

SPECIALTY LAMPS



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HOW TO READ A SPECIALTY LAMP TABLE

CoverShield Metal Halide

ED28	Mog.	250	108604	6,9,12,13,14,15	MH250/U/CSTF	Clear PFA	1/12	M58/E	4000	21800	10000	8.25"
ED37	Mog.	400	108600	6,8,9,12,13,14,15	MH400/U/CSTF	Clear PFA	1/6	M59/E	4000	36000	20000	11.50"
	EX39	400	60502	7,8,9,10,11,15	MP400/BU/CSTF	Clear Base Up PFA	1/6	M59/O	4000	36000	20000	11.50"

ANSI Code	Bulb	Base	Watts	Volts	Pkg. Qty.	Avg. Life	Filament	Lumens	Color Temp.	Operating Position
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Haleco Photo/Projection/SSTV

ETH	Frosted/T4	E11	150	120	1/10	2000	CC-8	2700	2900	U
*EVW	MR16	GY5.3	250	82	1/10	50	CC-8	-	3300	BDTH
*EXR	MR13	GX5.3	300	82	1/10	35	CC-8	-	3350	BDTH

ANSI CODE
The specific electrical characteristics of a lamp.

BASE
Indicates base type. Full base descriptions and illustrations can be found on page 166.

VOLTS
Indicates the product's design voltage of operation.

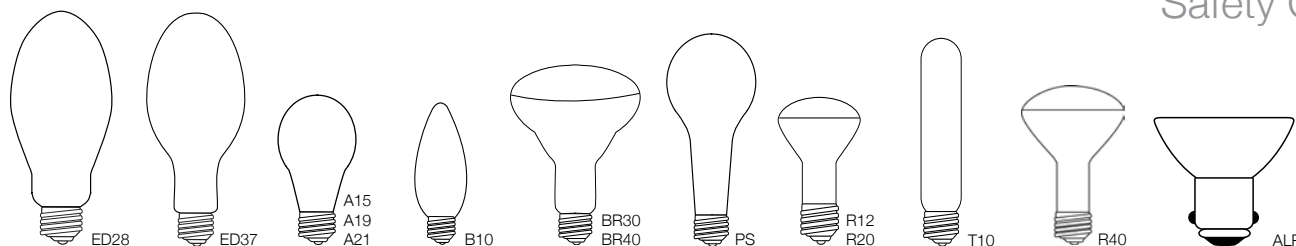
FILAMENT
Filament types are illustrated on page 166.

OPERATING POSITION
Indicates the approved operating position of a lamp.

LUMENS
The lamp's average light output at 40% of rated life.

SPECIALTY LAMPS

Safety Coated



Bulb	Base	Watts	Product Number	Footnotes	Product Code	Description	Pkg. Qty.	ANSI	Color Temp.	Lumens	Avg. Life	MOL
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CoverShield Metal Halide

ED28	Mog.	250	108604	6,9,12,13,14,15	MH250/U/CSTF	Clear PFA	1/12	M58/E	4000	21800	10000	8.25"
ED37	Mog.	400	108600	6,8,9,12,13,14,15	MH400/U/CSTF	Clear PFA	1/6	M59/E	4000	36000	20000	11.50"
	EX39	400	60502	7,8,9,10,11,15	MP400/BU/CSTF	Clear Base Up PFA	1/6	M59/O	4000	36000	20000	11.50"

Bulb	Base	Watts	Product Number	Footnotes	Product Code	Description	Pkg. Qty.	Lumens	Avg. Life	MOL
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CoverShield Incandescent

