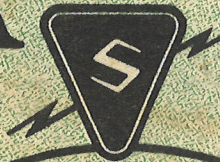


LIGHTING DIVISION

SYLVANIA ELECTRIC

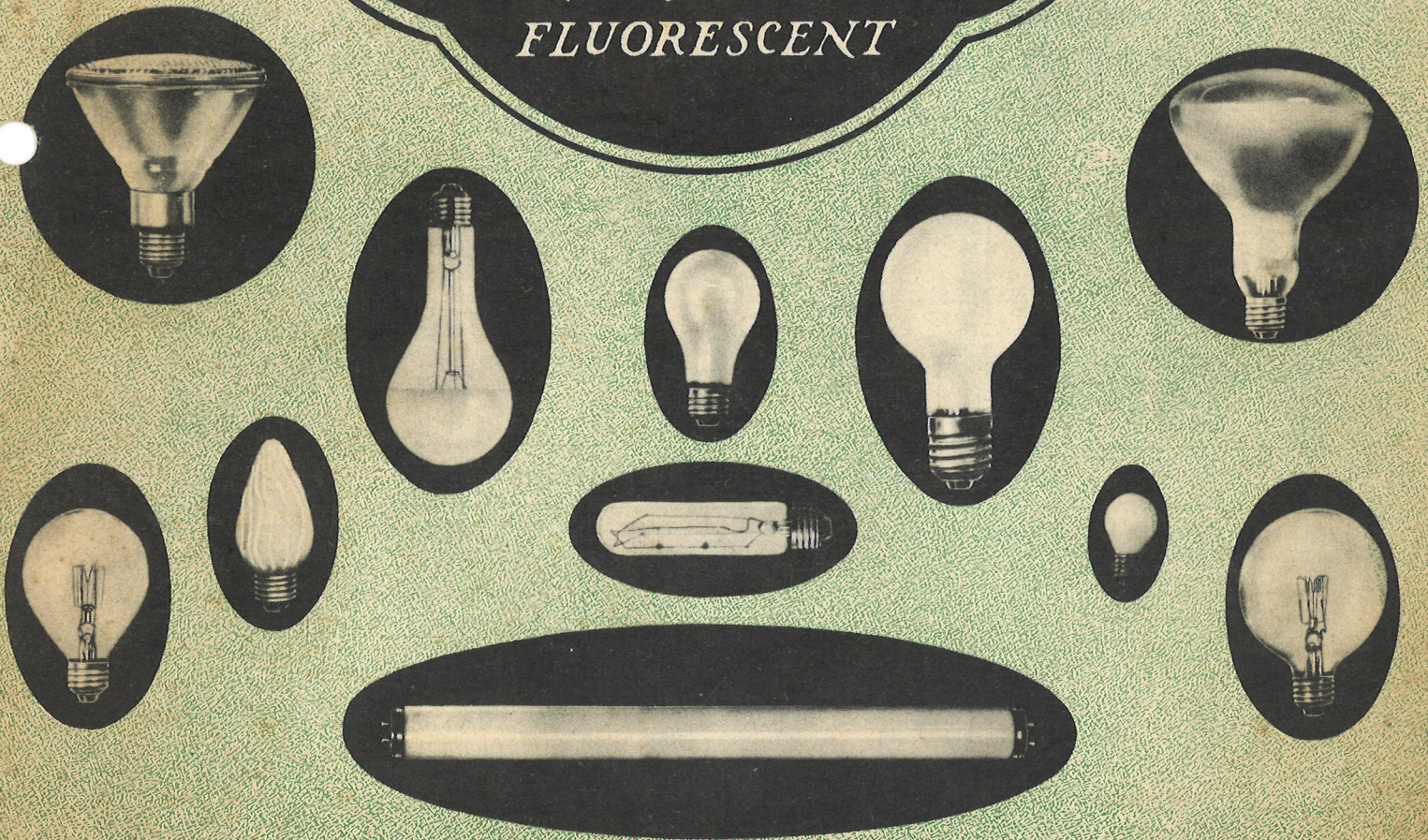
SALEM

MASS



Catalog
of STANDARD
Light Bulbs

INCANDESCENT
FLUORESCENT



JUNE 1, 1947

HOW TO ORDER SYLVANIA ELECTRIC LIGHT BULBS

ORDERING ABBREVIATIONS printed in the first column of the schedule. These abbreviations give all the necessary information except VOLTS, which must be specified.

Abbreviations for Series Light Bulbs listed in lumens and amperes and fluorescent tubes are complete without volts.

A STANDARD PACKAGE of large Sylvania Light Bulbs is defined as a package, as packed by the manufacturer, of that "Standard Package Quantity" designated for each Light Bulb in the manufacturer's price schedule; and the Light Bulbs in such a standard package may not be of different specifications.

Standard Voltage, as referred to herein, includes 115, 120 and 125 volts. High voltage includes 230 and 250 volts.

Voltage Limits shown as 115-125 are mainly restricted to types manufactured for Appliance, Heat and Decorative applications. These types are intended for use on circuits with voltages normally falling within these limits.

Voltage Codes are used in this catalog only to indicate types regularly stocked. Such codes should not be used for ordering purposes.

NOTICE For information about special types not listed in this Standard Catalog or for discounts to purchasers under contract write or phone your Sylvania distributor or the nearest Sylvania Division Office.

All Prices Subject To Change Without Notice

CHARGE FOR FEDERAL EXCISE TAX

All of the items shown in this catalog except Infrared and Germicidal Lamps are subject to a Charge for Federal Excise Tax which is billed separately at 10.4% of list value. Charges on sales from 11c list value to

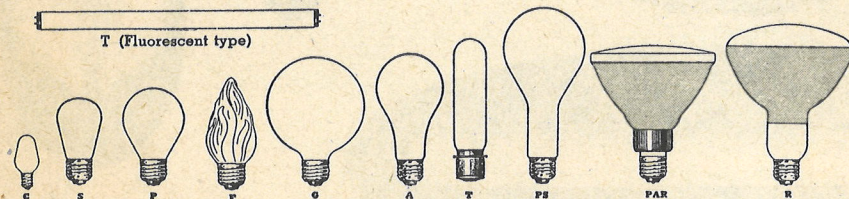
\$5.04 list value are set forth in the table below. On any sale exceeding \$5.04 list value the Charge should be figured at 10.4% of the total list value of the sale.

