

GENERAL INFORMATION

LAMP NUMBER:

Lamps are marked with a CEC Trade number, which identifies the lamp. This is an industry standard

PRIMARY APPLICATION:

This column indicates the major services for each lamp. In most cases lamps can be used in many other applications.

DESIGN VOLTS:

The voltage at which the lamp is designed for rated amperes, candlepower, and life characteristics.

DESIGN WATTS OR AMPS:

The approximate power (watts) or approximate current (amps) that the lamp will draw at design volts.

MEAN SPHERICAL CANDLEPOWER (MSCP):

Average value of total light output of miniature lamps at design volts.

MAXIMUM OVERALL LENGTH (MOL):

Measured from the top of bulb to the bottom of base.

RATED AVERAGE LIFE:

Rated average life to be expected at controlled laboratory testing of lamps at design volts. Actual service life will vary with application.

LIGHT CENTER LENGTH (LCL):

LCL is measured from the center of the lighted filament to that part of the base listed below:

Double Contact (D.C.)	Top of base pin
Bayonet	
Double Contact Index	Top of lower pin
Midget Bi-Pin Base	Flat bottom of base
Midget Grooved Base	Center of groove
Midget Flanged Base	Top of the flange
Miniature Bayonet	Top of base pin
Screw Bases	Bottom of end contact
Single Contact (S.C.)	Top of flanged
Midget Flanged	
Single Contact	Top of bosses in flange
Miniature Flanged	
Single Contact or	Bottom of indentations
Double Contact	on prefocusing collar
Prefocus	

Formulas

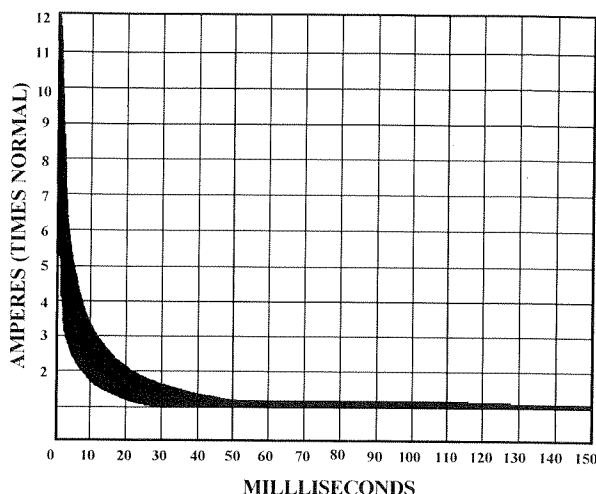
Formulas commonly used.

- Watts = Volts x Amps
- Lumens = 12.57 x Mean Spherical Candlepower
- Hot Resistance (Ohms) = Volts/Amps
- Kelvin = Celsius + 273
- Foot-candles = Candlepower/Distance squared (miniature lamps only)

INRUSH CURRENT

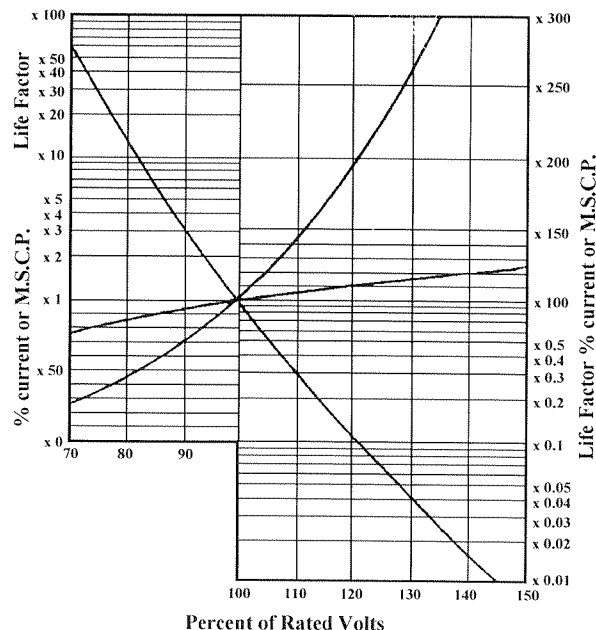
Inrush current is the term used for the initial surge of electricity through the tungsten filament. This current can be as high as 12 times the normal operating current.

The accompanying diagram shows the plot of the inrush current and time when the design voltage is applied. One method of reducing the inrush current is to initially apply a lower voltage and subsequently increase the voltage to the design voltage.



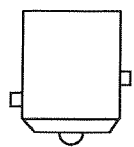
LIFE/VOLTAGE CURVE

Design Voltage is very important in operating a particular lamp. As a curve in the accompanying diagram indicates, the life of the lamp will decrease as the voltage is increased or vice versa. Lamps should therefore be operated at the design voltage to obtain the rated life and light output.

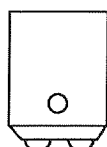


Bases and Filaments

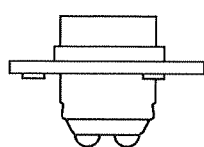
Bases



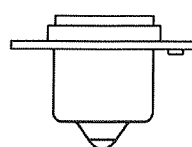
D.C. Indexing
(BAY15d)



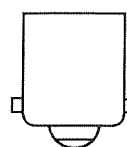
D.C. Bayonet
(BA-15d)



D.C. Prefocus
(P15d)



S.C. Prefocus
(P15s)



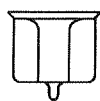
S.C. Bayonet
(BA-15s)



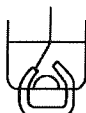
Miniature Bayonet
(BA9s)



S.C. Midget Flanged
(E6)



Miniature Cap



Rigid Loop



Midget Grooved
(S4S/8)



Sub-Midget Flanged
(F 3-6)



Candelabra Screw
(E12)



Intermediate Screw
(E17)



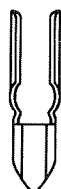
Medium Screw
(E26)



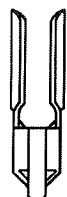
Midget Screw
(E5)



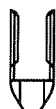
Miniature Screw
(E10)



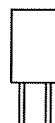
Tel. Slide
No. 1



Tel. Slide
No. 2



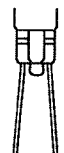
Tel. Slide
No. 5



Bi-Pin
M-23



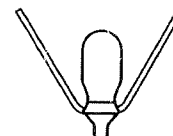
Wedge



Wedge Base
Extended Leads



Wire Terminal
(Down Position)



Wire Terminal
(Up Position)

Filaments



C-2F



C-2V



C-2V
(Supported)



C-2R



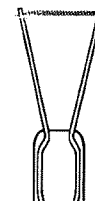
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C-5



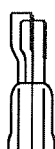
C-6



C-6



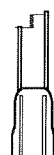
C-6/
C-6



C-8/
C-8



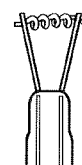
C-8I



C-8Z



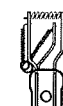
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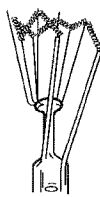
CC-6



CC-6/
CC-6



CC-6/
C-2V



CC-7A/
C-7A



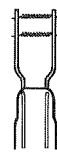
CC-8
C-8



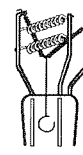
2C-2R



3C-6



2CC-6



4CC-6/
C-2V

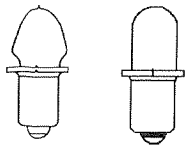
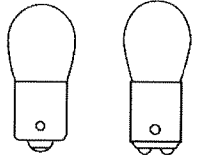
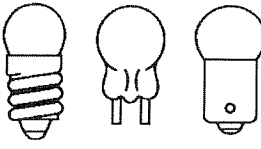
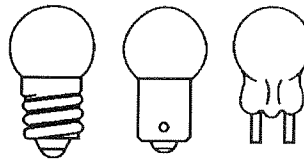
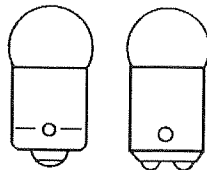
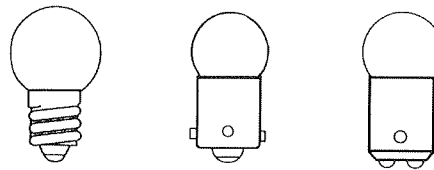
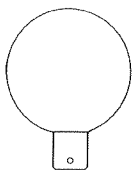
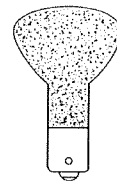
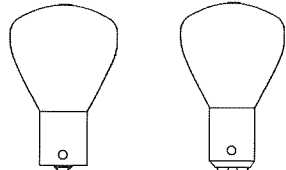
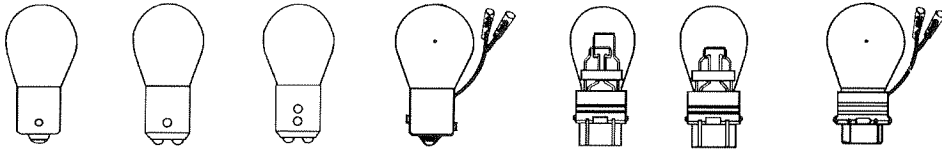
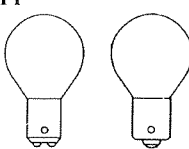
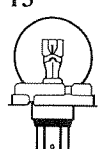
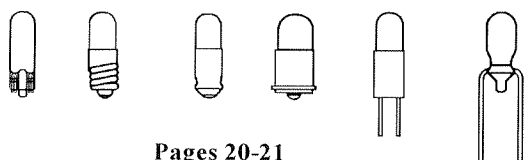
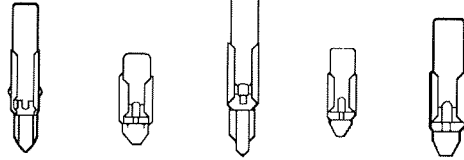
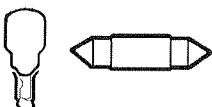
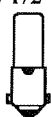
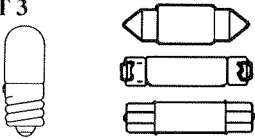
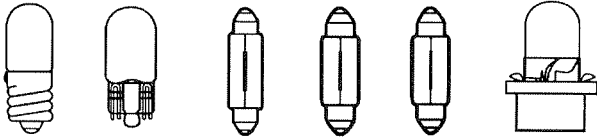
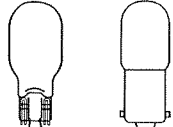
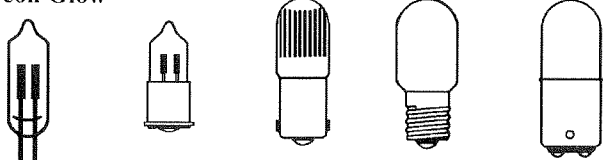


FC-6Z



S-2

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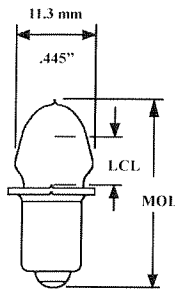


Fig. 1
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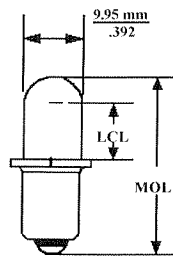


Fig. 2
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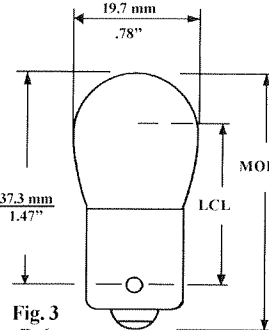


Fig. 3
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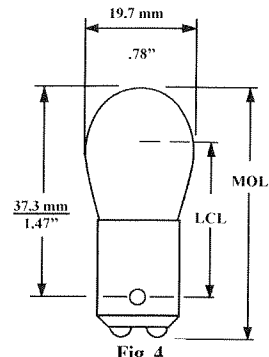