A15	Med.	40	90300		A15CL40/CSTF	Clear PFA	20/120	300	3000	3.50"
		40	6146		A15RS40/CS	Clear	20/120	300	1500	3.50"
		60	6147		A15RS60/CS	Clear	20/120	500	1500	3.50"
A19	Med.	25	101124		A19RS25/CS	Clear	20/120	160	2000	4.25"
		40	101125		A19RS40/CS	Clear	20/120	300	2000	4.25"
		60	6141		A19RS60/CS	Clear	20/120	500	2500	4.25"
		75	6142		A19RS75/CS	Clear	20/120	680	2000	4.25"
		100	6143		A19RS100/CS	Clear	20/120	960	2500	4.25"
A21	Med.	100	6041		A21RS100/P5/CS	Clear	12/60	800	5000	5.00"
		150	6043		A21RS150/P5/CS	Clear	1/60	1300	5000	5.00"
B10	Med.	40	102148	16	ETC40/CS	Clear	25/500	370	3000	3.87"
		60	102146	16	ETC60/CS	Clear	25/500	650	3000	3.87"
BR30	Med.	65	404051	18	BR30FL65/CS	Flood	1/24	580	5000	5.37"
BR40	Med.	120	404065	18	BR40FL120/5/CS	Flood	1/24	1200	5000	6.56"
		125	90320		BR40CL125/1/CSTF	Clear Heat PFA	1/12	-	6000	6.56"
		250	404066	18,20,22	BR40CL250/1/CSTF	Clear Heat PFA	1/12	-	5000	6.56"
PS25	Med.	150	401345	17	PS25CL150/P5/CS	Clear	1/60	1300	5000	6.93"
		200	401347	17	PS25CL200/P5/CS	Clear	1/60	2000	5000	6.93"
R12	BA15s	20	1383/CS		1383/CS	S.C. Bayonet 13V	10/1000	-	300	2.60"
R20	Med.	30	10102		R20FL30/CS	Flood	10/100	140	3000	3.93"
		50	104016		R20FL50/CS	Flood	10/100	210	2000	4.80"
R40	Med.	250	404071	18,20,21	R40RED250/10/CSTF	Red Heat PFA	1/12	-	5000	6.56"
		375	104050	15,18,19,20,21	R40CL375/CSTF	Clear Heat PFA	1/12	-	5000	6.56"
T10	Med.	40	106228		T10CL40/CS	Clear	25/200	280	2500	5.00"

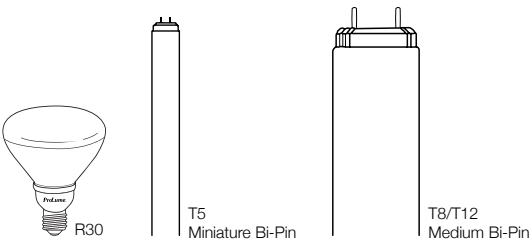
CoverShield Halogen

ALR	BA15d	20	90351		GBF/CS	Flood Frosted 12V	1/50	750cp	2000	1.46"
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Specialty lamp symbols, footnotes and abbreviations are located on pages 167-168.

SPECIALTY LAMPS

Safety Coated

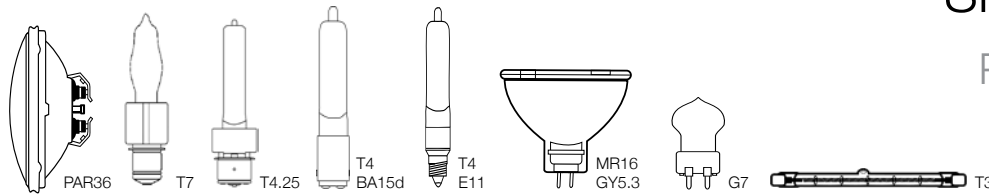


Bulb	Base	Watts	Product Number	Footnotes	Product Code	Description	Pkg. Qty.	ANSI	Color Temp.	Lumens	Avg. Life	MOL
CoverShield Compact Fluorescent												
R30	Med.	16	46106	X 1,2,4	CFL16/50/R30/CS	Natural White Flood	6/24	5000	82	750	8000	5.56"
CoverShield Linear Fluorescent												
T5	Min. Bi-Pin	28	90015	X   4,5	F28T5/835/ECO/IC/CS	835 Phosphor	25	3500	86	2900	24000	46"
		28	90016	X   4,5	F28T5/841/ECO/IC/CS	841 Phosphor	25	4100	86	2900	24000	46"
		54	90051	  4,5	F54T5/835/HO/ECO/IC/CS	835 Phosphor High Output	25	3500	86	5000	24000	46"
		54	90052	  4,5	F54T5/841/HO/ECO/IC/CS	841 Phosphor High Output	25	4100	86	5000	24000	46"
		54	90053	  4,5	F54T5/850/HO/ECO/IC/CS	850 Phosphor High Output	25	5000	86	5000	24000	46"
T8	Med. Bi-Pin	28	90081	X   4	F28T8/835/ECO/IC/CS	835 Phosphor	25	3500	86	2800	24000	48"
		32	90084	  4	F32T8/735/ECO/CS	735 Phosphor	25	3500	78	2850	24000	48"
		32	90085	  4	F32T8/741/ECO/CS	741 Phosphor	25	4100	78	2850	24000	48"
		32	90089	  4	F32T8/750/ECO/CS	750 Phosphor	25	5000	78	2850	24000	48"
		32	90094	  4	F32T8/835/ECO/CS	835 Phosphor	25	3500	86	3050	24000	48"
		32	90095	  4	F32T8/841/ECO/CS	841 Phosphor	25	4100	86	3050	24000	48"
		32	90096	  4	F32T8/850/ECO/CS	850 Phosphor	25	5000	86	3050	24000	48"