SYLVANIA ELECTRIC LARGE INCANDESCENT LIGHT BULBS AND FLUORESCENT LAMPS

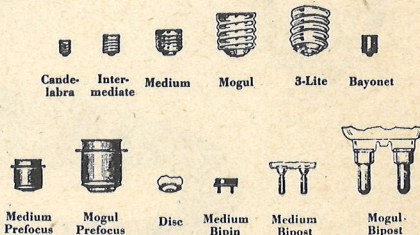
List Value of Sale	Charge for Tax	List Value of Sale	Charge for Tax	List Value of Sale	Charge for Tax	List Value of Sale	Charge for Tax
\$0.11 to \$0.14	\$0.01	\$1.30 to \$1.39	\$0.14	\$2.55 to \$2.64	\$0.27	\$3.80 to \$3.89	\$0.40
.15 to .24	.02	1.40 to 1.49	.15	2.65 to 2.74	.28	3.90 to 3.99	.41
.25 to .33	.03	1.50 to 1.58	.16	2.75 to 2.83	.29	4.00 to 4.08	.42
.34 to .43	.04	1.59 to 1.68	.17	2.84 to 2.93	.30	4.09 to 4.18	.43
.44 to .52	.05	1.69 to 1.77	.18	2.94 to 3.02	.31	4.19 to 4.27	.44
.53 to .62	.06	1.78 to 1.87	.19	3.03 to 3.12	.32	4.28 to 4.37	.45
.63 to .72	.07	1.88 to 1.97	.20	3.13 to 3.22	.33	4.38 to 4.47	.46
.73 to .81	.08	1.98 to 2.06	.21	3.23 to 3.31	.34	4.48 to 4.56	.47
.82 to .91	.09	2.07 to 2.16	.22	3.32 to 3.41	.35	4.57 to 4.66	.48
.92 to 1.00	.10	2.17 to 2.25	.23	3.42 to 3.50	.36	4.67 to 4.75	.49
1.01 to 1.10	.11	2.26 to 2.35	.24	3.51 to 3.60	.37	4.76 to 4.85	.50
1.11 to 1.20	.12	2.36 to 2.45	.25	3.61 to 3.70	.38	4.86 to 4.95	.51
1.21 to 1.29	.13	2.46 to 2.54	.26	3.71 to 3.79	.39	4.96 to 5.04	.52

BULB, BASE AND FILAMENT DESIGNATIONS

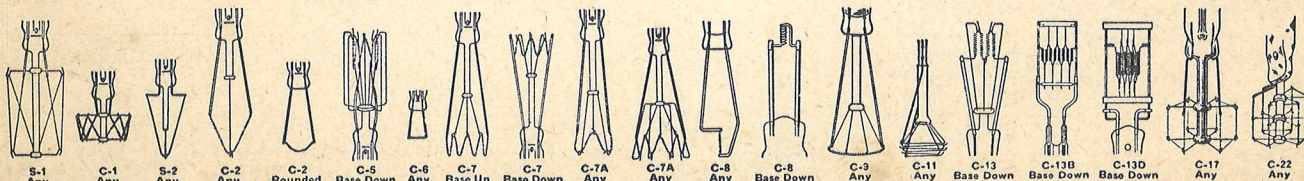
BULB designations consist of a letter to indicate its shape and a figure to indicate the approximate diameter in eighths of an inch.



BASE DESIGNATIONS



FILAMENT designations consist 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: S (straight)—wire is straight or slightly corrugated; 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; R (ribbon)—wire is flat in cross section; SR—straight ribbon filament; CR—coiled or fluted ribbon filament. Shape of mounts and usual burning positions:



SYLVANIA ELECTRIC

INDEX TABLE

Appliance	Page 4	Germicidal Lamps	Page 8	Showcase Reflector (Birdseye) ..	Page 8
Battery Service	" 7	High Voltage Service	" 6	Sign	" 4
Commercial	" 5	High Wattage	" 5	Spotlight	" 3
Concentrator (Birdseye)	" 7	Household Types	" 3	Spotlite Intensifying (Birdseye) ..	" 8
Country Home Service	" 6	Indicator	" 4	Spotlite Projector (Birdseye) ..	" 8
Decorative	" 4	Indirect (Birdseye)	" 7	Spotlite Super (Birdseye)	" 8
Direct (Birdseye)	" 7	Infrared	" 6	Street Series Service	" 6
Floodlight	" 3	Infrared (Birdseye)	" 8	Superlite	" 7
Floodlite (Birdseye)	" 8	Lumiline	" 5	Traffic Signal	" 4
Floodlite Projector (Birdseye) ..	" 8	Rough Service	" 4	Vibration Service	" 4
Fluorescent Lamps	" 9	Showcase	" 5		

ORDERING ABBREVIATION (EXCEPT VOLTS)	WATTS	VOLTS CODE NO.	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(E) RATED AVE. LIFE (HOURS)	MAX. OVERALL LENGTH (INCHES)	AVE. LIGHT CENTER LENGTH (INCHES)
HOUSEHOLD TYPES										
15A15	15	2	A-15	Med.	Inside Frosted	\$0.11	120	1200	3 1/2	2 3/8
25A	25	2, 10	A-19	"	Inside Frosted	.11	120	1000	3 1/8	2 1/2
40A	40	2, 10	A-19	"	Inside Frosted(s)	.11	120	1000	4 1/4	2 7/8
50A	50	2, 10	A-19	"	Inside Frosted(s)	.11	120	1000	4 7/8	3 1/8
50/150	50 100 150	2	PS-25	Three Contact Mogul	I.F. Three Light	.44	60	1000	6 1/8	5
60A	60	2, 10	A-19	Med.	Inside Frosted(s)	.11	120	1000	4 7/8	3 1/8
60A/D	60	2	A-19	"	I.F. Daylight(s)	.25	120	1000	4 7/8	3 1/8
60A/SB	60	2	A-19	"	I.F. Silvered Bowl(s)	.24	120	1000	4 7/8	3 1/8
75A	75	2, 10	A-21	"	Inside Frosted(s)	.15	120	750	5 5/8	3 7/8
100A	100	2, 10	A-21	"	Inside Frosted(s)	.15	120	750	5 5/8	3 7/8
100A/D	100	2	A-23	"	I.F. Daylight(s)	.25	120	750	6 1/8	4 3/8
100/300	100 200 300	2	G-30	Three Contact Mogul	I.F. Indirect Three Light(s)	.55	60	1000	6 3/4	3 3/4
150	150	2, 10	PS-25	Med.	Inside Frosted(s)	.20	60	750	6 1/8	5 1/4
150/CL	150	2, 10	PS-25	"	Clear(s)	.20	60	750	6 1/8	5 1/4
SPOTLIGHT—FLOODLIGHT (Clear, Projector and Reflector)										
100A21/SP	100	2	A-21	Med.	Clear Spot	\$0.80	120	200	4 3/4	3
150PAR/SP	(†) 150	2	*PAR-38	Med. Skt.	Projector Spot(w)	1.55	12	1000	5 5/8	.....
150PAR/FL	(†) 150	2	*PAR-38	" "	Projector Flood(w)	1.55	12	1000	5 5/8	.....
150R/SP	150	2	R-40	Med.	Light I.F. Refl. Spot(J)	1.05	24	1000	6 1/2	.....
150R/FL	150	2	R-40	"	Light I.F. Refl. Flood(J)	1.05	24	1000	6 1/2	.....
250G/SP	250	2	G-30	"	Clear Spot	1.15	24	200	5 1/8	3
250G/FL	250	2	G-30	"	Clear Flood	1.15	24	800	5 1/8	3
300R/SP	(†) 300	2	R-40	"	Light I.F. Refl. Spot(J)	1.55	24	1000	6 1/2	.....
300R/FL	(†) 300	2	R-40	"	Light I.F. Refl. Flood(J)	1.55	24	1000	6 1/2	.....
400G/SP	400	2	G-30	"	Clear Spot	1.75	24	200	5 1/8	3
500G/FL	500	2	G-40	Mog.	Clear Flood	2.10	12	800	7 1/8	4 1/4
1M/G40SP4 1/4	1000	2	*G-40	"	Clear Spot	5.00	12	200	7 1/8	4 1/4
1M/G40FL	1000	2	*G-40	"	Clear Flood	5.00	12	800	8	5 1/4

(E) Life under specified test conditions.

(G) Burn base-down.