Fig. 4
B-6

Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
B-3 1/2 BULB 7/16" (11 mm) DIAMETER													
1	K4	S.C. Miniature Flange	2.20	0.47	0.47	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-Krypton	1
2	KPR104	S.C. Miniature Flange	2.20	0.47	0.47	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-2 D Krypton	1
3	PR4	S.C. Miniature Flange	2.33	0.27	0.40	C-2R	31.8	1.25	6.4	0.25	10	Flashlight-2 C Cells	1
4	PR2	S.C. Miniature Flange	2.38	0.50	0.80	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-2 D Cells	1
5	K1	S.C. Miniature Flange	2.40	0.49	0.88	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-Krypton	1
6	K2	S.C. Miniature Flange	2.40	0.70	1.20	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-Krypton 2 Cells	1
7	KPR102	S.C. Miniature Flange	2.40	0.70	1.30	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-Krypton 2 Cells	1
8	PR6	S.C. Miniature Flange	2.47	0.30	0.45	C-2R	31.8	1.25	6.4	0.25	30	Flashlight-2 D Cells	1
9	PR33	S.C. Miniature Flange	2.60	1.00	1.70	C-2R	31.8	1.25	6.4	0.25	20	Flashlight	1
10	PR9	S.C. Miniature Flange	2.70	0.15	0.25	C-2R	31.8	1.25	6.4	0.25	45	Flashlight-2 D Cells	1
11	PR3	S.C. Miniature Flange	3.57	0.50	1.50	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-3 D Cells	1
12	PR29	S.C. Miniature Flange	3.60	0.20	0.60	C-2R	31.8	1.25	6.4	0.25	30	Flashlight-3 D Cells	1
13	KPR103	S.C. Miniature Flange	3.60	0.75	2.70	C-2R	31.8	1.25	6.4	0.25	20	Flashlight Krypton 3 Cells	1
14	K3	S.C. Miniature Flange	3.60	0.90	3.40	C-2R	31.8	1.25	6.4	0.25	15	Flashlight Krypton 3 Cells	1
15	PR7	S.C. Miniature Flange	3.70	0.30	0.90	C-2R	31.8	1.25	6.4	0.25	30	Flashlight Krypton 3 Cells	1
16	PR30	S.C. Miniature Flange	3.75	0.86	2.25	C-2R	31.8	1.25	6.4	0.25	40	Flashlight Krypton 3 Cells	1
17	PR13	S.C. Miniature Flange	4.75	0.50	2.00	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-4 F Cells	1
18	K13	S.C. Miniature Flange	4.75	0.70	4.00	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-Krypton 4 Cells	1
19	KPR113	S.C. Miniature Flange	4.80	0.75	4.06	C-2R	31.8	1.25	6.4	0.25	20	Flashlight-Krypton 4 Cells	1
20	PR15	S.C. Miniature Flange	4.82	0.50	2.00	C-2R	31.8	1.25	6.4	0.25	30	Hand Lantern 8 F Cells	1
21	PR17	S.C. Miniature Flange	4.90	0.30	1.20	C-2R	31.8	1.25	6.4	0.25	30	Hand Lantern 8 F Cells	1
22	PR12	S.C. Miniature Flange	5.95	0.50	3.00	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-5 D Cells	1
23	K12	S.C. Miniature Flange	5.95	0.70	7.50	C-2R	31.8	1.25	6.4	0.25	8	Hand Lantern Krypton 8 F Cell	1
24	KPR112	S.C. Miniature Flange	6.00	0.75	6.00	C-2R	31.8	1.25	6.4	0.25	20	Flashlight-Krypton	1
25	PR18	S.C. Miniature Flange	7.20	0.55	4.20	C-2R	31.8	1.25	6.4	0.25	3	Flashlight-6 D Cells	1
26	K18	S.C. Miniature Flange	7.20	0.55	5.23	C-2R	31.8	1.25	6.4	0.25	8	Flashlight-Krypton	1
27	PR20	S.C. Miniature Flange	8.63	0.50	5.00	C-2R	31.8	1.25	6.4	0.25	15	Flashlight-7 D Cells	1
28	PR16	S.C. Miniature Flange	12.50	0.25	2.70	C-2R	31.8	1.25	6.4	0.25	50	Auto Spotlight	1
29	XPR14	S.C. Miniature Flange	14.40	0.70	16.00	C-2R	27.9	1.10	6.4	0.25	15	Auto Spotlight-Xenon	2
30	XPR18	S.C. Miniature Flange	18.00	0.60	14.00	C-2R	27.9	1.10	6.4	0.25	15	Auto Spotlight-Xenon	2
B-6 BULB 3/4" (19 mm) DIAMETER													
31	209	S.C. Bayonet	6.50	1.78	15.00	C-6	44.5	1.75	26.9	1.06	100	Auto	3
32	210	D.C. Bayonet	6.50	1.78	15.00	C-6	37.3	1.47	26.9	1.06	100	Instrument	4
33	1061	D.C. Bayonet	6.70	1.80	13.00	C-6	44.5	1.75	26.9	1.06	400	Indicator	4
34	5007	S.C. Bayonet	12.00	0.41	4.00	C-2R	37.3	1.47	19.0	0.74	200	Auto-European	3
35	5008	S.C. Bayonet	12.00	0.83	10.00	C-2R	37.3	1.47	19.0	0.74	200	Auto-European	3
36	1003	S.C. Bayonet	12.80	0.94	15.00	C-6	44.5	1.75	26.9	1.06	200	Auto Interior	3
37	1003 LL	S.C. Bayonet	12.80	0.94	15.00	C-6	44.5	1.75	26.9	1.06	400	Auto Interior-Long Life	3
38	1004	D.C. Bayonet	12.80	0.94	15.00	C-6	44.5	1.75	26.9	1.06	200	Auto Interior	4
39	104	D.C. Bayonet	12.80	1.00	12.00	C-6	44.5	1.75	26.9	1.06	500	Auto Interior	4
40	105	S.C. Bayonet	12.80	1.00	12.00	C-6	44.5	1.75	26.9	1.06	500	Auto Interior	3
41	5637	S.C. Bayonet	24.00	0.42	10.00	C-2V	44.5	1.75	26.9	1.06	200	Auto-European	--
42	1309	S.C. Bayonet	28.00	0.52	15.00	2C-2R	44.5	1.75	26.9	1.06	300	Aircraft Interior	4
43	1308	S.C. Bayonet	28.00	0.56	16.00	CC-8	44.5	1.75	26.9	1.06	200	Aircraft Interior	4

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Miniature Lamp Specifications

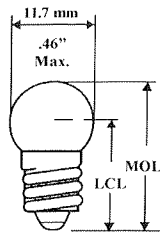


Fig. 5
G-3 1/2

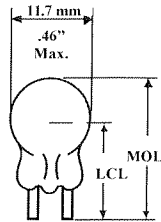


Fig. 6
G-3 1/2

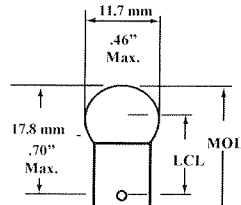


Fig. 7
G-3 1/2

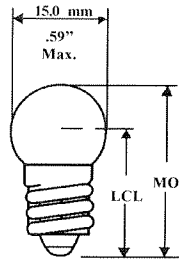


Fig. 8
G-4 1/2

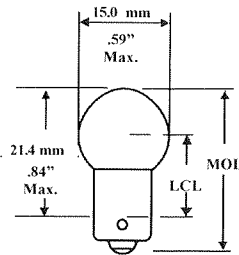


Fig. 9
G-4 1/2

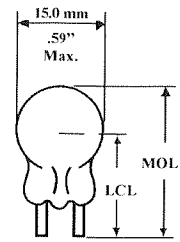


Fig. 10
G-4 1/2

Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application	Fig No
G-3 1/2 BULB 7/16" (11 mm) DIAMETER													
1	131	Miniature Screw	1.30	0.10	0.03	S-2	23.9	0.94	18.3	0.72	50	Bicycle-1 D Cells	5
2	458	Miniature Screw	1.50	0.20	0.12	S-2	23.9	0.94	18.3	0.72	30	Flashlight	5
3	233	Miniature Screw	2.33	0.27	0.42	C-2R	23.9	0.94	18.3	0.72	10	Flashlight-2 C Cells	5
4	245	Miniature Screw	2.46	0.50	0.90	C-2R	23.9	0.94	18.3	0.72	15	Flashlight-2 D Cells	5
5	14	Miniature Screw	2.47	0.30	0.50	C-2R	23.9	0.94	18.3	0.72	15	Flashlight-2 D Cells	5
6	10	Miniature, 2-Pin	2.50	0.50	0.50	C-6	23.9	0.94	15.8	0.62	3000	Indicator	6
7	1533	Miniature Screw	2.70	0.15	0.25	C-2R	23.9	0.94	18.3	0.72	45	Auto	5
8	13	Miniature Screw	3.70	0.30	0.98	C-2R	23.9	0.94	18.3	0.72	15	Flashlight-3 D Cells	5
9	12	Miniature, 2-Pin	6.30	0.15	0.35	C-6	23.9	0.94	16.0	0.63	5000	Radio	6
10	133	Miniature Screw	6.30	0.15	0.32	C-2R	23.9	0.94	18.3	0.72	2000	Indicator	5
11	134	Miniature Screw	6.30	0.25	0.55	C-2R	23.9	0.94	18.3	0.72	2000	Indicator	5
12	51	Miniature Bayonet	7.50	0.22	1.00	C-2R	23.9	0.94	12.7	0.50	1000	Indicator	7
13	50	Miniature Screw	7.50	0.22	1.00	C-2R	23.9	0.94	18.3	0.72	1000	Toy	5
14	1446	Miniature Screw	12.00	0.20	1.70	C-2R	23.9	0.94	18.3	0.72	250	Toy Train	5
15	363	Miniature Bayonet	14.00	0.20	2.00	C-2V	23.9	0.94	--	--	250	Toy	7
16	1449	Miniature Screw	14.00	0.20	2.00	C-2V	23.9	0.94	18.3	0.72	250	Toy Train	5
17	19	Miniature, 2-Pin	14.40	0.10	0.90	C-6	23.9	0.94	16.0	0.63	1000	Toy Train	6
18	52	Miniature Screw	14.40	0.10	0.75	C-2V	23.9	0.94	16.0	0.63	1000	Indicator	5
19	53	Miniature Bayonet	14.40	0.12	1.00	C-2V	23.9	0.94	12.7	0.50	1000	Auto and Indicator	7
20	53R	Miniature Bayonet	14.40	0.12	--	C-2V	23.9	0.94	12.7	0.50	1000	Red Indicator	7
21	53X	Miniature Bayonet	14.40	0.12	1.00	C-2F	23.9	0.94	12.7	0.50	1000	Auto-Heavy Duty	7
22	1445	Miniature Bayonet	14.40	0.13	0.70	C-2V	23.9	0.94	12.7	0.50	2000	Auto	7
23	182	Miniature Bayonet	14.40	0.18	1.00	C-2F	23.9	0.94	12.7	0.50	2000	Auto	7
24	1447	Miniature Screw	18.00	0.15	1.50	C-2V	23.9	0.94	18.3	0.72	250	Toy	5
25	1450	Miniature Bayonet	24.00	0.035	0.23	C-2F	23.9	0.94	12.7	0.50	3000	Indicator	7
26	1448	Miniature Screw	24.00	0.035	0.30	C-2V	23.9	0.94	18.3	0.72	3000	Radio	5
27	265	Miniature Bayonet	28.00	0.08	0.75	C-2F	23.9	0.94	12.7	0.50	5000	Indicator	7
28	356	Miniature Bayonet	28.00	0.17	3.50	C-2F	23.9	0.94	12.7	0.50	500	Aircraft	7
G-4 1/2 BULB 9/16" (14 mm) DIAMETER													
29	136	Miniature Screw	1.25	0.60	0.20	S-2	26.9	1.06	19.0	0.75	75	Auto	8
30	423	Miniature Bayonet	1.25	0.60	0.20	S-2	26.9	1.06	12.7	0.50	75	Auto	9
31	406	Miniature Screw	2.60	0.30	--	C-2R	26.9	1.06	--	--	50	Flasher	8
32	27	Miniature Screw	4.90	0.30	1.40	C-2R	26.9	1.06	18.3	0.72	300	Lantern-4 F Cells	8
33	407	Miniature Screw	4.90	0.30	--	C-2R	26.9	1.06	--	--	50	Hand Lantern	8
34	425	Miniature Screw	5.00	0.50	2.30	C-2R	26.9	1.06	18.3	0.72	15	Hand Lantern-4 F Cells	8
35	502	Miniature Screw	5.10	0.15	0.60	C-2R	26.9	1.06	18.3	0.72	100	Hand Lantern-4 F Cells	8
36	503	Miniature Bayonet	5.10	0.15	0.60	C-2R	26.9	1.06	12.7	0.50	100	Hand Lantern-4 F Cells	9
37	1406	Miniature Bayonet	6.00	0.04	0.10	C-6	26.9	1.06	16.0	0.63	500	Auto	9
38	405	Miniature Screw	6.50	0.50	--	C-2R	26.9	1.06	--	--	500	Auto	8
39	455	Miniature Bayonet	6.50	0.50	--	C-2R	26.9	1.06	--	--	500	Indicator	9
40	15	Miniature 2-Pin	7.00	0.40	2.00	C-6	26.9	1.06	17.5	0.69	500	Indicator	10