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SPECIALTY LAMPS

Photo/Projection/SSTV



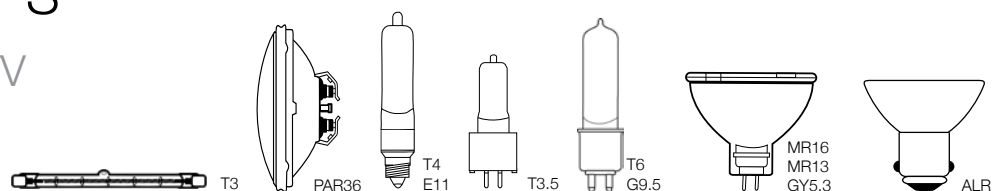
ANSI Code	Bulb	Base	Watts	Volts	Pkg. Qty.	Avg. Life	Filament	Lumens	Color Temp.	Operating Position
Halco Photo/Projection/SSTV										
DVS	T3	R7s	500	130	1/10	2000	C-8	9500	3000	HOR
*DWE	PAR36	Screw Terminals	650	120	1/12	100	C-6	24000	3200	U
*DYS/DYV/BHC/5	G7	GZ9.5	600	125	1/10	150	CC-6	17000	3200	HOR
*EGE	T4.25	P28s	500	120	1/10	2000	CC-8	10450	2950	U
EHM	T3	R7s	300	120	1/10	2000	C-8	5000	2950	HOR
EHT	T4	E11	250	120	1/10	2000	CC-8	4500	2950	U
*EHV	T4	E11	325	120	1/10	500	CC-8	7800	3000	U
EJA	MR16	GX5.3	150	21	1/10	40	CC-6	-	3400	BDTH
*EJL	MR16	GX5.3	200	24	1/10	50	CC-6	-	3400	BDTH
*EJM	MR16	GX5.3	150	21	1/10	40	CC-6	-	3350	BDTH
EJV	MR16	GX5.3	150	21	1/10	40	CC-8	-	3350	BDTH
EKE	MR16	GX5.3	150	21	1/10	200	CC-6	-	3250	BDTH
ELC	MR16	GX5.3	250	24	1/10	50	CC-6	-	3400	BDTH
*ENH	MR16	GY5.3	250	120	1/10	175	CC-8	-	3250	BDTH
*ENX	MR16	GY5.3	360	82	1/10	75	CC-8	-	3300	BDTH
*ENX/5	MR16	GY5.3	360	86	1/10	100	CC-8	-	3300	BDTH
*ESD	MR16	GY5.3	150	120	1/10	12	CC-8	-	3350	BDTH
*ESL	T4	E11	150	120	1/10	1000	CC-2V	2800	2900	U
*ESM	Frosted/T4	E11	250	120	1/10	2000	CC-8	4850	2950	U
*ESN	T4	E11	100	120	1/10	750	CC-2V	1900	2850	U
*ESP	T4	BA15d	150	120	1/10	1000	CC-2V	2400	2950	U
*ESR	T4	BA15d	100	120	1/10	1000	CC-2V	1900	3000	U
*ESS	T4	BA15d	250	120	1/10	2000	CC-8	5000	3000	U
*ETB	Frosted/T4	BA15d	250	120	1/10	2000	CC-8	4700	2950	U
ETC	T4	BA15d	150	20	1/10	2000	CC-8	2800	2900	U
*ETD	Frosted/T4	BA15d	100	120	1/10	750	CC-2V	1750	2900	U
*ETE	Frosted/T4	E11	100	120	1/10	750	CC-2V	1750	2900	U
ETF	Frosted/T4	BA15d	150	120	1/10	2000	CC-8	2700	2900	U
*ETG	T4	E11	150	120	1/10	2000	CC-8	2400	2950	U