(J) May not give satisfactory service if any accessory lighting equipment is attached to or touches the glass bulb

(S) Will operate in any position, but lumen maintenance is best when burned vertically, base-up; and lumens per watt values at 70% of rated life, (when shown) apply to this position only.

(W) PAR lamps are suitable for both outdoor and indoor use.

(†) Should be burned only in porcelain sockets.

(★) Heat Resisting Glass Bulb.

VOLTAGE CODES INCLUDING STANDARD							HIGH VOLTAGE CODES		
1	115, 120	4	120, 125	7	115, 125	10	110, 130	1	230, 250
2	115, 120, 125	5	115	8	110	11	105	2	250
3	120	6	125	9	130	12	115-125	3	230

SYLVANIA



ELECTRIC

ORDERING ABBREVIATION (EXCEPT VOLTS)	WATTS	VOLTS CODE NO.	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(E) RATED AVE. LIFE (HOURS)	MAX. OVERALL LENGTH (INCHES)	AVE. LIGHT CENTER LENGTH (INCHES)
DECORATIVE										
10S11N	10	2	S-11	Inter.	Clear	\$0.15	120	1500	2 $\frac{5}{16}$	1 $\frac{5}{8}$
10S11N/W	10	2	S-11	"	Ins. Col. White	.20	120	1500	2 $\frac{5}{16}$	.....
10S14/R	10	3	S-14	Med.	Ins. Col. Red	.19	120	1500	3 $\frac{1}{2}$	.....
10S14/B	10	3	S-14	"	Ins. Col. Blue	.19	120	1500	3 $\frac{1}{2}$	.....
10S14/G	10	3	S-14	"	Ins. Col. Green	.19	120	1500	3 $\frac{1}{2}$	.....
10S14/Y	10	3	S-14	"	Ins. Col. Yellow	.19	120	1500	3 $\frac{1}{2}$	.....
10S14/AO	10	3	S-14	"	Ins. Col. Amb. Or.	.19	120	1500	3 $\frac{1}{2}$	.....
15FC/FT	15	2	F-10	Cand.	Out. Ctd. Flametint(H) ..	.20	60	750	3 $\frac{1}{16}$	.....
15FC/W	15	2	F-10	"	Out. Ctd. White(H)	.20	60	750	3 $\frac{1}{16}$	.....
15FC/V	15	2	F-10	"	Out. Ctd. Ivory(H)	.20	60	750	3 $\frac{1}{16}$	.....
25A/OAO	25	3	A-19	Med.	Out. Ctd. Amb. Or.(H) ..	.16	120	1000	3 $\frac{1}{16}$	.....
25A/OB	25	3	A-19	"	Out. Ctd. Blue(H)	.16	120	1000	3 $\frac{1}{16}$	.....
25A/OFT	25	3	A-19	"	Out. Ctd. Flametint(H) ..	.16	120	1000	3 $\frac{1}{16}$	.....
25A/OG	25	3	A-19	"	Out. Ctd. Green(H)	.16	120	1000	3 $\frac{1}{16}$	.....
25A/OV	25	3	A-19	"	Out. Ctd. Ivory(H)	.16	120	1000	3 $\frac{1}{16}$	.....
25A/OR	25	3	A-19	"	Out. Ctd. Red(H)	.16	120	1000	3 $\frac{1}{16}$	.....
25A/R	25	2	A-19	"	Ins. Col. Red	.19	120	1000	3 $\frac{1}{16}$	.....
25A/B	25	2	A-19	"	Ins. Col. Blue	.19	120	1000	3 $\frac{1}{16}$	.....
25A/G	25	2	A-19	"	Ins. Col. Green	.19	120	1000	3 $\frac{1}{16}$	.....
25A/Y	25	2	A-19	"	Ins. Col. Yellow	.19	120	1000	3 $\frac{1}{16}$	.....
25A/AO	25	2	A-19	"	Ins. Col. Amb. Or.	.19	120	1000	3 $\frac{1}{16}$	.....
25A/FT	25	2	A-19	"	Ins. Col. Flametint	.19	120	1000	3 $\frac{1}{16}$	.....
25A/V	25	2	A-19	"	Ins. Col. Ivory	.19	120	1000	3 $\frac{1}{16}$	.....
25F/FT	25	3	F-15	"	Out. Ctd. Flametint(H) ..	.16	120	750	4 $\frac{1}{2}$	.....
25F/W	25	3	F-15	"	Out. Ctd. White(H)	.16	120	750	4 $\frac{1}{2}$	.....
25F/V	25	3	F-15	"	Out. Ctd. Ivory(H)	.16	120	750	4 $\frac{1}{2}$	.....
25G18 $\frac{1}{2}$ /W	25	3	G-18 $\frac{1}{2}$	"	Out. Ctd. White(H)	.30	120	750	3 $\frac{9}{16}$	.....
40G/W	40	3	G-25	"	Out. Ctd. White(H)	.35	60	750	4 $\frac{7}{16}$	.....
SIGN — APPLIANCE — INDICATOR										
6S6	6	2	S-6	Cand.	Clear	\$0.16	120	1500	1 $\frac{7}{8}$	.....
7 $\frac{1}{2}$ S/W	7 $\frac{1}{2}$	2	S-11	Med.	Out. Ctd. White(H)	.11	120	1400	2 $\frac{1}{4}$	.....
7 $\frac{1}{2}$ S/R	7 $\frac{1}{2}$	3	S-11	Med.	Out. Ctd. Red(H)	.11	120	1400	2 $\frac{1}{4}$	.....
10S14	10	2	S-14	"	Clear	.14	120	1500	3 $\frac{1}{2}$	2 $\frac{1}{2}$
10S14/IF	10	2	S-14	"	Inside Frosted	.14	120	1500	3 $\frac{1}{2}$	2 $\frac{1}{2}$
10S14/D	10	3	S-14	"	Daylight Clear	.30	120	1500	3 $\frac{1}{2}$	2 $\frac{1}{2}$
25A/D	25	1	A-19	"	Daylight Clear	.30	120	1000	3 $\frac{1}{16}$	2 $\frac{1}{2}$
TRAFFIC SIGNAL										
60A21/TS	60	2	A-21	Med.	Clear Traff. Sig.(C)	\$0.25	120	2000	4 $\frac{7}{16}$	2 $\frac{7}{16}$
67A21/40	67	4	A-21	"	Clear Traff. Sig.(C)	.30	120	3000	4 $\frac{7}{16}$	2 $\frac{7}{16}$
ROUGH & VIBRATION SERVICE										
50A/RS	50	2	A-19	Med.	I.F. Rough Service	\$0.25	120	1000	3 $\frac{1}{16}$	2 $\frac{1}{2}$
50A/VS	50	2	A-19	"	I.F. Vibration(R)	.20	120	1000	3 $\frac{1}{16}$	2 $\frac{1}{2}$
100A/RS	100	2	A-23	"	I.F. Rough Service	.35	120	1000	6 $\frac{1}{16}$	4 $\frac{3}{8}$
100A/23/28	100	2	A-23	"	I.F. Vibration(R)	.35	120	1000	6 $\frac{1}{16}$	4 $\frac{3}{8}$

(C) Burn base-down or horizontal.

(E) Life under specified test conditions.

(H) Outside-coated Light Bulbs not recommended for outdoor use.

(R) Not recommended for horizontal burning.