Miniature Lamp Specifications

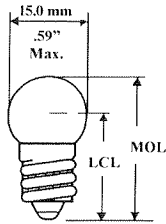


Fig. 8
G-4 1/2

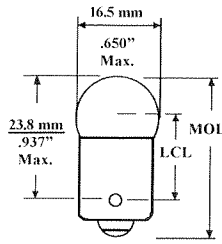


Fig. 11
G-5

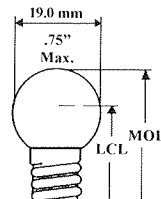


Fig. 13
G-6

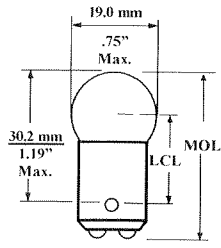


Fig. 15
G-6

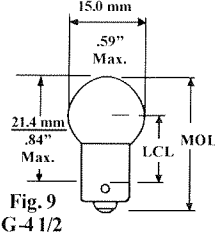


Fig. 9
G-4 1/2

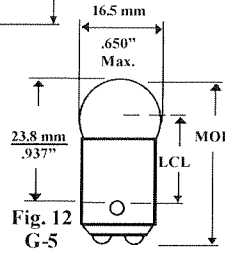


Fig. 12
G-5

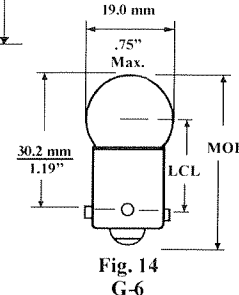


Fig. 14
G-6

Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application	Fig. No.
G-4 1/2 BULB 9/16" (14 mm) DIAMETER													
1	55	Miniature Bayonet	7.0	0.41	2.00	C-2R	26.92	1.07	14.20	0.56	500	Auto Instrument	9
2	6253	Miniature Bayonet	12.0	0.50	4.20	C-2V	26.92	1.07	14.20	0.56	500	Auto-European	9
3	428	Miniature Screw	12.5	0.25	2.40	C-2V	26.92	1.07	18.30	0.72	250	Toy Train	8
4	57	Miniature Bayonet	14.0	0.24	2.00	C-2V	26.92	1.07	14.20	0.56	500	Auto Instrument	9
5	257	Miniature Bayonet	14.0	0.27	1.60	C-2R	26.92	1.07	16.00	0.63	500	Toy Train-Flasher	9
6	258	Miniature Screw	14.0	0.27	1.60	C-2R	26.92	1.07	20.57	0.81	500	Toy Train, Flasher	8
7	1895	Miniature Bayonet	14.0	0.27	2.00	C-2F	26.92	1.07	14.20	0.56	2000	Auto	9
8	1895 A	Miniature Bayonet	14.0	0.27	--	C-2F	26.92	1.07	14.20	0.56	2000	Auto-Amber	9
9	1895 B	Miniature Bayonet	14.0	0.27	--	C-2F	26.92	1.07	14.20	0.56	2000	Auto-Blue	9
10	1895 G	Miniature Bayonet	14.0	0.27	--	C-2F	26.92	1.07	14.20	0.56	2000	Auto-Green	9
11	1895 P	Miniature Bayonet	14.0	0.27	--	C-2F	26.92	1.07	14.20	0.56	2000	Auto-Purple	9
12	1895 R	Miniature Bayonet	14.0	0.27	--	C-2F	26.92	1.07	14.20	0.56	2000	Auto-Red	9
13	293	Miniature Bayonet	14.0	0.33	2.00	C-2F	26.92	1.07	14.20	0.56	5000	Auto	9
14	432	Miniature Screw	18.0	0.25	3.50	C-2V	26.92	1.07	18.30	0.72	250	Toy	8
15	433	Miniature Bayonet	18.0	0.25	3.50	C-2V	26.92	1.07	12.70	0.50	250	Toy	9
16	456	Miniature Bayonet	28.0	0.17	2.00	C-2F	26.92	1.07	14.20	0.56	5000	Instrument	9
G-5 BULB 5/8" (16 mm) DIAMETER													
17	1315	S.C. Bayonet	2.5	1.00	1.75	C-6	35.05	1.38	17.53	0.69	20	Aircraft Emergency Lighting	11
18	301	S.C. Bayonet	28.0	0.17	3.00	C-2F	35.05	1.38	17.53	0.69	500	Aircraft	11
19	302	D.C. Bayonet	28.0	0.17	3.00	C-2F	35.05	1.38	17.53	0.69	500	Aircraft	12
G-6 BULB 3/4" (19 mm) DIAMETER													
20	61	S.C. Bayonet	3.5	0.84	--	C-2R	36.56	1.44	19.10	0.75	250	Special Service	14
21	62	D.C. Bayonet	3.5	0.84	--	C-2R	63.56	1.44	19.10	0.75	250	Special Service	15
22	200	D.C. Bayonet	4.0	0.85	--	C-2R	44.50	1.75	26.90	1.06	100	Special Service	15
23	157	Miniature Screw	5.8	1.10	8.10	C-2R	30.99	1.22	25.40	1.00	50	Medical	13
24	81	S.C. Bayonet	6.5	1.02	6.00	C-2R	36.56	1.44	19.10	0.75	500	Auto, Aircraft, Coin Machine	14
25	82	D.C. Bayonet	6.5	1.02	6.00	C-2R	36.56	1.44	19.10	0.75	500	Auto and Marine	15
26	63	S.C. Bayonet	7.0	0.63	3.00	C-2R	36.56	1.44	19.10	0.75	1000	Coin Machine	14
27	64	D.C. Bayonet	7.0	0.63	3.00	C-2R	36.56	1.44	19.10	0.75	1000	Aircraft and Marine	15
28	1471	Candelabra Screw	12.0	0.26	2.30	C-2V	35.05	1.38	23.86	0.94	250	Indicator	--
29	89	S.C. Bayonet	13.0	0.58	6.00	C-2R	36.56	1.44	19.10	0.75	750	Auto	14
30	89 LL	S.C. Bayonet	13.0	0.58	6.00	C-2R	36.56	1.44	19.10	0.75	1500	Auto-Long Life	14
31	90	D.C. Bayonet	13.0	0.58	6.00	C-2R	36.56	1.44	19.10	0.75	750	Auto and Marine	15
32	98	S.C. Bayonet	13.0	0.62	6.00	C-2V	36.56	1.44	19.10	0.75	800	Auto, Heavy Duty	14
33	99	D.C. Bayonet	13.0	0.62	6.00	C-2V	36.56	1.44	19.10	0.75	800	Auto	15
34	67	S.C. Bayonet	13.5	0.59	4.00	C-2R	36.56	1.44	20.60	0.81	5000	Auto	14

Miniature Lamp Specifications

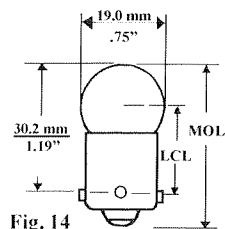


Fig. 14
G-6

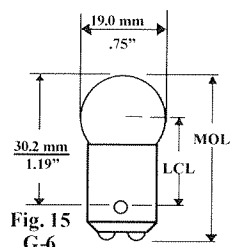


Fig. 15
G-6

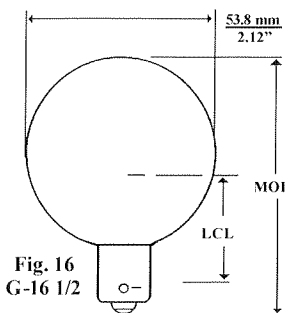


Fig. 16
G-16 1/2

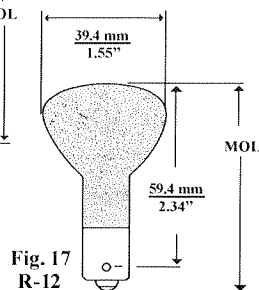


Fig. 17
R-12

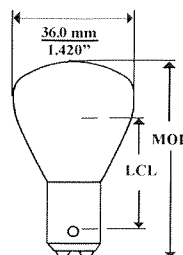


Fig. 18
RP-11

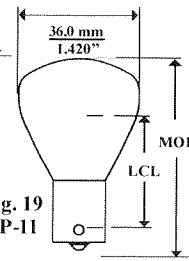
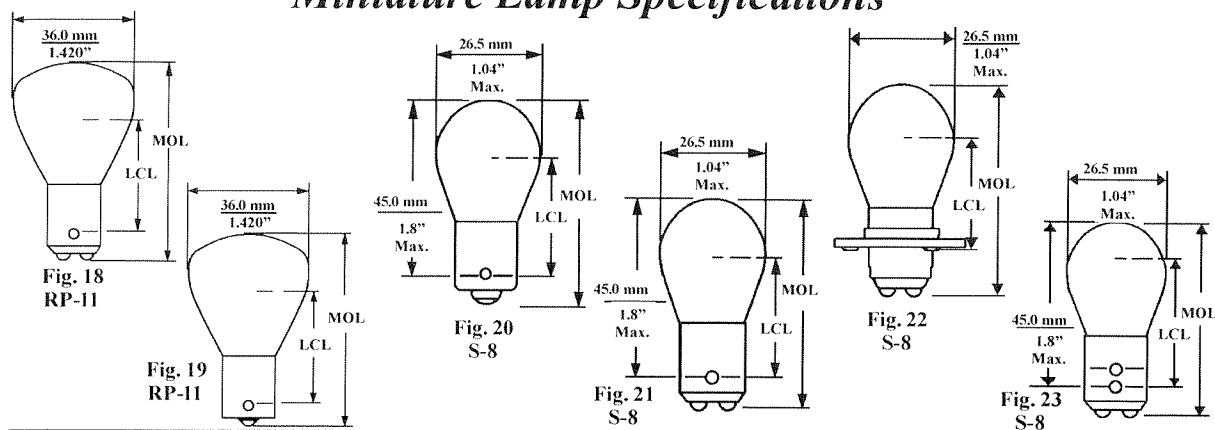