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SPECIALTY LAMPS

Photo/Projection/SSTV

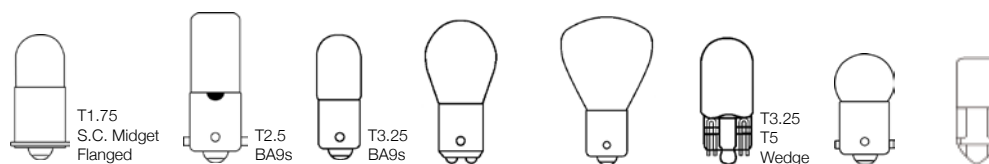


ANSI Code	Bulb	Base	Watts	Volts	Pkg. Qty.	Avg. Life	Filament	Lumens	Color Temp.	Operating Position
<i>Halco</i> Photo/Projection/SSTV continued										
ETH	Frosted/T4	E11	150	120	1/10	2000	CC-8	2700	2900	U
*EVW	MR16	GY5.3	250	82	1/10	50	CC-8	-	3300	BDTH
*EXR	MR13	GX5.3	300	82	1/10	35	CC-8	-	3350	BDTH
*EXR/5	MR13	GX5.3	300	86	1/10	70	CC-8	-	3350	BDTH
*EXY	MR13	GX5.3	250	82	1/10	200	CC-8	-	3200	BDTH
*EYA	MR16	GY5.3	200	82	1/10	50	CC-8	-	3300	BDTH
*EYB	T3.5	G5.3	360	82	1/10	75	CC-8	10000	3300	BDTH
*EYB/5	T3.5	G5.3	360	86	1/10	150	CC-8	10000	3300	BDTH
EYV	Frosted/T4	E11	500	130	1/10	2000	CC-8	8075	3000	U
EYW	T4	E11	500	130	1/10	2000	CC-8	8500	3000	U
*FAL	T4	R7s	420	120	1/10	90	CC-8	11000	3200	U
*FBO	PAR36	Screw Terminals	650	120	1/12	100	C-6	38000	3400	U
*FCL	T3	R7s	500	120	1/10	2000	C-8	9500	3000	HOR
*FCM	T3	R7s	1000	120	1/10	300	C-8	27000	3200	HOR
*FCR	T3.5	GY6.35	100	12	1/10	50	C-6F	2900	3250	BDTH
FCS	T4	G6.35	150	24	1/10	50	C-6F	4500	3400	ANY
*FEL	T6	G9.5	1000	120	1/10	300	CC-8	27000	3200	BDTH
*FHM	Frosted/T3	R7s	1000	120	1/10	300	C-8	26000	3200	HOR
*FHS	MR13	GX5.3	300	82	1/10	70	CC-8	-	3300	BDTH
*FHS/5	MR13	GX5.3	300	86	1/10	140	CC-8	-	3300	BDTH
FLK	T6	G9.5	575	115	1/10	300	CC-8	16000	3200	U
*GBE	ALR12	BA15d	20	12	1/10	2000	CC-8	1500cp	3000	U
GBF	ALR12	BA15d	20	12	1/10	2000	CC-8	750cp	3000	U
GBF/CS	ALR12	BA15d	20	12	1/10	2000	CC-8	750cp	3000	U
H111	MR16	GX5.3	200	19.7	1/100	500	CC-8	-	3000	BDTH

