7.00	9.38
			16034		500PS35/CL	130	24	Clear	C, CC-8	1000	10000	7.00	9.38
			16040		500PS35/F	130	24	Inside Frost	C, CC-8	1000	10000	7.00	9.38

## DECORATIVE LAMPS

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Description	Class & Filament	Avg Rated Life(hrs)	MOL (in)
3	CA8	Candelabra	11688		3CA8C/CL/FL/BL/1/6	120	6	Clear Flicker	B	1500	3.50
	CA10	Med	11689		3CA10/CL/FL/BL/1/6	120	6	Clear Flicker	B	1500	3.50
7.5	CA5	Candelabra	11687		7.5CA5C/CL/BL/3/18	120	18	Clear Décor Bent Tip	B, C-11V	3000	3.06
15	B10	Candelabra	13315		15B10C/DL/BL	120	12	Clear Double Life Décor Bent Tip	C, C-7A	3000	3.88
			13657		15B10C/BAGPK	120	200	Clear Décor Bent Tip	C, C-7A	1500	3.88
			13448		15B10C/BL/2PK	120	12	Clear Décor Bent Tip	C, C-7A	1500	3.88
			13675		15B10C/T/BL/2PK	120	12	Clear Décor Blunt Tip	C, C-7A	1500	3.63
	Med		13433	94	15B10/BL/2PK	120	12	Clear Décor Bent Tip	C, C-7A	1500	3.81
			13715	94	15B10/T/BL/2PK	120	12	Clear Décor Blunt Tip	C, C-7A	1500	3.56
	F10	Candelabra	13435		15FC/AIC/BL/2PK	120	12	Amber Flame Shape Iridescent	B, C-7A	1500	3.06
			13434		15FC/IC/BL/2PK	120	12	Clear Iridescent Flame Shape	B, C-7A	1500	3.06
			13436		15FC/W/BL/2PK	120	12	White Flame Shape	B, C-7A	1500	3.06
	G16.5	Candelabra	13709		15G16.5C/4M	120	24	Clear Globe	B, C-7A	4000	3.00
			13616		15G16.5C	120	24	Clear Globe	B, C-7A	1500	3.00
			13617		15G16.5C/W	120	24	White Globe	B, C-7A	1500	3.00
25	B10	Candelabra	13306		25B10C/DL/BL/4PK	120	24	Clear Double Life Décor Bent Tip	C, C-7A	3000	3.88
			13316		25B10C/DL/BL	120	12	Clear Double Life Décor Bent Tip	C, C-7A	3000	3.88
			13570		25B10C/BAGPK	120	200	Clear Décor Bent Tip	C, C-7A	1500	3.88
			13452		25B10C/BL/2PK	120	12	Clear Décor Bent Tip	C, C-7A	1500	3.88
			13678		25B10C/T/BL/2PK	120	12	Clear Décor Blunt Tip	C, C-7A	1500	3.63
			13743		25B10C/CRYSTAL/DL/BL/2PK	120	12	Double Life Crystal Bent Tip	C, C-7A	3000	3.88
			13308		25B10C/DL/F/BL/4PK	120	24	Frosted Double Life Décor Bent Tip	C, C-7A	3000	3.88
			13317		25B10C/DL/F/BL	120	12	Frosted Double Life Décor Bent Tip	C, C-2V	3000	3.88

**SYMBOLS & FOOTNOTES FOR INCANDESCENT LAMPS**

Symbol	Description
	New item introduced within the past year.
	Item will be discontinued when inventory is depleted.
	Indicates aluminum base.
	Do not operate in household sockets.
	Operate base down.
	Operate base down to horizontal.
	Heat resistant, hard glass.
	PAR lamps are suitable for indoor and outdoor use.
	Do not operate in paper lined sockets.
	This lamp or ballast meets minimum Federal efficiency standards.
	This ECOLOGIC® lamp was designed to pass the Federal TCLP criteria for classification as non-hazardous waste in most states. Disposal regulations may vary; check local and state regulations.