Fig. 19
RP-11

Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application	Fig. No.
G-6 BULB 3/4" (19 mm) DIAMETER													
1	67 NA	S.C. Bayonet	13.5	0.59	--	C-2R	36.6	1.44	20.6	0.81	5000	Auto-Amber	14
2	67 NB	S.C. Bayonet	13.5	0.59	--	C-2R	36.6	1.44	20.6	0.81	5000	Auto-Blue	14
3	67 NG	S.C. Bayonet	13.5	0.59	--	C-2R	36.6	1.44	20.6	0.81	5000	Auto-Green	14
4	67 NP	S.C. Bayonet	13.5	0.59	--	C-2R	36.6	1.44	20.6	0.81	5000	Auto-Purple	14
5	67 NR	S.C. Bayonet	13.5	0.59	--	C-2R	36.6	1.44	20.6	0.81	5000	Auto-Red	14
6	68	D.C. Bayonet	13.5	0.59	4.00	C-2R	36.6	1.44	20.6	0.81	5000	Auto and Marine	15
7	69	S.C. Bayonet	13.5	0.59	4.00	C-2F	36.6	1.44	20.6	0.81	5000	Auto	14
8	1155	S.C. Bayonet	13.5	0.59	4.00	2C-2R	36.6	1.44	20.6	0.81	5000	Auto, Truck Marker-Heavy Duty	14
9	97	S.C. Bayonet	13.5	0.69	4.00	C-2V	36.6	1.44	20.6	0.81	5000	Auto-Heavy Duty	14
10	1178	D.C. Bayonet	13.5	0.69	4.00	C-2V	36.6	1.44	20.6	0.81	5000	Auto	15
11	1247	S.C. Bayonet	14.0	0.43	3.00	2C-2R	36.6	1.44	19.1	0.75	1000	Auto	14
12	631	S.C. Bayonet	14.0	0.63	6.00	2C-6	36.6	1.44	19.1	0.75	1000	Auto-Two identical filaments	14
13	71	S.C. Bayonet	22.0	0.18	3.00	C-2V	36.6	1.44	19.1	0.75	200	Special Service	14
14	72	D.C. Bayonet	22.0	0.18	3.00	C-2V	36.6	1.44	19.1	0.75	200	Special Service	15
15	509 K	Candelabra Screw	24.0	0.18	2.80	C-2F	35.1	1.38	--	--	1000	Indicator	--
16	1251	S.C. Bayonet	28.0	0.23	3.00	2C-6	36.6	1.44	19.1	0.75	2000	Instrument	14
17	1252	D.C. Bayonet	28.0	0.23	3.00	2C-6	36.6	1.44	19.1	0.75	2000	Instrument	15
18	303	S.C. Bayonet	28.0	0.30	6.00	C-2F	36.6	1.44	19.1	0.75	500	Aircraft	14
19	304	D.C. Bayonet	28.0	0.30	6.00	C-2F	36.6	1.44	19.1	0.75	500	Aircraft	15
20	623	S.C. Bayonet	28.0	0.37	6.00	2C-6	36.6	1.44	19.1	0.75	1000	Instrument	14
21	624	D.C. Bayonet	28.0	0.37	6.00	2C-6	36.6	1.44	19.1	0.75	1000	Marine	15
22	1224	D.C. Bayonet	32.0	0.16	3.80	C-2F	36.6	1.44	19.1	0.75	500	Marine	15
G-16 1/2 BULB 2 1/8" (52 mm) DIAMETER													
23	20-99	S.C. Bayonet	12.0	13.00	--	C-6	76.2	3.00	--	--	300	R-V, Vanity-White	16
24	20-99 C	S.C. Bayonet	12.0	13.00	--	C-6	76.2	3.00	--	--	300	R-V, Vanity-Clear	16
R-12 BULB 1 1/2" (38 mm) DIAMETER													
25	1383	S.C. Bayonet	13.0	1.50	--	C-8	66.8	2.63	59.4	2.34	300	Auto Reading	17
26	1385	S.C. Bayonet	28.0	0.72	--	CC-8	66.8	2.63	59.4	2.34	300	Aircraft Reading	17
RP-11 BULB 1 3/8" (35 mm) DIAMETER													
27	1183	S.C. Bayonet	5.5	6.25	50.00	C-2V	57.2	2.25	31.8	1.25	100	Auto	19
28	1184	D.C. Bayonet	5.5	6.25	50.00	C-2V	57.2	2.25	31.8	1.25	100	Auto	18
29	1133	S.C. Bayonet	6.2	3.91	32.00	C-2R	57.2	2.25	31.8	1.25	200	Instrument	19
30	1134	D.C. Bayonet	6.2	3.91	32.00	C-2R	57.2	2.25	31.8	1.25	200	Auto	18
31	1143	S.C. Bayonet	12.5	1.98	32.00	C-2R	57.2	2.25	31.8	1.25	400	Auto-RV-Machine	19
32	1143 IF	S.C. Bayonet	12.5	1.98	--	C-2R	57.2	2.25	--	--	400	Rec. Vehicle-Frosted	19
33	1143 K	Intermediate Screw	12.5	1.98	32.00	C-2R	57.2	2.25	--	--	400	Rec. Vehicle	--

Miniature Lamp Specifications



Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
RP-11 BULB 1 3/8" (35 mm) DIAMETER													
1	1195	S.C. Bayonet	12.50	3.00	50.00	C-2V	57.2	2.25	31.8	1.25	300	Auto	19
2	1196	D.C. Bayonet	12.50	3.00	50.00	C-2V	57.2	2.25	31.8	1.25	300	Auto	18
3	1293	S.C. Bayonet	12.50	3.00	50.00	C-2R	57.2	2.25	31.8	1.25	300	Auto	19
4	1139	S.C. Bayonet	12.80	1.04	15.00	C-6	57.2	2.25	31.8	1.25	700	Rec. Vehicle	19
5	1139 IF	S.C. Bayonet	12.80	1.04	--	C-6	57.2	2.25	--	--	700	Rec. Vehicle-Frosted	19
6	1047	S.C. Bayonet	26.00	2.70	105.00	2CC-6	57.2	2.25	31.8	1.25	25	Aircraft	19
7	1054	D.C. Bayonet	32.00	0.74	32.00	C-2V	57.2	2.25	31.8	1.25	100	Marine	18
8	1062	D.C. Bayonet	40.00	0.92	50.00	C-5	57.2	2.25	31.8	1.25	100	Special Service	18
S-8 BULB 1" (25 mm) DIAMETER													
9	1459	S.C. Bayonet	4.00	0.80	2.50	C-2R	50.8	2.00	28.7	1.13	300	Hand Lantern	20
10	1651	S.C. Bayonet	5.00	0.60	3.00	C-2R	50.8	2.00	28.7	1.13	20	Hand Lantern	20
11	1680	S.C. Bayonet	6.00	4.10	32.00	C-6	50.8	2.00	31.8	1.25	300	Aircraft	20
12	1154	D.C. Index	6.3/7.0	2.63/0.75	21.00/3.00	C-6/	50.8	2.00	31.8	1.25	200/1000	Auto	23
13	6	D.C. Bayonet	6.40	3.00	23.00	C-2R	50.8	2.00	31.8	1.25	500	Sewing Machine	21
14	1129	S.C. Bayonet	6.40	2.63	21.00	C-6	50.8	2.00	31.8	1.25	200	Auto	20
15	1130	D.C. Bayonet	6.40	2.63	21.00	C-6	50.8	2.00	31.8	1.25	200	Auto	21
16	1158	D.C. Bayonet	6.4/7.0	2.63/0.75	21.00/3.00	C-6/	50.8	2.00	31.8	1.25	200/1000	Auto	21
17	1460	D.C. pf (A)	6.50	2.75	23.00	C-6	50.8	2.00	31.8	1.25	100	Medical	22
18	1493	D.C. Bayonet	6.50	2.75	23.00	C-6	50.8	2.00	28.7	1.13	100	Instrument	21
19	1630	D.C. pf (A)	6.50	2.75	23.00	C-6	50.8	2.00	25.4	1.00	100	Instrument	22
20	1460X	D.C. pf (A)	6.50	2.75	23.00	C-6	50.8	2.00	31.8	1.25	100	Microscope Illuminator	22
21	1631X	D.C. pf (A)	6.50	2.75	23.00	C-6	50.8	2.00	25.4	1.00	100	Instrument	22
22	1619	S.C. Bayonet	6.70	1.90	15.00	C-6	50.8	2.00	28.7	1.13	500	Instrument	20
23	87	S.C. Bayonet	6.80	1.91	15.00	C-6	50.8	2.00	28.7	1.13	300	Auto	20
24	88	D.C. Bayonet	6.80	1.91	15.00	C-6	50.8	2.00	28.7	1.13	300	Indicator	21
25	8	D.C. Bayonet	8.00	2.20	2.00	C-2R	50.8	2.00	31.8	1.25	500	Sewing Machine	21
26	7506	BA 15s	12.00	1.75	35.00	C-6	52.5	2.10	31.8	1.25	150	Auto	20
27	7507	BAU 15s	12.00	1.75	22.00	C-6	52.5	2.10	31.8	1.25	150	Auto	--
28	7225	BAZ 15d	12.0/12.0	1.75/0.83	35.00/1.20	C-6/	52.5	2.10	31.8	1.25	150/1500	Auto	--
29	7528	BA 15d	12.0/12.0	0.83/1.75	3.00/3.50	C-6/	52.5	2.10	31.8	1.25	1500/1500	Auto	21
30	7527	BA 15s	12.00	1.50	20.00	C-6	52.5	2.10	31.8	1.25	75	Auto	20
31	1295	S.C. Bayonet	12.50	3.00	50.00	C-2R	50.8	2.00	31.8	1.25	200	Auto Signal	20
32	93	S.C. Bayonet	12.80	1.04	15.00	C-2R	50.8	2.00	28.7	1.13	700	Auto	19
33	93 IF	S.C. Bayonet	12.80	1.04	--	C-2R	50.8	2.00	--	--	700	Auto-Frosted	19
34	94	D.C. Bayonet	12.80	1.04	15.00	C-2R	50.8	2.00	28.7	1.13	700	Auto and Marine	20
35	198	D.C. Index	12.8/14.0	2.25/0.68	32.00/3.00	C-6/	50.8	2.00	31.8	1.25	1200/5000	Truck-Heavy Duty	23

Miniature Lamp Specifications

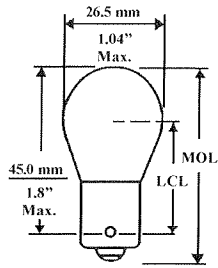


Fig. 20
S-8

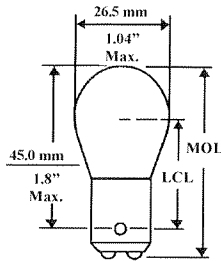


Fig. 21
S-8

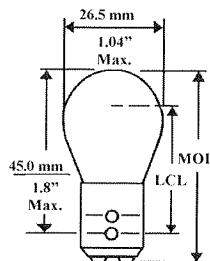


Fig. 23
S-8

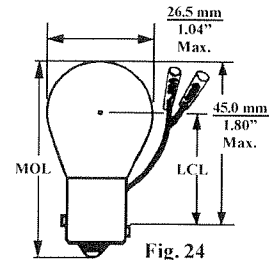
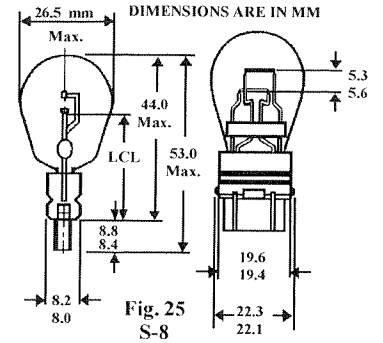
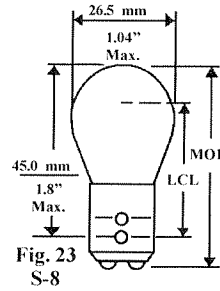
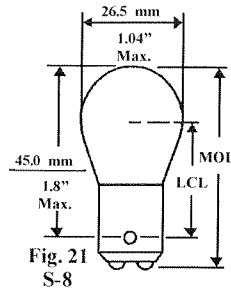
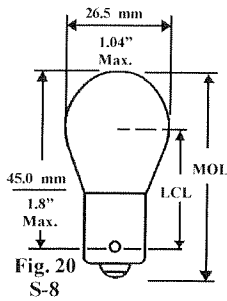