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SPECIALTY LAMPS

Miniatures

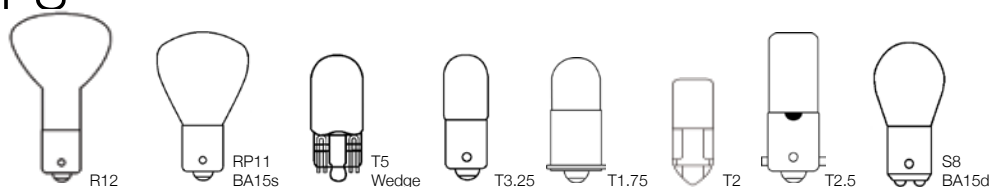


Product Code	Bulb	Base	Primary Application	Volts	Amps or Watts	Pkg. Qty.	MSCP	Avg. Life	Design Filament	MOL
Miniatures										
55	G4.5	BA9s	Indicator	7	0.41	10/2000	2	500	C-2R	1.07"
*57	G4.5	BA9s	Auto, Instrument	14	0.24	10/2000	2	500	C-2V	1.07"
73	T1.75	Wedge	Indicator	14	0.08	10/2000	0.3	15000	C-2V	0.80"
*74	T1.75	Wedge	Auto	14	0.10	10/2000	0.7	1000	C-2V	0.80"
85	T1.75	Wedge	Indicator	28	0.04	10/2000	0.3	7000	C-2F	0.80"
*86	T1.75	Wedge	Indicator	6.3	0.20	10/2000	0.4	20000	C-2V	0.80"
*89	G6	BA15s	Auto	13	0.58	10/2000	6	750	C-2R	1.40"
93	S8	BA15s	Auto	12.8	1.04	10/2000	15	700	C-6	2.00"
94	S8	BA15d	Auto, Marine	12.8	1.04	10/2000	15	700	C-6	2.00"
120MB/M	T2.5	BA9s	Tel. Indicator	120	0.025	10/100	0.36	10000	CC-3A	1.20"
130MB	T2.5	BA9s	Indicator	130	0.025	10/2000	0.36	10000	CC-3A	1.19"
*159	T3.25	Wedge	Indicator	6.3	0.15	10/2000	0.34	5000	C-2R	1.06"
161	T3.25	Wedge	Auto, Instrument	14	0.19	10/2000	1	4000	C-2F	1.06"
194	T3.25	Wedge	Auto	14	0.27	10/2000	2	2500	C-2F	1.10"
*259	T3.25	Wedge	Radio	6.3	0.25	10/2000	0.65	5000	C-2R	1.06"
*313	T3.25	BA9s	Aircraft	28	0.17	10/2000	3.5	500	C-2F	1.19"
*316	T3.25	BA9s	Aircraft	6	0.70	10/2000	3.4	500	C-2R	1.19"
*400	T3.25	Wedge	Aircraft	28	0.10	10/2000	1.6	1000	C-2F	1.06"
*456	G4.5	BA9s	Instrument	28	0.17	10/2000	2	5000	C-2F	1.07"
464	T3.25	Wedge	Aircraft	28	0.17	10/2000	3	1500	C-2F	1.06"
555	T3.25	Wedge	Pinball	6.3	0.25	10/2000	0.9	3000	C-2R	1.06"
590	T3.25	Wedge	Strip Lighting	13.5	0.37	10/2000	4	300	C-2V	1.06"
656	T3.25	Wedge	Indicator	28	0.06	10/2000	0.62	2500	C-2F	1.06"
657	T3.25	Wedge	Indicator	28	0.08	10/2000	0.62	15000	C-2F	1.06"
658	T3.25	Wedge	Indicator	14	0.08	10/2000	0.31	15000	C-2F	1.06"
755	T3.25	BA9s	Indicator	6.3	0.15	10/2000	0.33	20000	C-2R	1.20"
756	T3.25	BA9s	Indicator	14	0.08	10/2000	0.31	15000	C-2F	1.19"
757	T3.25	BA9s	Indicator	28	0.08	10/2000	0.62	15000	C-2F	1.19"
904	T5	Wedge	Auto	13.5	0.69	10/2000	4	5000	C-2F	1.50"
906	T5	Wedge	Auto	13.0	0.69	10/2000	6	1000	C-2F	1.50"
909	T5	Wedge	Emergency Lighting	6.0	0.62	10/2000	3	50	C-2R	1.50"
912	T5	Wedge	Auto	12.8	1.00	10/2000	12	1000	C-2R	1.50"