Footnote	Description
1	Indefinite long life. Designed for life in excess of 10,000 hours. In -service life depends upon burning conditions.
2	Should not be used in equipment where base temperature will exceed 500 F.
3	@ 120 volts, approximate 119 watts, 1560 lumens, 6250 hours
4	@ 120 volts, approximate 119 watts, 1870 lumens, 1875 hours
5	@ 120 volts, approximate 132 watts, 1420 lumens, 6250 hours
6	@ 120 volts, approximate 132 watts, 1580 lumens, 2500 hours
7	@ 120 volts, approximate 132 watts, 1590 lumens, 2500 hours
8	@ 120 volts, approximate 132 watts, 1660 lumens, 1875 hours
9	@ 120 volts, approximate 132 watts, 1770 lumens, 1875 hours
10	@ 120 volts, approximate 132 watts, 1690 lumens, 6250 hours
11	@ 120 volts, approximate 132 watts, 1880 lumens, 1875 hours
12	@ 120 volts, approximate 132 watts, 2030 lumens, 1875 hours
13	High temperature base. Designed to operate in equipment where base temperature run between 500F - 570F.
14	@ 120 volts, approximate 176 watts, 2190 lumens, 6250 hours
15	@ 120 volts, approximate 176 watts, 2220 lumens, 2500 hours
16	@ 120 volts, approximate 176 watts, 2350 lumens, 2500 hours
17	@ 120 volts, approximate 176 watts, 2360 lumens, 6250 hours
18	@ 120 volts, approximate 176 watts, 2710 lumens, 1875 hours
19	@ 120 volts, approximate 176 watts, 2740 lumens, 1875 hours
20	@ 120 volts, approximate 176 watts, 2820 lumens, 1875 hours
21	@ 120 volts, approximate 176 watts, 2860 lumens, 1875 hours
22	@ 120 volts, approximate 176 watts, 2220 lumens, 6750 hours
23	@ 120 volts, approximate 188 watts, 3190 lumens, 1125 hours
24	Designed for service other than illumination.
25	@ 120 volts, approximate 220 watts, 2360 lumens, 10000 hours
26	@ 120 volts, approximate 264 watts, 2310 lumens, 5000 hours
27	@ 120 volts, approximate 264 watts, 3800 lumens, 6250 hours

## SYMBOLS & FOOTNOTES FOR INCANDESCENT LAMPS

Footnote	Description
28	@ 120 volts, approximate 264 watts, 3850 lumens, 6250 hours
29	@ 120 volts, approximate 264 watts, 4390 lumens, 1875 hours
30	@ 120 volts, approximate 264 watts, 4305 lumens, 1875 hours
31	Additional product information can be found in the SYLVANIA Automotive, Miniature and Sealed Beam Lamp Catalog Form 208.
32	UV Filter capsule with axial filament in dichroic reflector.
33	UV Filter capsule with axial filament in aluminized reflector.
34	UV Filter capsule with axial filament in covered aluminized reflector .
35	2 3/4" circular window.
36	UV Filter capsule with axial filament in constant color, hard coated dichroic reflector.
37	UV Filter capsule with axial filament in constant color, hard coated Dichroic reflector and infrared reflective coating on the lamp capsule.
38	UV Filter capsule with axial filament in precisely engineered aluminum m reflector.
39	Suitable for indoor and outdoor use;
40	For indoor use only; suitable for outdoor use only if not directly exposed to weather
41	For indoor use only;
42	UV control capsule with transverse constant color filament in hard dichroic
43	State of the Art SPL Optics
44	Inner capsule with Infrared conserving coating and hard glass lens
45	UV Filter capsule with axial filament in covered dichroic reflector.
46	Operate only in porcelain sockets.
47	Infrared lamp technology
48	Caution: Operates under pressure and may shutter. Use appropriate techniques to protect people and surroundings. Do not operate in close proximity to persons, combustible materials, or substances affected by heat or drying. Do not operate over 110% rated voltage because such operation increases pressure and lamps' tendency to shatter. Ultraviolet output may cause skin and eye irritation with prolonged exposure. Protect bulb from abrasions and scratches. Do not insert lamps when power is on. Follow operation
49	ECE Approved
50	Lamp Life B3 @ 13.2 volts.
51	Universal lamp housings for T2 slide based pilot lamps.
52	Socket dimensions front to panel to end of terminals.
53	UL File No. E31557(M) CSA File No.LR20904
54	Universal lamp housings for T2.5 and T3.25 miniature bayonet based lamps.
55	UL File No. E31557(M) CSA File No.LR20904
56	MIL-Std. 18236 B-MIL Std. 202B
57	Should be shielded against moisture falling on bulb.
58	Material : Black Phenolic
59	There are two distinctively different lamps with this part number. When ordering T-1 3/4 , #7327, please also specify category and base type. S-11. #7327 discontinued.
60	MOL = Excluding pins.
61	Material : Plastic
62	Max. seal temperature 350 C (662F)
63	Max. bulb temperature 1000 C (1832F)
64	Min. bulb temperature 250 C (482F)
65	UV Filter capsule with axial filament in covered constant color, hard coated dichroic reflector.
66	UV Filter capsule with axial filament in covered constant color, hard coated dichroic reflector and infrared reflective coating on the lamp capsule.
67	UV Filter capsule with transverse filament in constant color, hard coated dichroic reflector .
68	Not recommended for use in enclosed close-fitting housings.
69	For Indoor Use only.
70	Because this bulb radiates considerable heat, do not use in enclosed, close fitting fixtures, or in close proximity to people, combustible materials, or substances adversely affected by heat or drying.