Fig. 24
S-8

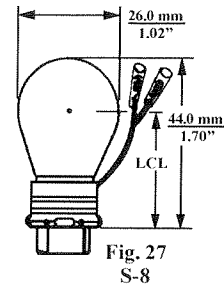
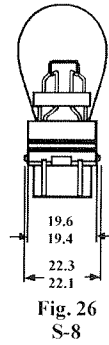
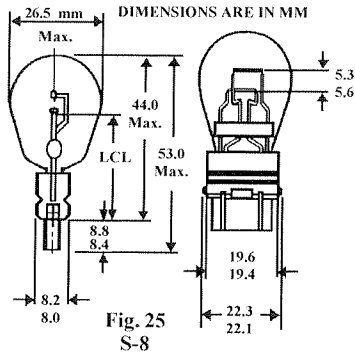
Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
S-8 BULB 1" (25 mm) DIAMETER													
1	199	S.C. Bayonet	12.8	2.25	32.00	C-6	50.8	2.00	31.8	1.25	1200	Truck Signal	20
2	1016	D.C. Index	12.8/ 14.0	1.34/ 0.59	21.0/ 6.0	C-6/ C-6	50.8	2.00	31.8	1.25	200/ 1000	Auto-Park Tail, Signal	23
3	1034	D.C. Index	12.8/ 14.0	1.80/ 0.59	32.00/ 3.00	C-6/ C-6	50.8	2.00	31.8	1.25	200/ 5000	Auto-Park Tail, Signal	23
4	1034 A	D.C. Index	12.8/ 14.0	1.80/ 0.59	--	C-6/ C-6	50.8	2.00	31.8	1.25	200/ 5000	Auto-Coated Amber	23
5	1073	S.C. Bayonet	12.8	1.80	32.00	C-6	50.8	2.00	31.8	1.25	200	Auto Signal	20
6	1076	D.C. Bayonet	12.8	1.80	32.00	C-6	50.8	2.00	31.8	1.25	200	Auto	21
7	1076 IF	D.C. Bayonet	12.8	1.80	--	C-6	50.8	2.00	31.8	1.25	200	Auto-Frosted	21
8	1093	S.C. Bayonet	12.8	1.19	15.00	C-2R	50.8	2.00	31.8	1.25	1000	Auto	20
9	1141	S.C. Bayonet	12.8	1.44	21.00	C-6	50.8	2.00	31.8	1.25	1000	Auto	20
10	1141 A	S.C. Bayonet	12.8	1.44	16.80	C-6	50.8	2.00	31.8	1.25	1000	Auto-Coated Amber	20
11	1141 LL	S.C. Bayonet	12.8	1.44	21.00	C-6	50.8	2.00	31.8	1.25	2000	Auto-Long Life	20
12	1141 IF	S.C. Bayonet	12.8	1.44	--	C-6	50.8	2.00	--	--	1000	Auto-Frosted	20
13	1142	D.C. Bayonet	12.8	1.44	21.00	C-6	50.8	2.00	31.8	1.25	1000	Auto	21
14	1152	D.C. Bayonet	12.8	1.34	21.00	C-2R	50.8	2.00	31.8	1.25	500	Special Service	21
15	1156	S.C. Bayonet	12.8	2.10	32.00	C-6	50.8	2.00	31.8	1.25	1200	Auto/Truck	20
16	1156 A	S.C. Bayonet	12.8	2.10	24.00	C-6	50.8	2.00	31.8	1.25	1200	Auto/Truck-Coated Amber	20
17	1156 DC	D.C. Bayonet	12.8	2.10	32.00	C-6	50.8	2.00	31.8	1.25	1200	School Bus-Double Contact	21
18	1156 LL	S.C. Bayonet	12.8	2.10	32.00	C-6	50.8	2.00	31.8	1.25	2400	Auto-Long Life	20
19	1156 NA	S.C. Bayonet	12.8	2.10	24.00	C-6	50.8	2.00	31.8	1.25	1200	Auto/Truck-Amber	20
20	1156 NB	S.C. Bayonet	12.8	2.10	--	C-6	50.8	2.00	31.8	1.25	1200	Auto/Truck-Blue	20
21	1156 NG	S.C. Bayonet	12.8	2.10	--	C-6	50.8	2.00	31.8	1.25	1200	Auto/Truck-Green	20
22	1156 NP	S.C. Bayonet	12.8	2.10	--	C-6	50.8	2.00	31.8	1.25	1200	Auto/Truck-Purple	20
23	1156 NR	S.C. Bayonet	12.8	2.10	--	C-6	50.8	2.00	31.8	1.25	1200	Auto/Truck-Red	20
24	1157	D.C. Index	12.8/ 14.0	2.10/ 0.59	32.00/ 3.00	C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto/Truck	23
25	1157 A	D.C. Index	12.8/ 14.0	2.10/ 0.59	--	C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto/Truck-Coated Amber	23
26	1157 LL	D.C. Index	12.8/ 14.0	2.10/ 0.59	32.00/ 3.00	C-6	50.8	2.00	31.8	1.25	2400/ 10000	Auto/Truck-Long Life	23
27	1157 NA	D.C. Index	12.8/ 14.0	2.10/ 0.59	--	C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto/Truck-Coated Amber	23
28	1157 NB	D.C. Index	12.8/ 14.0	2.10/ 0.59	--	C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto/Truck-Coated Blue	23
29	1157 NG	D.C. Index	12.8/ 14.0	2.10/ 0.59	--	C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto/Truck-Coated Green	23
30	1157 NP	D.C. Index	12.8/ 14.0	2.10/ 0.59	--	C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto/Truck-Coated Purple	23
31	1157 W	D.C. Index w/connector	12.8/ 14.0	2.10/ 0.59	32.00/ 3.00	C-6/ C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto-Connector	24

Miniature Lamp Specifications



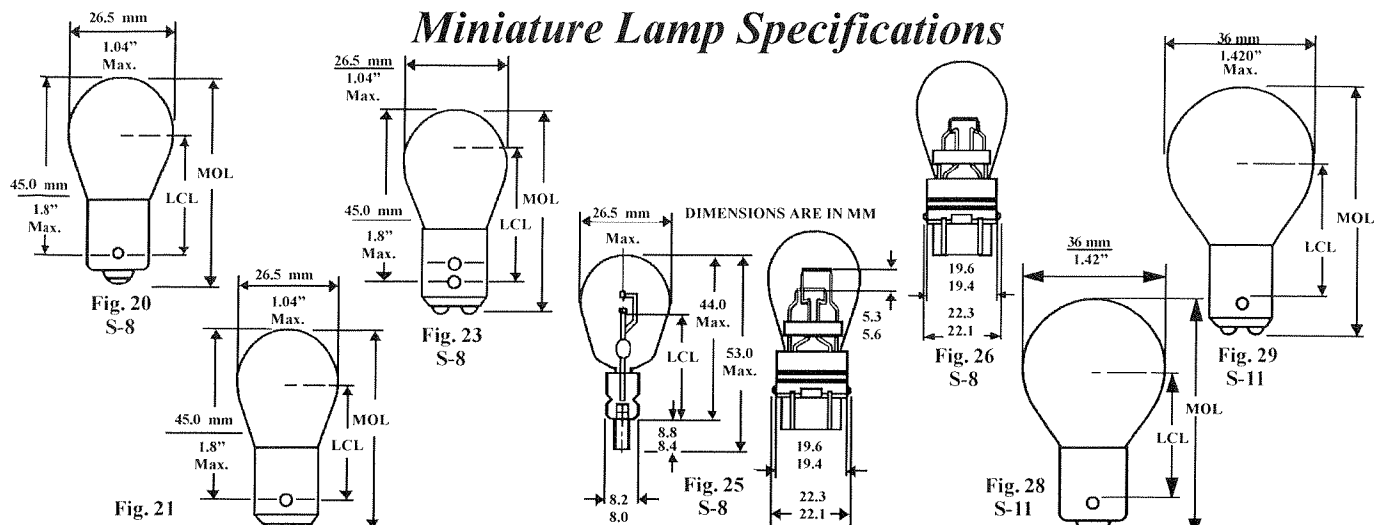
Lin e	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
S-8 BULB 1" (25 mm) DIAMETER													
1	1157 WT	Wire Terminal	12.8 / 14.	2.10/ 0.35	32.00/ 32.00	C-6/ C-6	--	--	--	--	1200/ 5000	Auto	--
2	1159	S.C. Bayonet	12.8	1.60	21.00	C-6	50.8	2.00	31.8	1.25	500	Auto	20
3	1176	D.C. Bayonet	12.8/ 14.0	1.34/ 0.59	21.00/ 6.00	C-6/ C-6	50.8	2.00	31.8	1.25	200/ 1000	Auto	21
4	1376	D.C. Bayonet	12.8/ 14.0	1.60/ 0.64	21.00/ 6.00	C-6/ C-6	50.8	2.00	31.8	1.25	1500/ 2000	Auto	21
5	2057	D.C. Index	12.8 / 14.0	2.10/ 0.48	32.00/ 2.00	C-6/ C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto-Heavy Duty	23
6	2057 A	D.C. Index	12.8 / 14.0	2.10/ 0.48	24.00/ 1.50	C-6/ C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto-Heavy Duty-Amber	23
7	2057 LL	D.C. Index	12.8/ 14.0	2.10/ 0.48	32.00/ 2.00	C-6/ C-6	50.8	2.00	31.8	1.25	2400/ 10000	Auto-Heavy Duty-Long Life	23
8	2057 NA	D.C. Index	12.8 / 14.0	2.10/ 0.48	24.00/ 1.50	C-6/ C-6	50.8	2.00	31.8	1.25	1200/ 5000	Auto-Heavy Duty-Amber	23
7	2057 NALL	D.C. Index	12.8/ 14.4	2.10/ 0.48	24.00/ 1.50	C-6/ C-6	50.8	2.00	31.8	1.25	2400/ 10000	Auto-Heavy Duty-Amber-Long Life	23
10	2357	D.C. Index	12.8/ 14.0	2.20/ 0.59	40.00/ 3.00	C-6/ C-6	50.8	2.00	31.8	1.25	400/ 5000	Auto-Heavy Duty	23
11	2357 A	D.C. Index	12.8/ 14.0	2.20/ 0.59	30.00/ 2.25	C-6/ C-6	50.8	2.00	31.8	1.25	400/ 5000	Auto-Heavy Duty-Amber	23
12	2357 LL	D.C. Index	12.8/ 14.0	2.20/ 0.59	40.00/ 3.00	C-6/ C-6	50.8	2.00	31.8	1.25	800/ 10000	Auto-Heavy Duty-Long Life	23
13	2357 NA	D.C. Index	12.8/ 14.0	2.20/ 0.59	30.00/ 2.25	C-6/ C-6	50.8	2.00	31.8	1.25	400/ 5000	Auto-Heavy Duty-Amber	23
14	2396	S.C. Bayonet	12.8 / 14.0	2.23/ 0.59	40.00/ 3.00	C-6	50.8	2.00	31.8	1.25	400	Auto Stop Lamp	20
15	2397	D.C. Index	12.8/ 14.0	2.23/ 0.59	40.00/ 3.00	C-6/ C-6	50.8	2.00	31.8	1.25	400/ 5000	Auto	23
16	3057	D.F. Plastic Wedge	12.8 / 14.0	2.10/ 0.48	32.00/ 2.00	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty	25
17	3057 LL	D.F. Plastic Wedge	12.8 / 14.0	2.10/ 0.48	32.00/ 2.00	C-6/ C-6	53.0	2.09	27.9	1.10	2400/ 20000	Auto-Heavy Duty-Long Life	25
18	3057 NA	D.F. Plastic Wedge	12.8 / 14.0	2.10/ 0.48	24.00/ 1.50	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 10000	Auto-Heavy Duty-Amber	25
19	3057 NALL	D.F. Plastic Wedge	12.8 / 14.0	2.10/ 0.48	24.00/ 1.00	C-6/ C-6	53.0	2.09	27.9	1.10	2400/ 20000	Auto-Heavy Duty-Amber-Long Life	25
20	3057 B	D.F. Plastic Wedge	12.8 / 14.0	2.10/ 0.48	--	C-6/ C-6	53.0	2.09	27.0	1.10	1200/ 5000	Auto-Heavy Duty-Blue	25
21	3057 G	D.F. Plastic Wedge	12.8 / 14.0	2.10/ 0.48	--	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Green	25
22	3057 P	D.F. Plastic Wedge	12.8 / 14.0	2.10/ 0.48	--	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Purple	25
23	3057 R	D.F. Plastic Wedge	12.8 / 14.0	2.10/ 0.48	--	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Red	25