VOLTAGE CODES INCLUDING STANDARD								HIGH VOLTAGE CODES	
1	115, 120	4	120, 125	7	115, 125	10	110, 130	1	230, 250
2	115, 120, 125	5	115	8	110	11	105	2	250
3	120	6	125	9	130	12	115-125	3	230

SYLVANIA ELECTRIC

ORDERING ABBREVIATION (EXCEPT VOLTS)	WATTS	VOLTS CODE NO.	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(E) RATED AVE. LIFE (HOURS)	MAX. OVERALL LENGTH (INCHES)	AVE. LIGHT CENTER LENGTH (INCHES)
SHOWCASE										
25T6½	25	2	T-6½	Inter.	Clear	\$0.38	60	1000	5½	.....
25T10	25	2	T-10	Med.	Clear	.27	60	1000	5⅝	.....
25T10/IF	25	2	T-10	"	Inside Frosted	.30	60	1000	5⅝	.....
25T10/RFL	25	2	T-10	"	Reflector Lt. I.F.(K)	.65	60	1000	5⅝	.....
40T8	40	2	T-8	"	Clear	.95	24	1000	11⅞	.....
40T10	40	2	T-10	"	Clear	.33	60	1000	5⅝	.....
40T10/RFL	40	3	T-10	"	Reflector Lt. I.F.(K)	.65	60	1000	5⅝	.....
LUMILINE										
L30	30	2	T-8	Disc	Clear	\$.95	24	1500	17¾ (M)	.....
L30/IF	30	2	T-8	"	Inside Frosted	.95	24	1500	17¾ (M)	.....
L30/W	30	2	T-8	"	White	1.05	24	1500	17¾ (M)	.....
L30/ST	30	3	T-8	"	Straw	1.05	24	1500	17¾ (M)	.....
L40	40	2	T-8	"	Clear	.83	24	1500	11¾ (M)	.....
L40/IF	40	2	T-8	"	Inside Frosted	.83	24	1500	11¾ (M)	.....
L40/W	40	2	T-8	"	White	.93	24	1500	11¾ (M)	.....
L40/ST	40	3	T-8	"	Straw	.93	24	1500	11¾ (M)	.....
L60	60	2	T-8	"	Clear	.95	24	1500	17¾ (M)	.....
L60/IF	60	2	T-8	"	Inside Frosted	.95	24	1500	17¾ (M)	.....
L60/W	60	2	T-8	"	White	1.05	24	1500	17¾ (M)	.....
L60/ST	60	3	T-8	"	Straw	1.05	24	1500	17¾ (M)	.....
COMMERCIAL & HIGH WATTAGE										
100A/SB	100	2	A-23	Med.	I.F. Silvered Bowl(s)	\$0.28	120	750	6⅞	4¾
150/WB	150	2	PS-25	Med.	Ins. White Bowl(s)	.25	60	750	6⅞	5¼
150/DCL	150	2	PS-25	"	Daylight Clear(s)	.40	60	1000	6⅞	5¼
150/D	150	2	PS-25	"	I.F. Daylight(s)	.45	60	1000	6⅞	5¼
150/SB	150	2	PS-25	"	I.F. Silvered Bowl(T) (S)	.45	60	1000	6⅞	5¼
200	200	2, 10	PS-30	"	Clear(s)	.27	60	750	8⅞	6
200/IF	200	2, 10	PS-30	"	Inside Frosted(s)	.27	60	750	8⅞	6
200/WB	200	2	PS-30	"	Ins. White Bowl(s)	.32	60	750	8⅞	6
200/D	200	2	PS-30	"	Daylight Clear(s)	.70	60	1000	8⅞	6
200/DIF	200	2	PS-30	"	I.F. Daylight(s)	.75	60	1000	8⅞	6
200/SBIF	200	2	PS-30	"	I.F. Silvered Bowl(T) (B)	.67	60	1000	8⅞	6
300M	300	2	PS-30	"	Clear (750 hrs.) (S)	.40	60	750	8⅞	6
300M/IF	300	2	PS-30	"	I.F. (750 hrs.) (S)	.45	60	750	8⅞	6
300	300	2, 9	PS-35	Mog.	Clear (1000 hrs.) (S)	.65	24	1000	9⅞	7
300/IF	300	2, 9	PS-35	"	I.F. (1000 hrs.) (S)	.70	24	1000	9⅞	7
300/WB	300	2	PS-35	"	I.W.B. (1000 hrs.) (S)	.70	24	1000	9⅞	7
300/D	300	4	PS-35	"	Daylight Clear(s)	1.10	24	1000	9⅞	7
300/SBIF	300	2	PS-35	"	I.F. Silvered Bowl(T) (B)	1.20	24	1000	9⅞	7
500	500	2, 8	PS-40	"	Clear(z)	.95	24	1000	9¾	7
500/IF	500	2	PS-40	"	Inside Frosted(z)	1.00	24	1000	9¾	7
500/WB	500	3	PS-40	"	Ins. White Bowl(z)	1.00	24	1000	9¾	7
500/D	500	3	PS-40	"	Daylight Clear(z)	1.85	24	1000	9¾	7
500/SBIF	500	2	PS-40	"	I.F. Silvered Bowl(T) (B)	1.70	24	1000	9¾	7
750	750	2	PS-52	"	Clear(z)	2.90	6	1000	13⅞	9½
750/IF	750	2	PS-52	"	Inside Frosted(z)	3.05	6	1000	13⅞	9½
1000	1000	2	PS-52	"	Clear(z)	3.10	6	1000	13⅞	9½
1000/IF	1000	2	PS-52	"	Inside Frosted(z)	3.30	6	1000	13⅞	9½
1500	1500	2, 8 & 11	PS-52	"	Clear(z)	4.75	6	1000	13⅞	9½

(B) Burn base-up.

(E) Life under specified test conditions.

(K) Medium screw base with spring contact. M. O. L. is exclusive of spring contact.

(M) Average overall length.

(S) Will operate in any position, but lumen maintenance is best when burned vertically, base-up; and lumens per watt values at 70% of rated life, (when shown) apply to this position only.

(T) Silvered bowl Light Bulbs should be used only in porcelain sockets and in fixtures so designed that the temperature of the light bulb and fixture do not exceed limits for satisfactory operation.

(Z) Recommended burning position, any within 60° of vertically base-up or base-down. But lumen maintenance is best when burned vertically base-up; and lumens per watt values at 70% of rated life (when shown) apply to this burning position only.

SYLVANIA



ELECTRIC

ORDERING ABBREVIATION (EXCEPT VOLTS)	WATTS	VOLTS CODE NO.	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(E) RATED AVE. LIFE (HOURS)	MAX. OVERALL LENGTH (INCHES)	AVE. LIGHT CENTER LENGTH (INCHES)
HIGH VOLTAGE SERVICE										
25A	25	1	A-19	Med.	Inside Frosted	\$0.16	120	1000	3 1/8	2 1/2
50A	50	1	A-19	"	Inside Frosted	.16	120	1000	3 1/8	2 1/2
100A	100	1	A-23	"	Inside Frosted (s)	.24	120	1000	6 1/8	4 3/8
200	200	1	PS-30	"	Clear (s)	.50	60	1000	8 1/8	6
200/IF	200	1	PS-30	"	Inside Frosted (s)	.55	60	1000	8 1/8	6
300	300	1	PS-35	Mog.	Clear (s)	.85	24	1000	9 3/8	7
500	500	1	PS-40	"	Clear (z)	1.40	24	1000	9 3/4	7
750	750	1	PS-52	"	Clear (z)	3.50	6	1000	13 1/8	9 1/2
1000	1000	1	PS-52	"	Clear (z)	3.75	6	1000	13 1/8	9 1/2

INFRARED

250R40/4/NR	250	12	R-40	Med. Sk. Mech.	Refl. Infrared—Ruby	\$3.60 (T)	24	In Excess of 5000 Hours	6 1/2	.....
250R40/1	250	12	R-40 (F)	Med.	Refl. Infrared—Heat	1.10 (T)	12		7 1/4	.....