## SYMBOLS & FOOTNOTES FOR INCANDESCENT LAMPS

Footnote	Description
71	Even though this bulb may continue to light after the lens or reflector is cracked or broken, it should be replaced as soon as possible since the pressure filled inner capsule could unexpectedly shatter, creating a risk of personal injury or property damage. In addition, the inner capsule produces ultraviolet radiation that can cause injury to the eyes and skin with prolonged exposure without the blocking effect of the outer glass bulb.
72	To avoid electric shock and/or skin burns, turn off power and allow bulb to cool before handling or attempting replacement.
73	For indoor or outdoor use where not directly exposed to weather. Exposure to weather may damage the bulb.
74	Use only with ceramic/porcelain sockets and in fixtures rated for this bulb type, including voltage and wattage.
75	Screw bulb firmly but not forcibly into socket to obtain good electrical contact and to avoid damaging bulb and/or socket. Socket condition may affect bulb life. Replace socket if deterioration of socket or bulb contacts is observed.
76	Due to change from high pressure capsule to low pressure capsule, dimensions have been changed: LCL from 19.5 to 22mm and bulb diameter from 9 to 9.5mm.
77	@ 120 volts, approximate 26 watts, 150 lumens, 5000 hours.
78	Recommended operating position any within 60 degrees of vertically base up or base down.
79	@ 120 volts, approximate 28 watts, 200 lumens, 7500 hours.
80	@ 120 volts, approximate 53 watts, 340 lumens, 12500 hours.
81	@ 120 volts, approximate 66 watts, 500 lumens, 12500 hours.
82	@ 120 volts, approximate 88 watts, 765 lumens, 12500 hours.
83	@ 120 volts, approximate 88 watts, 1020 lumens, 2500 hours.
84	UV Filter Quartz
85	@ 120 volts, approximate 53 watts, 845 lumens, 6000 hours.
86	Operate only in heat resistant sockets
87	@ 120 volts, approximate 44 watts, 690 lumens, 6000 hours.
88	@ 120 volts, approximate 44 watts, 850 lumens, 6000 hours.
89	For use only in fixtures designed specifically for dichroic Reflector Lamps.
90	@ 120 volts, approximate 53 watts, 660 lumens, 6000 hours.
91	Max pin temperature 220 C.
92	Max pin temperature 250 C.
93	Max temperature at lens reflector joint 240 C.
94	Not for use in ceiling fan fixtures
95	For use where seal temperature does not exceed 662F.
96	Per Title 20 Section 1605.3(m) of the California Code of Regulations, this lamp may not be sold or offered for sale in the state of California for use in Traffic Signals.
97	Board Size MFX Base 1.6mm (0.062") Inside of Board
98	OSRAM Miniwatt lamps for printed circuit boards (the MF series) are designed to work on both inside and outside contact boards and various thickness boards. In order to assure proper electrical contact, be sure to check the thickness of the board and the location of the electrical contacts.
99	@ 120 volts, approximate 33 watts, 270 lumens, 3750 hours.
100	Operate within 25 degrees of vertical base up.
101	@ 120 volts, approximate 53 watts, 490 lumens, 2500 hours.
102	@ 120 volts, approximate 66 watts, 650 lumens, 1875 hours.
103	@ 120 volts, approximate 88 watts, 970 lumens, 1875 hours.
104	@ 120 volts, approximate 46 watts, 560 lumens, 2500 hours.
105	@ 120 volts, approximate 40 watts, 220 lumens, 5000 hours.
106	@ 120 volts, approximate 57 watts, 410 lumens, 5000 hours.
107	Lamps manufactured on or after January 1, 2007 are not for sale in Washington or Oregon.
108	Per Title 20 Section 1605.3(k) of the California Code of Regulations, this lamp may not be sold or offered for sale in the state of California.
109	Lamp may not be operated on a dimmer or DC current
110	Complies with part 15 of FCC rules.
111	Average laboratory life is 200 hours for vacuum cleaner and 600 hours for sewing machine services.
112	Life dependent on service conditions.
113	Operating position 45 degrees base down to horizontal.