Miniature Lamp Specifications



Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
S-8 BULB 1" (25 mm) DIAMETER													
1	3155	S.F. Plastic Wedge	12.8	1.60	21.00	C-6	53.0	2.09	27.9	1.10	1000	Auto Signal	26
2	3156	S.F. Plastic Wedge	12.8	2.10	32.00	C-6	53.0	2.09	27.9	1.10	1200	Auto	26
3	3156 LL	S.F. Plastic Wedge Base	12.8	2.10	32.00	C-6	53.0	2.09	27.9	1.10	2000	Auto-Long Life	26
4	3157	D.F. Plastic Wedge	12.8/ 14.0	2.10/ 0.59	32.00/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty	25
5	3157 LL	D.F. Plastic Wedge Base	12.8/ 14.0	2.10/ 0.59	32.00/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	2000/ 10000	Auto-Heavy Duty-Long Life	25
6	3157 A	D.F. Plastic Wedge	12.8/ 14.0	2.10/ 0.59	24.00/ 2.25	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Amber	25
7	3157 B	D.F. Plastic Wedge	12.8/ 14.0	2.10/ 0.59	--	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Blue	25
8	3157 G	D.F. Plastic Wedge	12.8/ 14.0	2.10/ 0.59	--	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Green	25
9	3157 P	D.F. Plastic Wedge	12.8/ 14.0	2.10/ 0.59	--	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Purple	25
10	3157 R	D.F. Plastic Wedge	12.8/ 14.0	2.10/ 0.59	--	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Red	25
11	3157 NA	D.F. Plastic Wedge	12.8/ 14.0	2.10/ 0.59	24.00/ 2.25	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Natural Amber	25
12	3157 NALL	D.F. Plastic Wedge	12.8/ 14.0	2.10/ 0.59	--	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-Heavy Duty-Natural Amber-Long	25
13	3157 W	D.F. Wedge -Connect-A-Lite	12.8/ 14.0	2.10/ 0.59	32.0/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	1200/ 5000	Auto-(Wedge-Connect-A-Lite)	27
14	3357	D.F. Plastic Wedge	12.8 / 14.0	2.20/ 0.59	40.00/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	400/ 500	Heavy Duty	25
15	3357 LL	D.F. Plastic Wedge Base	12.8/ 14.0	2.20/ 0.59	40.00/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	800/ 10000	Auto-Long Life	25
16	3357 NA	D.F. Plastic Wedge	12.8 / 14.0	2.20/ 0.59	30.00/ 2.25	C-6/ C-6	53.0	2.09	27.9	1.10	400/ 500	Heavy Duty-Natural Amber	25
17	3357 NALL	D.F. Plastic Wedge	12.8 / 14.0	2.20/ 0.59	40.00/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	800/ 1000	Heavy Duty-Natural Amber-Long Life	25
18	3456 LL	S.F. Plastic Wedge Base	12.8	2.23	40.00	C-6	53.0	2.09	27.9	1.10	800	Auto	26
19	3457	D.F. Plastic Wedge Base	12.8/ 14.0	2.20/ 0.59	40.00/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	400/ 5000	Auto Heavy Duty	25
20	3457 LL	D.F. Plastic Wedge Base	12.8/ 14.0	2.20/ 0.59	40.00/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	800/ 10000	Auto Heavy Duty-Long Life	25
21	3457 NA	D.F. Plastic Wedge Base	12.8/ 14.0	2.20/ 0.59	30.00/ 2.25	C-6/ C-6	53.0	2.09	27.9	1.10	400/ 5000	Auto Heavy Duty-Natural Amber	25
22	3457 NALL	D.F. Plastic Wedge Base	12.8/ 14.0	2.20/ 0.59	30.00/ 2.25	C-6/ C-6	53.0	2.09	27.9	1.10	800/ 10000	Auto Heavy Duty-Natural Amber-Long	25

Miniature Lamp Specifications



Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application
S-8 BULB 1" (25 mm) DIAMETER												
1	4156 LL	S.F. Plastic Wedge Bas	12.8	2.23	32.00	C-6	53.0	2.09	27.9	1.10	4000	Auto-Long Life
2	4157 LL	D.F. Plastic Wedge Base	12.8/ 14.0	2.23/ 0.59	32.00/ 3.00	C-6/ C-6	53.0	2.09	27.9	1.10	10000	Auto-Long Life
3	4157 NALL	D.F. Plastic Wedge Base	12.8/ 14.0	2.23/ 0.59	24.00/ 2.25	C-6/ C-6	53.0	2.09	27.9	1.10	10000	Auto-Natural Amber-Long Life
4	305	S.C. Bayonet	28.0	0.51	15.00	C-2V	50.8	2.00	28.5	1.12	300	Aircraft
5	305 IF	S.C. Bayonet	28.0	0.51	—	C-2V	50.8	2.00	28.5	1.12	300	Aircraft-Frosted
6	306	D.C. Bayonet	28.0	0.51	15.00	C-2V	50.8	2.00	28.5	1.12	300	Aircraft
7	306 IF	D.C. Bayonet	28.0	0.51	—	C-2V	50.8	2.00	28.5	1.12	300	Aircraft-Frosted
8	307	S.C. Bayonet	28.0	0.67	21.00	C-2V	50.8	2.00	28.5	1.12	300	Aircraft
9	307 IF	S.C. Bayonet	28.0	0.67	—	C-2V	50.8	2.00	28.5	1.12	300	Aircraft-Frosted
10	308	D.C. Bayonet	28.0	0.67	21.00	C-2V	50.8	2.00	28.5	1.12	300	Aircraft
11	308 IF	D.C. Bayonet	28.0	0.67	—	C-2V	50.8	2.00	28.5	1.12	300	Aircraft-Frosted
12	1203	S.C. Bayonet	28.0	0.71	21.00	C-2R	50.8	2.00	31.8	1.25	400	Auto
13	1204	D.C. Bayonet	28.0	0.71	21.00	C-2V	50.8	2.00	31.8	1.25	400	Auto
14	1228	D.C. Bayonet	32.0	0.45	15.00	C-2V	50.8	2.00	28.7	1.13	150	Marine
15	1229	D.C. Bayonet	40.0	0.38	15.00	C-2V	50.8	2.00	28.5	1.12	400	Special Service
16	1591	S.C. Bayonet	28.0	0.61	15.00	C-2V	50.8	2.00	28.5	1.12	1000	Auto
14	1591 IF	S.C. Bayonet	28.0	0.61	—	C-2V	50.8	2.00	28.5	1.12	1000	Aircraft-Frosted
18	1638	D.C. Bayonet	28.0	1.02	32.00	2C-6	50.8	2.00	31.8	1.25	500	Marine
19	1662	D.C. Index	28.0/ 28.0	0.90/ 0.34	32.00/ 6.00	CC-6/ CC-6	50.8	2.00	31.8	1.25	400/ 1000	Aircraft
20	1665	S.C. Bayonet	28.0	0.80	21.00	C-2V	50.8	2.00	28.5	1.12	1000	Aircraft
21	1665 IF	S.C. Bayonet	28.0	0.80	—	C-2V	50.8	2.00	28.5	1.12	1000	Aircraft-Frosted
22	1683	S.C. Bayonet	28.0	1.02	32.00	2C-6	50.8	2.00	31.8	1.25	500	Aircraft
23	1691	S.C. Bayonet	28.0	0.61	15.00	2C-2R	50.8	2.00	28.5	1.12	1000	Aircraft
24	1691 IF	S.C. Bayonet	28.0	0.61	—	2C-2R	50.8	2.00	28.5	1.12	1000	Aircraft-Frosted
25	1692	D.C. Bayonet	28.0	0.61	15.00	2C-2R	50.8	2.00	28.5	1.13	1000	Marine
26	2232	S.C. Bayonet	28.0	0.64	18.00	CC-8	50.8	2.00	30.2	1.19	2000	Aircraft-Spiral Lead
27	2233	S.C. Bayonet	28.0	0.80	21.00	CC-8	50.8	2.00	30.2	1.19	1000	Aircraft-Spiral Lead
28	1580X	S.C. Bayonet	28.0	0.93	32.00	CC-6	50.8	2.00	31.8	1.25	400	Instrument
S-11 BULB 1 3/8" (35 mm) DIAMETER												
29	1723	S.C. Bayonet	6.2	4.50	32.00	C-6	60.5	2.38	31.8	1.25	400	Aircraft
30	1724	D.C. Bayonet	6.2	4.50	32.00	C-6	60.5	2.38	31.8	1.25	400	Indicator
31	309	S.C. Bayonet	28.0	0.90	32.00	C-2V	60.5	2.38	31.8	1.25	300	Aircraft
32	310	D.C. Bayonet	28.0	0.90	32.00	C-2V	60.5	2.38	31.8	1.25	300	Aircraft
33	311	S.C. Bayonet	28.0	1.29	50.00	C-2V	60.5	2.38	31.8	1.25	300	Aircraft
34	312	D.C. Bayonet	28.0	1.29	50.00	C-2V	60.5	2.38	31.8	1.25	300	Aircraft
35	3011	S.C. Bayonet	28.0	1.29	44.00	C-2V	60.5	2.38	31.8	1.25	1000	Aircraft