STREET SERIES SERVICE

All Sylvania Street Series Lamps are gas-filled, have clear bulbs and are fitted with mogul screw base. All standard Sylvania Street Series Lamps have an average rated life of 2000 hours. Because of the severity of street lighting service, the average service life of street series lamps, even under good operating conditions, is of the order of 25% less than the average laboratory life.

ORDERING ABBREVIATION	RATED INITIAL LUMENS	AMPS.	BULB	LIST PRICE	STD. PKG. QTY.	MAX. OVERALL LENGTH (INCHES)	AVR. LIGHT CENTER LENGTH (INCHES)	POSITION OF BURNING
600/66	600	6.6	PS-25	\$0.45	60	7 1/8	5 3/8	Any (s)
1M/66	1000	6.6	PS-25	.40	60	7 1/8	5 3/8	Any (s)
2500/66	2500	6.6	PS-35	.80	24	9 3/8	7	Any (s)
4M/66	4000	6.6	PS-35	.95	24	9 3/8	7	Any (s)
4M/15BU	4000	15.0	PS-35	1.05	24	9 3/8	7	Base Up
4M/15BD	4000	15.0	PS-35	1.05	24	9 3/8	6 1/4	Base Down
6M/66	6000	6.6	PS-40	1.35	12	9 3/4	7	Any (s)
6M/20BU	6000	20.0	PS-40	1.45	12	9 3/4	7	Base Up
6M/20BD	6000	20.0	PS-40	1.45	12	9 3/4	6 1/4	Base Down
10M/20BU	10000	20.0	PS-40	1.85	12	9 3/4	7	Base Up
10M/20BD	10000	20.0	PS-40	1.85	12	9 3/4	6 1/4	Base Down
15M/20BU	15000	20.0	PS-40	2.55	12	9 3/4	7	Base Up
15M/20BD	15000	20.0	PS-40	2.55	12	9 3/4	6 1/4	Base Down

ORDERING ABBREVIATION (EXCEPT VOLTS)	WATTS	VOLTS	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(E) RATED AVE. LIFE (HOURS)	MAX. OVERALL LENGTH (INCHES)	AVE. LIGHT CENTER LENGTH (INCHES)
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COUNTRY HOME SERVICE — (30 VOLTS ONLY)

15A	15	30 volts	A-17	Med.	Inside Frosted (s)	\$0.20	120	1000	3 3/8	2 3/8
25A	25	30 volts	A-19	"	Inside Frosted (s)	.20	120	1000	3 1/8	2 1/2
50A21	50	30 volts	A-21	"	Inside Frosted (s)	.20	120	1000	4 1/8	3 3/8
100A	100	30 volts	A-23	"	Inside Frosted (s)	.33	120	1000	6 1/8	4 3/8

(E) Life under specified test conditions.

(F) Not recommended for industrial use. Designed for intermittent burning only.

(S) Will operate in any position, but lumen maintenance is best when burned vertically, base-up; and lumens per watt values at 70% of rated life, (when shown) apply to this position only.

(T) LAMPS DESIGNED FOR USE OTHER THAN ILLUMINATION ARE NOT SUBJECT TO FEDERAL EXCISE TAX.

(Z) Silvered bowl Light Bulbs should be used only in porcelain sockets and in fixtures so designed that the temperature of the light bulb and fixture do not exceed limits for satisfactory operation.

(Z) Recommended burning position, any within 60° of vertically base-up or base-down. But lumen maintenance is best when burned vertically base-up; and lumens per watt values at 70% of rated life (when shown) apply to this burning position only.

VOLTAGE CODES INCLUDING STANDARD						HIGH VOLTAGE CODES	
1	115, 120	4	120, 125	7	115, 125	10	110, 130
2	115, 120, 125	5	115	8	110	11	105
3	120	6	125	9	130	12	115-125
						1	230, 250
						2	250
						3	230

SYLVANIA



ELECTRIC

LOW VOLTAGE BATTERY SERVICE (6 VOLTS ONLY)

ORDERING ABBREVIATION (EXCEPT VOLTS)	WATTS	VOLTS	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(E) RATED AVE. LIFE (HOURS)	MAX. OVERALL LENGTH (INCHES)	AVE. LIGHT CENTER LENGTH (INCHES)
5S14	5	6 volts	S-14	Med.	Clear	\$0.40	120	1000	3 1/2	2 1/2
10S14	10	6 volts	S-14	"	Clear	.40	120	1000	3 1/2	.....
15A	15	6 volts	A-17	"	Inside Frosted	.25	120	1000	3 5/8	2 3/8
25A	25	6 volts	A-19	"	Inside Frosted	.25	120	1000	3 1/8	2 1/2
50A21	50	6 volts	A-21	"	Inside Frosted	.35	120	1000	4 1/8	3 3/8

ORDERING ABBREVIATION (EXCEPT VOLTS)	WATTS	VOLTS CODE NO.	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(E) RATED AVE. LIFE (HOURS)	MAX. OVERALL LENGTH (INCHES)	AVE. LIGHT CENTER LENGTH (INCHES)
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SYLVANIA SUPERLITE

15A/W	15	3	A-15	Med.	Superlite	\$0.16	120	1200	3 1/2	
25A/W	25	3	A-19	"	Superlite	.16	120	1000	3 1/8	
40A/W	40	3	A-19	"	Superlite	.16	120	1000	4 1/4	.....
50A/W	50	3	A-19	"	Superlite	.16	120	1000	4 7/8	.....
60A/W	60	3	A-19	"	Superlite	.16	120	1000	4 7/8	.....
75A/W	75	3	A-21	"	Superlite	.20	120	750	5 1/8	.....
100A/W	100	3	A-21	"	Superlite	.20	120	750	5 1/8	.....
150/W	150	3	PS-25	"	Superlite	.30	60	750	6 1/8	.....
200/W	200	3	PS-30	"	Superlite	.40	60	750	8 1/8	.....

SYLVANIA BIRDSEYE DIRECT (Downlite)

B60A21	60	3	A-21	Med.	Neck Reflector	\$0.38	120	1000	4 1/8	.....
B100PS30	100	3	PS-30	"	Neck Reflector	.60	24	1000	8 1/8	.....
B150PS30	150	3	PS-30	"	Neck Reflector	.72	24	1000	8 1/8	.....
B200PS35	200	3	PS-35	"	Neck Reflector	.88	24	1000	8 3/4	.....
B300MS/PS40	300	3	PS-40	Med. Skt.	Neck Reflector	1.55	12	1000	10 1/4	.....
B300PS40	300	3	PS-40	Mog.	Neck Reflector	1.55	12	1000	9 3/4	.....
B500PS52	500	3	PS-52	"	Neck Reflector	3.85	6	1000	13 1/8	.....
B750PS60	750	3	PS-60	"	Neck Reflector	5.25	6	1000	14 3/8	.....
B1M/PS60	1000	3	PS-60	"	Neck Reflector	6.15	6	1000	14 3/8	.....