## SYMBOLS & FOOTNOTES FOR INCANDESCENT LAMPS

Footnote	Description
114	Use only in fixtures designed to adequately dissipate heat from lamp.
115	3" Circular window.
116	Operation of lamp in any position other than base up may result in some loss of protective coating.
117	A protective shield must be used external to the lamp.
118	In base up operation, heat may eventually deteriorate paper-lined or plastic sockets.
119	Operate only in porcelain or other socket approved for 150 watt PAR lamp.
120	Metal sleeve with approximately 6" flexible non-insulated leads. Leads not included in maximum overall length (M.O.L.).
121	High temperature base. Retards seal deterioration where seal temperature exceeds 650F.
122	Lightly inside frosted and side aluminized; M.O.L. exclusive of spring contact.
123	For use where seal temperature does not exceed 650F.
124	Life at rated voltage and at 650F maximum seal temperature.
125	Usually limited to intermittent burning.
126	Maximum bulb wall temperature 480F.
127	Lamp internally fused.
128	2 1/2" braided lead with lug.
129	Nickel sleeve with 11/4" - 11/2" flexible leads with lug. Leads not included in maximum overall length (M.O.L.)
130	Minimum run. Check nearest OSRAM SYLVANIA Sales Office for details.
131	This lamp should not be used in a location where water may be splashed on it.
132	Package quantity may change. See your OSRAM SYLVANIA Lighting Representative for details.
133	For diesel electric locomotives without voltage regulators.
134	Retrofit for 65BR30/FL, or 75R30/FL.
135	Available in bulk pack.
136	Incandescent lamps operated at less than rated voltage provide a lower light output, longer life, lower color temperature and are less efficient in terms of lumens per watt.
137	Approximate life for 130 volt tungsten halogen lamps operated at 120 volts is within the value calculated using the recommended equations for standard incandescent lamps, as set forth in the IES Handbook, 8th edition. Because of the uncertain nature of the halogen cycle on the coil when operated at less than rated voltage, life of tungsten halogen lamps varies considerably and unpredictably. OSRAM SYLVANIA does not recommend operation at other than rated voltage.
138	Nominal wattage - actual may be slightly higher to achieve required light output.
139	A suitable protective shield, screening technique, or both must be used to protect people and surroundings from the possibility of a lamp shattering and from possible ultraviolet radiation.
140	Standard Clear - UV Filter Quartz
141	Standard Frosted - UV Filter Quartz
142	Starlite Low Pressure - UV Filter Quartz
143	Standard Clear - 24V - UV Filter Quartz - Not suitable for use in open fixtures.
144	Maximum contact to contact tolerance on RSC Base = 1/16"
145	Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.
146	@120 volts, approximate 22 watts, 130 lumens, 6250 hours
147	@ 120 volts, approximate 26 watts, 100 lumens, 5000 hours
148	@ 120 volts, approximate 28/66/94 watts, 255/800/1060 lumens, 1800 hours
149	@ 120 volts, approximate 30 watts, 240 lumens, 6250 hours
150	@ 120 volts, approximate 30 watts, 290 lumens, 3750 hours
151	@ 120 volts, approximate 31 watts, 275 lumens, 5000 hours
152	@ 120 volts, approximate 35 watts, 320 lumens, 6250 hours
153	@ 120 volts, approximate 35 watts, 350 lumens, 3750 hours
154	@ 120 volts, approximate 37 watts, 450 lumens, 7000 hours
155	May not give satisfactory performance if any accessory lighting equipment touches the glass bulb.
156	@ 120 volts, approximate 38 watts, 380 lumens, 2250 hours