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SPECIALTY LAMPS

Miniatures

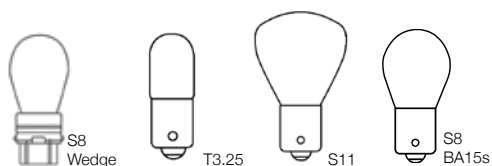


Product Code	Bulb	Base	Primary Application	Volts	Amps or Watts	Pkg. Qty.	MSCP	Avg. Life	Design Filament	MOL
Miniatures continued										
912x Xenon	T3.25	Wedge	Garden	12.8	1.00	10/600	12	10000	C-2R	1.50"
918	T5	Wedge	Garden	12.8	0.56	10/2000	6.5	500	C-2R	1.50"
918x Xenon	T3.25	Wedge	Garden	12.8	0.56	10/600	6.5	10000	C-2R	1.50"
921	T5	Wedge	Auto	12.8	1.40	10/2000	21	500	C-2R	1.50"
921x Xenon	T3.25	Wedge	Auto	12.8	1.4	10/600	21	10000	C-2R	1.50"
1141	S8	BA15s	Auto	12.8	1.44	10/2000	21	1000	C-6	2.00"
1142	S8	BA15d	Auto	12.8	1.44	10/2000	21	1000	C-6	2.00"
1156	S8	BA15s	Auto, Stop	12.8	2.10	10/2000	32	1200	C-6	2.00"
1195	RP11	BA15s	Auto	12.5	3.00	10/500	50	300	C-2V	2.30"
*1196	RP11	BA15d	Auto	12.5	3	10/500	50	300	C-2R	2.25"
*1229	S8	BA15d	Emergency Lighting	40	0.38	10/1000	15	400	C-2V	2.00"
*1317	B6	BA15s	Aircraft, Emergency	6	0.51	10/1000	3.4	100	C-6	1.75"
1383	R12	BA15s	Aircraft, Reading	13	20	10/1000	-	300	C-8	2.60"
1383/CS	R12	BA15s	Aircraft, Reading	13	20	10/1000	-	-	C-8	2.60"
*1460X	S8	D.C. Pre-Focus	Microscope	6.5	2.75	10/500	23	100	C-6	2.00"
*1493	S8	BA15d	Microscope	6.5	2.75	10/1000	23	100	C-6	2.00"
*1495	T4.5	BA9s	Aircraft	28	0.30	10/1000	6	500	C-2F	1.38"
*1591	S8	BA15s	Aircraft	25	0.61	10/1000	15	1000	C-2V	2.00"
1612	S8	BA15d	Instrument	5.4	1.9	10/1000	10	1000	C-6	2.00"
*1619	S8	BA15s	Instrument	6.7	1.90	10/1000	15	500	C-6	2.00"
1630	S8	D.C. Pre-Focus	Instrument	6.5	2.75	10/500	23	100	C-6	2.00"
*1638	S8	BA15d	Marine	28	1.02	10/1000	32	500	2C-6	2.00"
*1680	S8	BA15s	Aircraft	6	4.10	10/1000	32	300	C-6	2.00"
*1680X	S8	BA15s	Aircraft	6	4.10	10/1000	32	300	C-6	2.00"
*1691AF	S8	BA15s	Aircraft, Frosted	28	0.61	10/1000	-	1000	2C-2R	2.00"
*1777	S8	BA15s	Aircraft	12.8	1.52	10/1000	26	400	C-2R	2.00"
*1813	T3.25	BA9s	Radio	14.4	0.10	10/2000	0.86	1000	C-2V	1.20"
1818	T3.25	BA9s	Aircraft	24	0.17	10/2000	3.3	250	C-2F	1.20"
1819	T3.25	BA9s	Indicator	28	0.04	10/2000	0.34	2500	C-2F	1.20"
1820	T3.25	BA9s	Indicator	28	0.10	10/2000	1.6	1000	C-2F	1.20"
*1822	T3.25	BA9s	Indicator	36	0.10	10/2000	2.1	1000	C-2F	1.20"
*1828	T3.25	BA9s	Indicator	37.5	0.05	10/2000	0.65	3000	C-2F	1.20"

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

SPECIALTY LAMPS

Miniatures

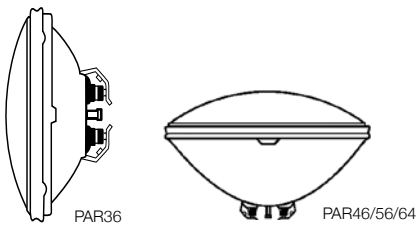


Product Code	Bulb	Base	Primary Application	Volts	Amps or Watts	Pkg. Qty.	MSCP	Avg. Life	Design Filament	MOL
Miniatures continued										
1829	T3.25	BA9s	Indicator	28	0.07	10/2000	1	1000	C-2F	1.20"
1835	T3.25	BA9s	Indicator	55	0.05	10/2000	1.1	5000	C-2F	1.20"
*1864	T3.25	BA9s	Aircraft	28	0.17	10/2000	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