SYLVANIA BIRDSEYE INDIRECT (Silver Bowl, Inside Frosted)

60A/SB	60	2	A-19	Med.	Silver Bowl	\$0.24	120	1000	4 7/8	.....
100A/SB	100	2	A-23	"	Silver Bowl	.28	120	750	6 1/8	.....
150/SB	150	2	PS-25	"	Silver Bowl(BB)	.45	60	1000	6 1/8	.....
200/SBIF	200	2	PS-30	"	Silver Bowl(BB)	.67	60	1000	8 1/8	.....
300MS/SBIF	300	2	PS-35	Med. Skt.	Silver Bowl(BB)	1.20	24	1000	9 7/8	.....
300/SBIF	300	2	PS-35	Mog.	Silver Bowl(BB)	1.20	24	1000	9 3/8	.....
500/SBIF	500	2	PS-40	"	Silver Bowl(BB)	1.70	12	1000	9 3/4	.....
750/SBIF	750	2	PS-52	"	Silver Bowl(BB)	4.75	6	1000	13 1/8	.....
1M/SBIF	1000	2	PS-52	"	Silver Bowl(BB)	5.00	6	1000	13 1/8	.....

SYLVANIA BIRDSEYE CONCENTRATOR (Downlite)

B100PS30/CON	100	3	PS-30	Med.	Neck Refl. Con.	\$0.85	24	1000	8 1/8	.....
B150PS30/CON	150	3	PS-30	"	Neck Refl. Con.	.95	24	1000	8 1/8	.....
B200PS35/CON	200	3	PS-35	"	Neck Refl. Con.	1.15	24	1000	8 3/4	.....
B300PS40MS/CON	300	3	PS-40	Med. Skt.	Neck Refl. Con.	1.60	12	1000	10 1/4	.....
B300PS40/CON	300	3	PS-40	Mog.	Neck Refl. Con.	1.60	12	1000	9 3/4	.....
B500PS52/CON	500	3	PS-52	"	Neck Refl. Con.	4.25	6	1000	13 1/8	.....

SYLVANIA BIRDSEYE REFLECTOR SHOWCASE

25T10/RFL	25	2	T-10	Med.	Side Reflector	.65	60	1000	5 5/8 (A)	.....
40T10/RFL	40	2	T-10	"	Side Reflector	.65	60	1000	5 5/8 (A)	.....

- (A) MOL is exclusive of spring contact base.
 (BB) Burn base up in porcelain sockets.
 (E) Life under specified test conditions.

SYLVANIA ELECTRIC

ORDERING ABBREVIATION (EXCEPT VOLTS)	WATTS	VOLTS CODE NO.	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(E) RATED AVE. LIFE (HOURS)	MAX. OVERALL LENGTH (INCHES)	AVE. LIGHT CENTER LENGTH (INCHES)
SYLVANIA BIRDSEYE INTENSIFYING SPOTLITE										
B75BR32½/IF	75	3	BR-32½	Med.	Reflector Spot—I.F.	\$1.00	24	1000	7	.....
B100BR40/IF	100	3	BR-40	"	Reflector Spot—I.F.	1.10	12	1000	8¼	.....
B100BR40/CL	100	3	BR-40	"	Reflector Spot—CL.	1.10	12	1000	8¼	.....
B150BR40/IF	150	3	BR-40	"	Reflector Spot—I.F.	1.35	12	1000	8¼	.....
B150BR40/CL	150	3	BR-40	"	Reflector Spot—CL.	1.35	12	1000	8¼	.....
B200BR40/IF	200	3	BR-40	"	Reflector Spot—I.F.	1.65	12	1000	8¼	.....
B200BR40/CL	200	3	BR-40	"	Reflector Spot—CL.	1.65	12	1000	8¼	.....
B300BR40/IF	300	3	BR-40	Med. Skt.	Reflector Spot—I.F.	2.50	12	1000	9⅝	.....
B300BR40/CL	300	3	BR-40	" "	Reflector Spot—CL.	2.50	12	1000	9⅝	.....
B500BR59/IF	500	3	BR-59	Mog.	Reflector Spot—I.F.	5.25	6	1000	11⅞	.....
SYLVANIA BIRDSEYE SUPER SPOTLITE										
100R/SP	100	2	R-40	Med.	Reflector Spot—I.F.	\$1.10	24	1000	6½	.....
150R/SP	150	2	R-40	"	Reflector Spot—I.F.	1.05	24	1000	6½	.....
200R/SP	200	2	R-40	"	Reflector Spot—I.F.(†)	1.20	24	1000	6½	.....
300R/SP	300	2	R-40	"	Reflector Spot—I.F.(†)	1.55	24	1000	6½	.....
SYLVANIA BIRDSEYE FLOODLITE										
100R/FL	100	2	R-40	Med.	Reflector Flood—I.F.	\$1.10	24	1000	6½	.....
150R/FL	150	2	R-40	"	Reflector Flood—I.F.	1.05	24	1000	6½	.....
200R/FL	200	2	R-40	"	Reflector Flood—I.F.(†)	1.20	24	1000	6½	.....
300R/FL	300	2	R-40	"	Reflector Flood—I.F.(†)	1.55	24	1000	6½	.....
SYLVANIA BIRDSEYE PROJECTOR SPOTLITE										
150PAR/SP	150	2	PAR-38*	Med. Skt.	Projector Spot(w)(†)	\$1.55	12	1000	5⅝	.....
SYLVANIA BIRDSEYE PROJECTOR FLOODLITE										
150PAR/FL	150	2	PAR-38*	Med. Skt.	Projector Flood(w)(†)	\$1.55	12	1000	5⅝	.....
SYLVANIA BIRDSEYE HOUSEHOLD INFRARED (Reflector)										
250R40/1	250	12	R-40	Med.	Refl. Infrared Heat(γ)(τ) ..	\$1.10	12	In Excess of 5000 Hours	6½	.....
250R40/4NR	250	12	R-40	Med. Skt.	Refl. Infrared Ruby(τ)	3.60	24		7¼	.....

GERMICIDAL LAMPS

For use only with specially designed auxiliary equipment to produce proper electrical values.

ORDERING ABBREVIATION	(A) APPROX. LAMP WATTS	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	BURNING HOURS PER START	(B) RATED AVERAGE LIFE HOURS	APPROX. INITIAL LUMENS	APPROX. INITIAL L.P.W.
G15T8/A	15	18" T8	Med. Bipin	Germicidal (E) ..	\$4.50	24	.....	2500 (G)	.....	.....
G15T8/B	15	"	"	Germicidal (F) ..	4.50	24	.....	2500 (G)	.....	.....
G30T8/A	30	36" T8	"	Germicidal (E) ..	6.75	24	.....	2500 (G)	.....	.....
G30T8/B	30	"	"	Germicidal (F) ..	6.75	24	.....	2500 (G)	.....	.....

(†) Burn only in porcelain sockets.

(★) Heat resisting Glass Bulb.

(A) For Total Add Auxiliary Watts.

(B) Life under specified test conditions. This includes such factors as operation on AC circuits at rated voltage, the use of starters and ballasts of proper design, and an average operating period of three hours burning for each start. If approved types of starters or equivalent are eliminated and the lamps started by high voltage alone (started without preheating the cathodes) lamp life will be reduced to each start. Quite often this will result in approximately one-half normal lamp life.