## SYMBOLS & FOOTNOTES FOR INCANDESCENT LAMPS

Footnote	Description
157	@ 120 volts, approximate 40 watts, 425 lumens, 5000 hours
158	@ 120 volts, approximate 44 watts, 250 lumens, 5000 hours
159	@ 120 volts, approximate 44 watts, 240 lumens, 5000 hours
160	@ 120 volts, approximate 44 watts, 400 lumens, 2500 hours
161	@ 120 volts, approximate 44 watts, 420 lumens, 5000 hours
162	@ 120 volts, approximate 44 watts, 500 lumens, 5000 hours
163	@ 120 volts, approximate 46 watts, 460 lumens, 6250 hours
164	@ 120 volts, approximate 46 watts, 540 lumens, 2500 hours
165	@ 120 volts, approximate 46 watts, 600 lumens, 7000 hours
166	When calculations are based on bare lamp lumens, do not use this lumen rating.
167	@ 120 volts, approximate 47/94/141 watts, 545/1275/1820 lumens, 1800 hours
168	@ 120 volts, approximate 53 watts, 420 lumens, 2500 hours
169	@ 120 volts, approximate 53 watts, 495 lumens, 4000 hours
170	@ 120 volts, approximate 53 watts, 650 lumens, 2500 hours
171	@ 120 volts, approximate 53 watts, 645 lumens, 6000 hours
172	@ 120 volts, approximate 56 watts, 725 lumens, 1500 hours
173	@ 120 volts, approximate 57 watts, 540 lumens, 4375 hours
174	@ 120 volts, approximate 59 watts, 660 lumens, 6250 hours
175	@ 120 volts, approximate 59 watts, 780 lumens, 1875 hours
176	@ 120 volts, approximate 63 watts, 900 lumens, 7000 hours
177	Average laboratory life in excess of 5000 hours.
178	@ 120 volts, approximate 66 watts, 425 lumens, 4125 hours
179	@ 120 volts, approximate 66 watts, 620 lumens, 2500 hours
180	@ 120 volts, approximate 66 watts, 685 lumens, 4000 hours
181	@ 120 volts, approximate 66 watts, 805 lumens, 5000 hours
182	@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours
183	@ 120 volts, approximate 66 watts, 910 lumens, 1875 hours
184	@ 120 volts, approximate 66 watts, 520 lumens, 5000 hours
185	@ 120 volts, approximate 70 watts, 985 lumens, 1125 hours
186	@ 120 volts, approximate 79 watts, 940 lumens, 6250 hours
187	@ 120 volts, approximate 79 watts, 1000 lumens, 5000 hours
188	For use only with heat-resisting connector and with bulb supported by bulb rim or metal shell of base.
189	@ 120 volts, approximate 79 watts, 1130 lumens, 1875 hours
190	@ 120 volts, approximate 88 watts, 960 lumens, 2500 hours
191	@ 120 volts, approximate 88 watts, 1100 lumens, 6250 hours
192	@ 120 volts, approximate 88 watts, 1260 lumens, 1875 hours
193	@ 120 volts, approximate 88 watts, 1290 lumens, 1875 hours
194	@ 120 volts, approximate 88 watts, 710 lumens, 5000 hours
195	@ 120 volts, approximate 94 watts, 1455 lumens, 1125 hours
196	@ 120 volts, approximate 105 watts, 850 lumens, 5000 hours
197	@ 120 volts, approximate 105 watts, 1370 lumens, 6000 hours
198	@ 120 volts, approximate 106 watts, 1040 lumens, 5000 hours