Sealed Beam



Product Code	Bulb	Base	Volts	Watts	Pkg. Qty.	CBCP	Avg. Life	Design Filament	Beam Spread	MOL
Sealed Beam										
*4405	PAR36	Screw Terminals	12.8	30	1/12	50000	100	C-6	6	2.75"
4406	PAR36	Screw Terminals	12.8	35	1/12	600	300	C-6	80	2.75"
4411	PAR36	Screw Terminals	12.8	35	1/12	3000	300	C-6	-	2.75"
4414	PAR36	Screw Terminals	12.8	18	1/12	1500	300	C-6	50	2.75"
4415	PAR36	Screw Terminals	12.8	35	1/12	9000	300	C-6	40	2.75"
4446	PAR36	Screw Terminals	12.8	25	1/12	400	300	C-6	80	2.75"
4505	PAR36	Screw Terminals	28	50	1/12	45000	400	C-6	5	2.75"
*4509	PAR36	Screw Terminals	13	100	1/12	110000	25	C-6	12x6	2.75"
4515	PAR36	Screw Terminals	6.4	30	1/12	55000	100	C-6	7x6	2.75"
H4515	PAR36	Screw Terminals	6.4	30	1/12	65000	100	C-6	7x6	2.75"
*4535	PAR46	Screw Terminals	6.4	30	1/12	95000	100	C-6	5.5	4.00"
4545	PAR56	Screw Terminals	12	100	1/12	225000	100	C-6	9	5.00"
*4552	PAR64	Screw Terminals	28	250	1/6	500000	25	CC-8	7x8	6.00"
*4553	PAR46	Screw Terminals	28	250	1/12	300000	25	CC-8	11x12	4.00"
*4559	PAR64	Screw Terminals	28	600	1/6	600000	25	C-6	11x12	6.00"
*4587	PAR36	Screw Terminals	28	250	1/12	40000	25	CC-8	40	2.75"
*4596	PAR36	Screw Terminals	28	250	1/12	150000	25	CC-8	11x12	2.75"
7613	PAR36	Screw Terminals	6	8	1/12	400	50	C-6	30	2.75"
7613-1	PAR36	Slip-on Terminals	6	8	1/6	400	50	C-6	30	2.75"