(E)

(F)

(G)

(T)

(W)

(Y)

Rated average life for operation on DC circuits with suitable reversing switch for changing polarity with each lamp start is 80% of the "3 hours burning per start" rated value for AC circuits.

Life under specified test conditions.

(F) Provides ample germicidal U.V. with a small amount of ozone for use where that gas in small quantities may be desirable.

(G) For continuous operation, the rated life is 4000 hours.

(T) LAMPS DESIGNED FOR USE OTHER THAN ILLUMINATION ARE NOT

SUBJECT TO FEDERAL EXCISE TAX.

(W) PAR 38 Light Bulbs are suitable for both indoor and outdoor burning.

(Y) Designed for intermittent use in household applications.

VOLTAGE CODES INCLUDING STANDARD

HIGH VOLTAGE CODES

1	115, 120	4	120, 125	7	115, 125	10	110, 130	1	230, 250
2	115, 120, 125	5	115	8	110	11	105	2	250
3	120	6	125	9	130	12	115-125	3	230

SYLVANIA ELECTRIC

FLUORESCENT LAMPS

For use only with specially designed auxiliary equipment to produce proper electrical values.

ORDERING ABBREVIATION	(A) APPROX. LAMP WATTS	BULB	BASE	FINISH, COLOR OR OTHER DESCRIPTION	LIST PRICE	STD. PKG. QUAN.	(B) BURNING HOURS PER START	(B) RATED AVERAGE LIFE HOURS	(D) APPROX. INITIAL LUMENS	(D) APPROX. INITIAL L.P.W.
F6T5/D	6	9"T5	Min. Bipin	Daylight	\$0.75	24	3	2500	185	31
F6T5/W	6	"	"	White (c)	.75	24	3	2500	210	35
F6T5/45W	6	"	"	4500° White	.75	24	3	2500	200	33
F8T5/D	8	12"T5	"	Daylight	.85	24	3	2500	295	37
F8T5/W	8	"	"	White (c)	.85	24	3	2500	330	41
F8T5/45W	8	"	"	4500° White	.85	24	3	2500	310	39
F13T5/D	13	21"T5	"	Daylight	.95	24	3	2500	490	38
F13T5/W	13	"	"	White (c)	.95	24	3	2500	580	45
F13T5/45W	13	"	"	4500° White	.95	24	3	2500	550	42
F14T12/D	14	15"T12	Med. Bipin	Daylight	.75	24	3	2500	405	29
F14T12/W	14	"	"	White (c)	.75	24	3	2500	490	35
F14T12/SW	14	"	"	Soft White	.85	24	3	2500	350	25
F14T12/45W	14	"	"	4500° White	.75	24	3	2000	460	33
F15T8/D	15	18"T8	"	Daylight	.62	24	(K)	(K)	525	35
F15T8/W	15	"	"	White (c)	.62	24	(K)	(K)	630	42
F15T8/SW	15	"	"	Soft White	.72	24	(K)	(K)	495	33
F15T8/45W	15	"	"	4500° White	.62	24	(K)	(K)	570	38
F15T12/D	15	18"T12	"	Daylight	.75	24	(K)	(K)	495	33
F15T12/W	15	"	"	White (c)	.75	24	(K)	(K)	600	40
F15T12/SW	15	"	"	Soft White	.85	24	(K)	(K)	480	32
F15T12/45W	15	"	"	4500° White	.75	24	(K)	(K)	570	38
F20T12/D	20	24"T12	"	Daylight	.75	24	(K)	(K)	800	40
F20T12/W	20	"	"	White (c)	.75	24	(K)	(K)	960	48
F20T12/SW	20	"	"	Soft White	.85	24	(K)	(K)	740	37
F20T12/45W	20	"	"	4500° White	.75	24	(K)	(K)	860	43
F30T8/D	30	36"T8	"	Daylight	.75	24	(K)	(K)	1350	45
F30T8/W	30	"	"	White (c)	.75	24	(K)	(K)	1500	50
F30T8/SW	30	"	"	Soft White	.85	24	(K)	(K)	1170	39
F30T8/45W	30	"	"	4500° White	.75	24	(K)	(K)	1380	46
F40T12/D	40	48"T12	"	Daylight	1.00	24	(K)	(K)	2000	50
F40T12/W	40	"	"	White (c)	1.00	24	(K)	(K)	2320	58
F40T12/SW	40	"	"	Soft White	1.15	24	(K)	(K)	1800	45
F40T12/45W	40	"	"	4500° White	1.00	24	(K)	(K)	2120	53
F40T12/D/IS/H	40	48"T12	"	Daylight (M)	1.20	24	3	2500	2000	50
F40T12/W/IS/H	40	"	"	White (c) (M)	1.20	24	3	2500	2320	58
F40T12/45W/IS/H	40	"	"	4500° White (M)	1.20	24	3	2500	2120	53
F100T17/D	100	60"T17	Mog. Bipin	Daylight	2.30	12	(L)	(L)	3900	39
F100T17/W	100	"	"	White (c)	2.30	12	(L)	(L)	4400	44
F100T17/SW	100	"	"	Soft White	2.50	12	(L)	(L)	3400	34
F100T17/45W	100	"	"	4500° White	2.30	12	(L)	(L)	4000	40
15WT8: Blue (F15T8/B) Green (F15T8/G) Pink (F15T8/PK) \$0.77						Gold (F15T8/GO) Red (F15T8/R) \$0.87				
20WT12: Blue (F20T12/B) Green (F20T12/G) Pink (F20T12/PK) .90						Gold (F20T12/GO) Red (F20T12/R) 1.00				
30WT8: Blue (F30T8/B) Green (F30T8/G) Pink (F30T8/PK) .90						Gold (F30T8/GO) Red (F30T8/R) 1.00				
40WT12: Blue (F40T12/B) Green (F40T12/G) Pink (F40T12/PK) 1.25						Gold (F40T12/GO) Red (F40T12/R) 1.35				

(A) For total add auxiliary watts.

(B) Life under specified test conditions. This includes such factors as operation on AC circuits at rated voltage, the use of starters and ballasts of proper design, and an average operating period of three hours burning for each start. If approved types of starters or equivalent are eliminated and the lamps started by high voltage alone (started without preheating the cathodes) lamp life will be reduced to each start. Quite often this will result in approximately one-half normal lamp life. Rated average life for operation on DC circuits with suitable reversing switch for changing polarity with each lamp start is 80% of the "3 hours burning per start" rated value for AC circuits.

(C) Color temperature, 3500° K.

(D) Approximate lumens and lumens per watt when measured at 80° F. ambient and under specified test conditions. Initial values apply at the end of 100 hours of operation.

(K) For 3, 6 or 12 burning hours per start the rated average life is 2500, 4000 and 6000 hours respectively under specified test conditions.

(L) For 3, 6 or 12 burning hours per start the rated average life is 3000, 4500 and 6500 hours respectively under specified test conditions.

(M) For operation on instant start circuits—special silycote treatment facilitates operation under all humidity conditions.

SYLVANIA



ELECTRIC

**For
spot beam with
soft edges**



**SYLVANIA ELECTRIC
Birdseye Spotlight**

throws a fairly concentrated light beam that

feathers away in soft diffusion—excellent for primary lighting before training of Sylvania's Super Spot on special items.