Miniature Lamp Specifications

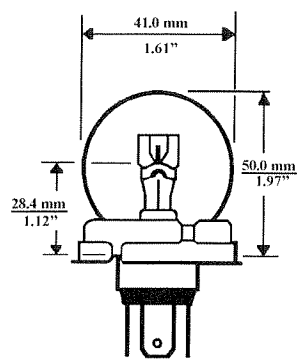


Fig. 30
S-13

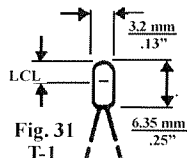


Fig. 31
T-1

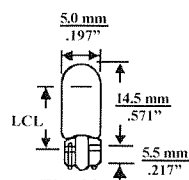


Fig. 32
T-1 1/2

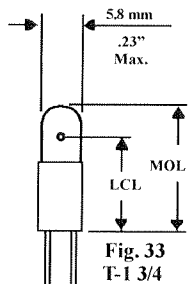


Fig. 33
T-1 3/4

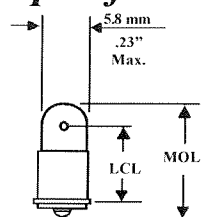


Fig. 34
T-1 3/4

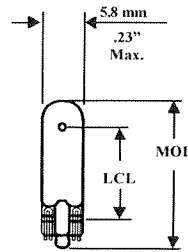


Fig. 35
T-1 3/4

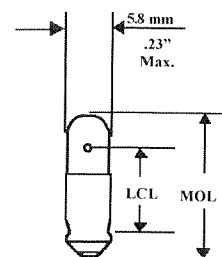


Fig. 36
T-1 3/4

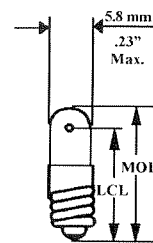


Fig. 37
T-1 3/4

Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application	Fig No
S-13 (R2) Bulb													
1	7951	P45t	12.00	45.00/40.00	48.00/38.00	C-6/C-6	82.0	3.23	28.4	1.12	75/150	Headlamp	30
2	7952	P45t	24.00	55.00/50.00	48.00/38.00	C-6/C-6	82.0	3.23	28.4	1.12	75/150	Headlamp	30
T-1 BULB 1/8" (3 mm) DIAMETER													
3	680	Wire Terminal	5.00	0.06	0.03	C-2R	6.4	0.25	--	--	60000	Aircraft	31
4	715	Wire Terminal	5.00	0.15	0.15	C-2R	6.4	0.25	--	--	40000	Auto	31
5	718	Sub-Midget Flanged	5.00	0.15	0.15	C-2R	9.7	0.38	4.8	0.19	40000	Auto	--
6	7152	Wire Terminal	5.00	0.12	0.15	C-2R	3.8	0.15	--	--	40000	Auto	31
7	7219	Wire Terminal	12.00	0.06	0.15	C-2F	6.4	0.25	--	--	10000	Indicator	31
8	6838	Wire Terminal	28.00	0.024	0.15	CC-2F	6.4	0.25	--	--	4000	Auto	31
T-1 1/2 BULB 3/16" (3 mm) DIAMETER													
9	E79	Sub-Miniature Wedge	6.00	0.20	0.60	C-2F	20.3	0.80	10.2	0.40	1000	Indicator	32
10	E86	Sub-Miniature Wedge	6.30	0.20	0.40	C-2F	20.3	0.80	10.2	0.40	20000	Indicator	32
11	E73	Sub-Miniature Wedge	14.00	0.08	0.30	C-2F	20.3	0.80	10.2	0.40	15000	Auto	32
12	E37	Sub-Miniature Wedge	14.00	0.09	0.50	C-2F	20.3	0.80	10.2	0.40	2500	Auto	32
13	E74	Sub-Miniature Wedge	14.00	0.10	0.70	C-2F	20.3	0.80	10.2	0.40	500	Auto	32
14	E70	Sub-Miniature Wedge	14.00	0.15	1.50	C-2F	20.3	0.80	10.2	0.40	100	Auto	32
15	CE 0209	Wire Terminal	28.00	0.04	0.30	C-2F	13.2	0.52	--	--	2500	Auto	--
16	E85	Sub-Miniature Wedge	28.00	0.04	0.30	C-2F	20.3	0.80	10.2	0.40	7000	Indicator	32
17	E17	Sub-Miniature Wedge	28.00	0.07	0.65	C-2F	20.3	0.80	10.2	0.40	5000	Indicator	32
T-1 3/4 BULB 7/32" (5.5 mm) DIAMETER													
18	1767	Midget Screw	2.50	0.20	0.20	C-2R	16.0	0.63	13.2	0.52	500	Toy	37
19	1769	Midget Screw	2.50	0.20	0.20	C-2R	18.3	0.72	13.2	0.52	500	Auto	37
20	1783	Wire Terminal	2.50	0.20	0.22	C-2R	13.2	0.52	--	--	500	Auto	36
21	338	S.C. Midget Flanged	2.70	0.06	0.04	C-2R	16.0	0.63	9.7	0.38	6000	Indicator	34
22	345	S.C. Midget Flanged	6.00	0.04	0.03	C-2V	16.0	0.63	9.7	0.38	10000	Indicator	34
23	342	Midget Screw	6.00	0.04	0.03	C-2V	18.3	0.72	13.2	0.52	10000	Auto	37
24	79	Sub-miniature Wedge	6.00	0.20	0.60	C-2F	20.3	0.80	10.2	0.40	1000	Indicator	35
25	328	S.C. Midget Flanged	6.00	0.20	0.34	C-2R	16.0	0.63	9.7	0.38	1000	Aircraft	34
26	86	Sub-miniature Wedge	6.30	0.20	0.40	C-2F	20.3	0.80	10.2	0.40	20000	Indicator	35
27	378	Midget Screw	6.30	0.20	0.40	C-2F	18.3	0.72	13.2	0.52	20000	Aircraft	37
28	379	Midget Grooved	6.30	0.20	0.40	C-2F	16.0	0.63	9.7	0.38	20000	Indicator	36
29	381	S.C. Midget Flanged	6.30	0.20	0.40	C-2F	16.0	0.63	9.7	0.38	20000	Indicator	34
30	7381	Bi-Pin	6.30	0.20	0.40	C-2V	16.8	0.66	12.7	0.50	20000	PC Boards	33

Miniature Lamp Specifications

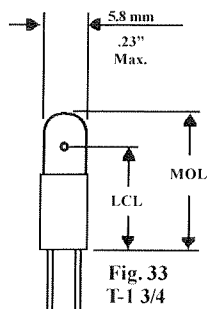


Fig. 33
T-1 3/4

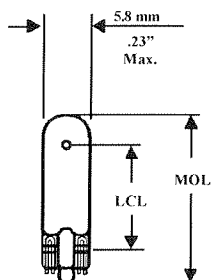


Fig. 35
T-1 3/4

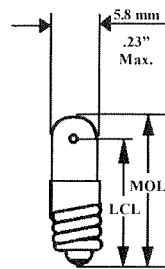


Fig. 37
T-1 3/4

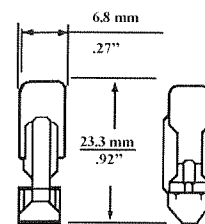


Fig. 39
T-2

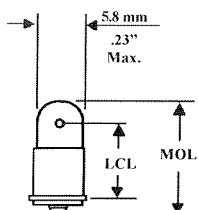


Fig. 34
T-1 3/4

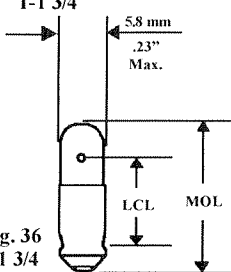


Fig. 36
T-1 3/4

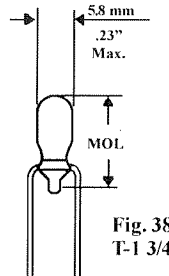


Fig. 38
T-1 3/4

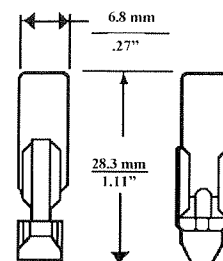
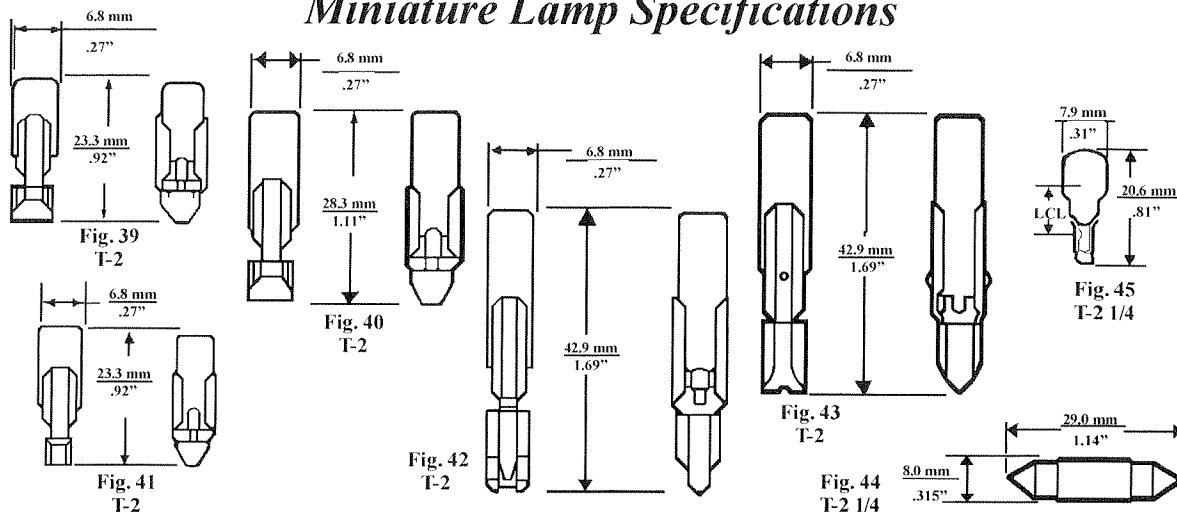


Fig. 40
T-2

Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
T-1 3/4 BULB 7/32" (5.5 mm) DIAMETER													
1	367	S.C. Midget Flanged	10.0	0.04	0.08	C-2F	16.0	0.63	9.7	0.38	5000	Indicator	34
2	7371	Bi-Pin	12.0	0.04	0.12	C-2F	16.0	0.63	12.7	0.50	20000	Auto	33
3	2721	Sub-miniature Wedge	12.0	0.10	0.60	C-2V	20.3	0.80	10.2	0.40	1000	Auto	35
4	18	Sub-miniature Wedge	14.0	0.04	0.13	C-2F	20.3	0.80	10.2	0.40	5000	Auto	35
5	73	Sub-miniature Wedge	14.0	0.08	0.30	C-2F	20.3	0.80	10.2	0.40	15000	Indicator	35
6	330	S.C. Midget Flanged	14.0	0.08	0.50	C-2F	16.0	0.63	9.7	0.38	1500	Aircraft	34
7	382	S.C. Midget Flanged	14.0	0.08	0.30	C-2F	16.0	0.63	9.7	0.38	15000	Indicator	34
8	386	Midget Grooved	14.0	0.08	0.30	C-2F	16.0	0.63	9.7	0.38	15000	Indicator	36
9	7382	Bi-Pin	14.0	0.08	0.30	C-2F	16.0	0.63	12.7	0.50	15000	Auto	33
10	2182D	Wire Terminal	14.0	0.08	0.30	C-2F	13.2	0.52	--	--	40000	Indicator	38
11	336	Midget Grooved	14.0	0.08	0.50	C-2F	16.0	0.63	9.7	0.38	1500	Auto	36
12	37	Sub-miniature Wedge	14.0	0.09	0.50	C-2F	20.3	0.80	10.2	0.40	2500	Auto	35
13	74	Sub-miniature Wedge	14.0	0.10	0.70	C-2F	20.3	0.80	10.2	0.40	500	Auto	35
14	7373	Bi-Pin	14.0	0.10	0.50	C-2F	16.0	0.63	12.7	0.50	10000	PC Boards	33
15	2162D	Wire Terminal	14.0	0.10	0.50	C-2F	13.2	0.52	--	--	10000	Indicator	38
16	PC74	Socket & Lamp Assembly	14.0	0.10	0.70	--	--	--	--	--	500	Indicator	--
17	70	Sub-miniature Wedge	14.0	0.15	1.50	C-2F	20.3	0.80	10.2	0.40	100	Auto	35
18	85	Sub-miniature Wedge	28.0	0.04	0.30	C-2F	20.3	0.80	10.2	0.40	7000	Indicator	35
19	327	S.C. Midget Flanged	28.0	0.04	0.34	C-2R	16.0	0.63	9.7	0.38	4000	Aircraft	34
20	334	Midget Grooved	28.0	0.04	0.34	C-2F	16.0	0.63	9.7	0.38	4000	Aircraft	36
21	335	Midget Screw	28.0	0.04	0.34	C-2F	18.3	0.72	13.2	0.52	4000	Indicator	37
22	387	S.C. Midget Flanged	28.0	0.04	0.30	C-2F	16.0	0.63	9.7	0.38	7000	Indicator	34
23	388	Midget Grooved	28.0	0.04	0.30	C-2F	16.0	0.63	9.7	0.38	7000	Indicator	36
24	2187	Wire Terminal	28.0	0.04	0.30	C-2F	13.2	0.52	--	--	7000	Indicator	38
25	7327	Bi-Pin	28.0	0.04	0.34	C-2F	16.0	0.63	12.7	0.50	7000	Aircraft	33
26	376	S.C. Midget Flanged	28.0	0.06	0.34	C-2F	16.0	0.63	9.7	0.38	25000	Auto	34
27	17	Sub-miniature Wedge	28.0	0.065	0.65	C-2F	20.3	0.80	10.2	0.40	5000	Indicator	35
T-2 BULB 1/4" (6.8 mm) DIAMETER													
28	5ESB	Slide # 5 - Short	5.0	0.04	225 EFC*	C-2V	23.2	0.92	--	--	5000	Telephone	39
29	6PSB	Slide # 5	6.0	0.14	550 EFC*	C-2F	28.3	1.11	--	--	5000	Telephone	40
30	6ESB	Slide # 5 - Short	6.0	0.04	250 EFC*	C-2F	23.2	0.92	--	--	5000	Telephone	39
31	6SLB	Slide # 5	6.0	0.12	1700 EFC*	C-2V	28.3	1.11	--	--	2500	Telephone	40
32	10ESB	Slide # 5 - Short	10.0	0.04	450 EFC*	C-2V	23.3	0.92	--	--	10000	Telephone	39