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

SPECIALTY LAMPS

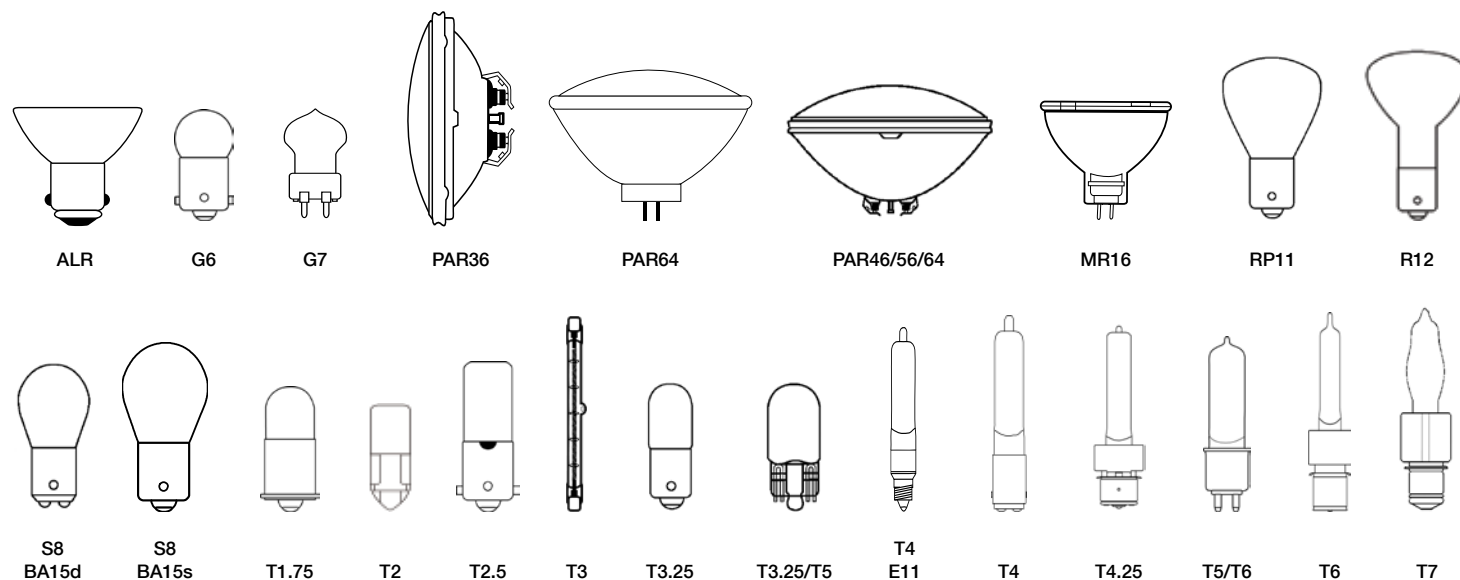
Accessories

Product Number	Product Code	Description	Terminal	Pkg. Qty.	Lead Length
Tube Guards					
91020	TG32T8CL	4' T8 Clear Tube Guard with Endcap	-	48	-
91021	TG40T12CL	4' T12 Clear Tube Guard with Endcap	-	24	-
91022	TG96T8CL	8' T8 Clear Tube Guard with Endcap	-	48	-
91023	TG96T12CL	8' T12 Clear Tube Guard with Endcap	-	24	-
Adapters					
91001	ADP/E26/GU24	Locking Adapter E26 to GU24	-	1/200	-
91002	ADP/E39/E26	Porcelain Adapter E39 to E26	-	1/200	-
Extenders					
91000	ADP/E26/E26	Porcelain Extender E26	-	1/200	-
Sockets					
91010	SKT/E39/4KV	Mog. Base Porcelain Pulse Rated HID Socket 4KV	Screw	1/100	10"
91011	SKT/E26/4KV	Medium Base Porcelain Pulse Rated HID Socket 4KV	Screw	25/200	18"

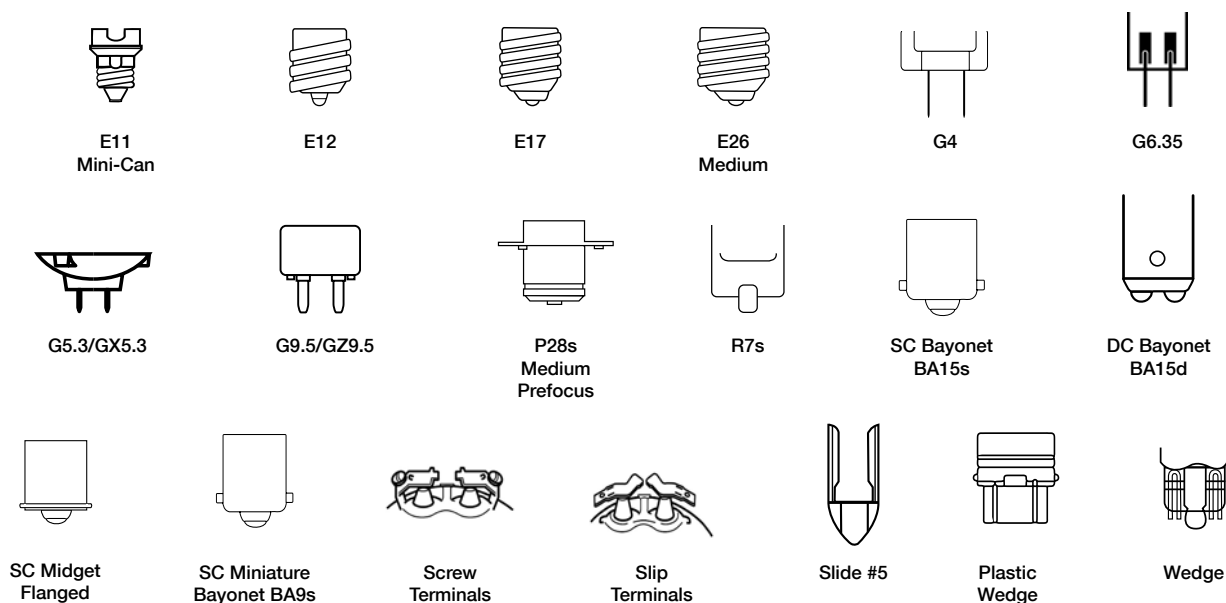
SPECIALTY LAMPS

Bulb, Base and Filament Identification Guide

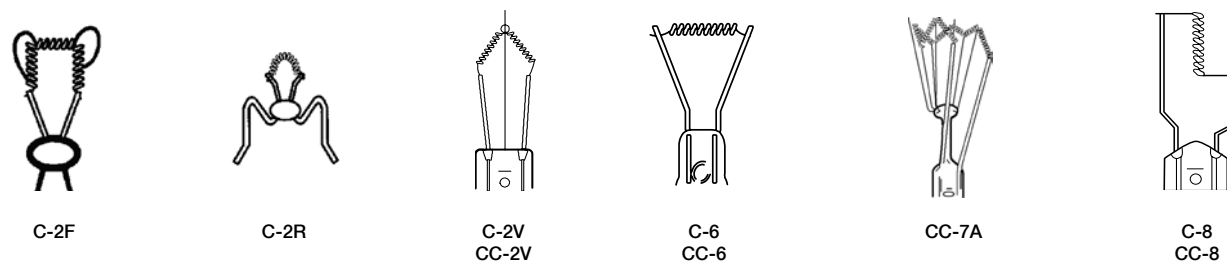
Bulb Shapes



Base Types



Filament Designations



CC indicates coiled-coil filament.

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.