Sylvania Reflector Lamps have a brilliant reflecting surface—hermetically sealed-in for protection against dimming by dust.

**For
background
illumination**



**SYLVANIA ELECTRIC
Birdseye Concentrator**

can be widely used in combination with the

Spotlites for essential background lighting of window displays.

Focal filament placement of all Sylvania Birdseye Reflector Lamps, at the exact optically correct point, assures efficient concentration of light beams where desired.

**For
spotlighting
special items**

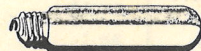


**SYLVANIA ELECTRIC
Birdseye Super Spot**

is designed to provide a highly concentrated beam

especially useful in highlighting a single object in a display. It may be used individually in store windows or interior displays, or it may be used in groups or lines to illuminate counters and larger display pieces. Made in 4 sizes from 100 to 300 watts inclusive.

**For
cove lighting**

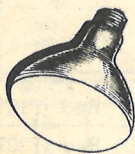


**SYLVANIA ELECTRIC
Birdseye Tubular**

lamps are designed for high-intensity local light-

ing. They contain internal reflectors, use special bulbs with light frosting, and are equipped with special spring contact bases to allow light to be directed exactly where needed. Ideal for show-case lighting, too.

**For
general window
illumination**



**SYLVANIA ELECTRIC
Birdseye Floodlite**

has a heavily frosted bulb which provides the wider

beam so perfect for all-over window illumination. The inside-sealed reflectors on Sylvania Birdseye Lamps give higher levels of illumination . . . more light on merchandise without increase in lighting current.

**For
General
Soft Illumination**



**SYLVANIA ELECTRIC
Superlite**

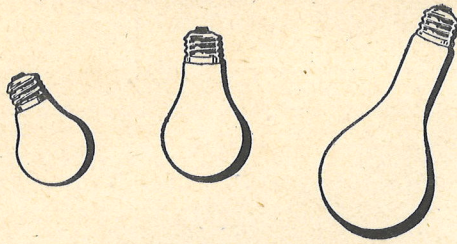
Decorative, restful, glare-reducing bulbs, suitable

for use in open (unshaded) fixtures. A highly satisfactory bulb wherever comfort rather than light output is of first importance.

SYLVANIA

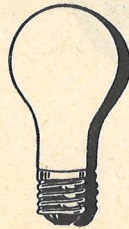


ELECTRIC



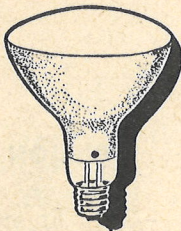
GENERAL LIGHTING SERVICE

Standard inside frosted Sylvania Light Bulbs, known to the trade as the "A" line. Their low price, long life and multiplicity of uses have brought them wide spread acceptance for household and general purposes.



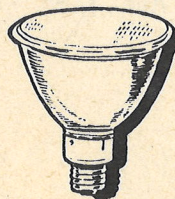
THREE LIGHT

Requiring special sockets, Sylvania Three-Light Bulbs are widely used in I.E.S. type table and bridge lamps. A simple turn of the switch brings three degrees of illumination — low, medium or high.



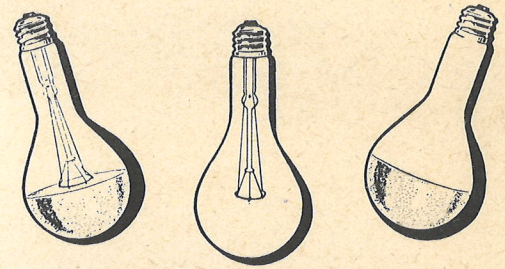
REFLECTOR (R40)

This Sylvania Light Bulb serves as its own reflector. Suitable for indoor use, where high levels of illumination over small areas are required, as in store windows, store interiors, theatres; and for industrial spotlighting. Must be protected from the weather.



PROJECTOR

For spotlighting and floodlighting out-of-doors. Inbuilt reflector bulbs, made of special hard glass, which will withstand rain, snow, and variations in weather conditions.



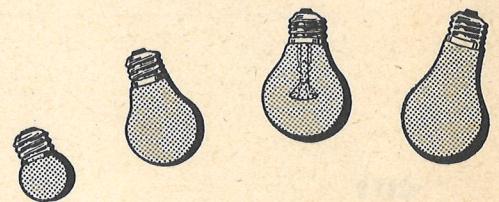
COMMERCIAL AND INDUSTRIAL LIGHTING

For commercial and industrial lighting these large Sylvania Light Bulbs should be used in properly designed fixtures.

Inside white bowl Sylvania Light Bulbs are particularly adapted for industrial lighting when used with standard RLM reflectors, which direct their light down on a specific area.

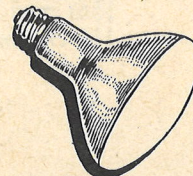
Silvered Bowl Sylvania Light Bulbs find their place in indirect fixtures, popular in office buildings, banks and similar places, where they provide totally indirect illumination in fixtures designed particularly for their use.

150-watts and up, should be burned base up only in properly designed sockets, usually porcelain, because of the higher operating temperatures.



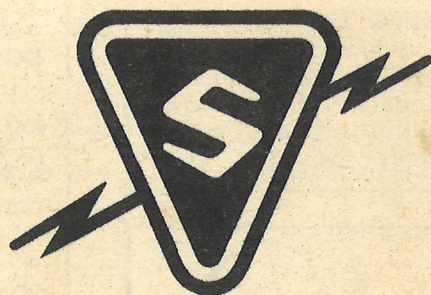
COLORS Sylvania LIGHT BULBS

Inside colored and outside coated Sylvania Light Bulbs are used industrially for signals and indicators; commercially, for exits, signs and display. Household usage is largely decorative.



HOUSEHOLD INFRARED

This handy and versatile household Infrared Heat lamp has a 101 usages around the home, garage and workshop. Designed with a built-in reflector and screws into an ordinary light bulb socket.



SALES OFFICES

CITY	STREET	TELEPHONE	DIVISION MANAGER
Atlanta, Ga.	The William Oliver Bldg.	Jackson 3015-6	H. Saussy
Boston, Mass.	10 Post Office Square	Hubbard 3730	C. H. Emerson
Buffalo, N. Y.	421 Jackson Bldg.	Washington 0418	R. P. Connors
Chicago, Ill.	Opera Bldg., 20 N. Wacker Dr.	Franklin 4512	G. W. Field
Cleveland, Ohio	797 Union Commerce Bldg.	Cherry 4100	R. E. Niedringhaus
Detroit, Mich.	613 Boulevard Bldg.	Trinity 1-7660	A. G. Holl
Kansas City, Mo.	2109-11 Broadway	Victor 5565	J. C. Hicks
Los Angeles, Cal.	210 West 7th St.	Michigan 3145	J. T. Burdick
New York, N. Y.	500 Fifth Avenue	Wisconsin 7-9500	J. B. Muller
Philadelphia, Pa.	1120 Lincoln-Liberty Bldg.	Rittenhouse 6-4862	H. J. Martin
Seattle, Wash.	941 White-Henry-Stuart Bldg.	Elliott 7122-7123	C. A. Dickinson
Washington, D. C.	15th and New York Ave., N.W.	Republic 7733	G. D. Rand
San Francisco, Cal.	111 Sutter St.	Garfield 1846	Geo. Sommers, West Coast Sales Mgr.