*EFC = End Foot Candles

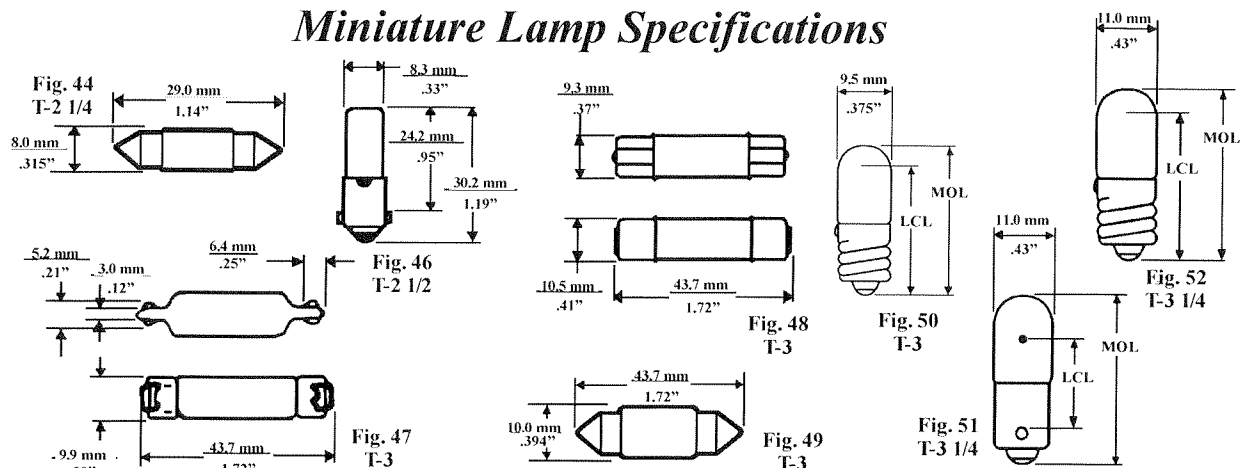
Miniature Lamp Specifications



Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
T-2 BULB 1/4" (6.8 mm) DIAMETER													
1	51A	Slide # 6	10.00	0.04	460 EFC*	C-6	23.2	0.92	--	--	10000	Telephone	41
2	12C	Slide # 1	12.00	0.17	1500 EFC*	C-2V	42.9	1.69	--	--	5000	Telephone	42
3	12C1	Slide # 1	12.00	0.17	3500 EFC*	C-2V	42.9	0.92	--	--	5000	Telephone	43
4	12PSB	Slide # 5	12.00	0.17	2000 EFC*	C-2F	28.3	1.11	--	--	12000	Telephone	40
5	12ESB	Slide #5	12.00	0.04	650 EFC*	C-2V	23.2	0.92	--	--	5000	Telephone	39
6	16ESB	Slide # 5	16.00	0.04	800 EFC*	C-2F	28.0	1.11	--	--	7500	Telephone	39
7	16CSB	Slide # 5	16.00	0.17	80 EFC*	C-2F	23.2	0.92	--	--	5000	Telephone	39
8	18ESB	Slide # 5	18.00	0.04	850 EFC*	C-2F	23.2	0.92	--	--	5000	Telephone	39
9	24E	Slide # 3	24.00	0.04	600 EFC*	C-2F	42.9	1.69	--	--	7000	Telephone	43
10	24E1	Slide # 3	24.00	0.04	450 EFC*	C-2F	42.9	1.69	--	--	5000	Telephone	43
11	24E2	Slide # 2	24.00	0.04	500 EFC*	C-2F	42.9	1.69	--	--	5000	Telephone	--
12	24EX	Slide # 1	24.00	0.04	350 EFC*	C-2F	42.9	1.69	--	--	5000	Telephone	--
13	24X	Slide # 2	24.00	0.04	350 EFC*	C-2F	42.9	1.69	--	--	8000	Telephone	--
14	24ESB	Slide # 5	24.00	0.07	850 EFC*	C-2F	28.3	1.11	--	--	10000	Telephone	39
15	52A	Slide # 6	24.00	0.03	430 EFC*	C-2F	23.3	0.92	--	--	5000	Telephone	41
16	24PSB	Slide # 5	24.00	0.07	3000 EFC*	C-2F	28.3	1.11	--	--	10000	Telephone	40
17	12C2	Slide # 2	24.00	0.10	3500 EFC*	C-2V	42.9	1.69	--	--	5000	Telephone	--
18	24D1	Slide # 1	24.00	0.10	2000 EFC*	C-2V	42.9	1.69	--	--	5000	Telephone	--
19	24CSB	Slide # 5	24.00	0.17	100 EFC*	C-2F	28.3	1.11	--	--	15000	Telephone	39
20	28PSB	Slide # 5	28.00	0.04	1600 EFC*	C-2F	28.3	1.11	--	--	5000	Telephone	40
21	28ESB	Slide # 5	28.00	0.04	1500 EFC*	C-2F	28.3	1.11	--	--	6000	Telephone	39
22	48PSB	Slide # 5	48.00	0.05	1800 EFC*	C-7A	28.3	1.11	--	--	10000	Telephone	40
23	48C2	Slide # 2	48.00	0.04	400 EFC*	C-2F	42.9	1.69	--	--	5000	Telephone	--
24	48ESB	Slide # 5	48.00	0.04	3000 EFC*	CC-2F	28.9	1.11	--	--	5000	Telephone	39
25	55C2	Slide # 2	55.00	0.05	2200 EFC*	C-2F	42.9	1.69	--	--	5000	Telephone	--
26	60PSB	Slide # 5	60.00	0.05	2200 EFC*	C-7A	28.3	1.11	--	--	7500	Telephone	40
27	120PSB	Slide # 5	120.00	0.03	1200 EFC*	CC-7A	28.3	1.11	--	--	75000	Telephone	40
28	155PSB	Slide # 5	155.00	0.03	--	CC-7A	28.3	1.11	--	--	10000	Telephone	40
T-2 1/4 BULB 11/32" (8.7 mm) DIAMETER													
29	3021	Cone Shaped	12.00	3W	2.00	--	29.0	1.14	--	--	1000	Auto-Interior	44
30	3021 A	Cone Shaped	12.00	3W	--	--	29.0	1.14	--	--	1000	Auto-Interior-Amber	44
31	3021 B	Cone Shaped	12.00	3W	--	--	29.0	1.14	--	--	1000	Auto-Interior-Blue	44
32	3021 G	Cone Shaped	12.00	3W	--	--	29.0	1.14	--	--	1000	Auto-Interior-Green	44
33	3021 P	Cone Shaped	12.00	3W	--	--	29.0	1.14	--	--	1000	Auto-Interior-Purple	44
34	3021 R	Cone Shaped	12.00	3W	--	--	29.0	1.14	--	--	1000	Auto-Interior-Red	44
35	3022	Cone Shaped	12.00	5W	3.00	--	29.0	1.14	--	--	1000	Auto-Interior	44
36	24	Wedge	14.00	0.24	2.00	C-2V	20.6	0.81	11.7	0.46	1500	Auto-Instrument	45
37	24 NA	Wedge	14.00	0.24	1.50	C-2V	20.6	0.81	11.7	0.46	1500	Auto-Natural Amber	45

*EFC = End Foot Candles

Miniature Lamp Specifications



Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application	Fig No.
T-2 1/2 BULB 5/16" (7.9 mm) DIAMETER													
1	6MB	Miniature Bayonet	6.00	0.14	0.12	C-2F	30.2	1.19	24.2	0.95	20000	Indicator	46
2	12MB	Miniature Bayonet	12.00	0.17	0.35	C-2F	30.2	1.19	24.2	0.95	12000	Indicator	46
3	6428	SV7-8	12.00	0.25	2.40	C-8	28.0	1.10	--	--	200	Auto	44
4	24MB	Miniature Bayonet	24.00	0.07	0.50	C-2F	30.2	1.19	24.2	0.95	10000	Indicator	46
5	6430	SV7-8	24.00	0.125	1.20	C-8	28.0	1.10	--	--	200	Auto	44
6	28MB	Miniature Bayonet	28.00	0.04	0.29	C-2F	30.2	1.19	24.2	0.95	5000	Indicator	46
7	48MB	Miniature Bayonet	48.00	0.05	--	C-7A	30.2	1.19	24.2	0.95	10000	Indicator	46
8	60MB	Miniature Bayonet	60.00	0.05	0.73	C-7A	30.2	1.19	24.2	0.95	7500	Indicator	46
9	90MB	Miniature Bayonet	90.00	0.03	0.37	CC-7A	30.2	1.19	24.2	0.95	5000	Indicator	46
10	120MB	Miniature Bayonet	120.00	0.025	0.32	CC-7A	30.2	1.19	24.2	0.95	7500	Indicator	46
11	120MB6	Miniature Bayonet	120.00	0.052	1.43	CC-7A	30.2	1.19	24.2	0.95	3000	Indicator	46
12	130MB	Miniature Bayonet	130.00	0.03	0.36	CC-7A	30.2	1.19	24.2	0.95	7500	Indicator	46
13	155MB	Miniature Bayonet	155.00	0.03	0.80	CC-7A	30.2	1.19	24.2	0.95	10000	Indicator	46
T-3 BULB 3/8" (9.5 mm) DIAMETER													
14	561	Rigid Loop	12.80	0.97	12.0	C-8	43.7	1.72	--	--	1000	Auto-Dome	47
15	211-2	Dbl. End Caps	12.80	0.97	12.00	C-8	43.7	1.72	--	--	1000	Auto	48
16	E211-2	Festoon Caps	12.80	0.97	12.00	C-8	43.7	1.72	--	--	1000	Auto-Interior	49
17	E211-2 A	Festoon Caps	12.80	0.97	--	C-8	43.7	1.72	--	--	1000	Auto-Interior-Amber	49
18	E211-2 B	Festoon Caps	12.80	0.97	--	C-8	43.7	1.72	--	--	1000	Auto-Interior-Blue	49
19	E211-2 G	Festoon Caps	12.80	0.97	--	C-8	43.7	1.72	--	--	1000	Auto-Interior-Green	49
20	E211-2 P	Festoon Caps	12.80	0.97	--	C-8	43.7	1.72	--	--	1000	Auto-Interior-Purple	49
21	E211-2 R	Festoon Caps	12.80	0.97	--	C-8	43.7	1.72	--	--	1000	Auto-Interior-Red	49
22	E211-2 Y	Festoon Caps	12.80	0.97	--	C-8	43.7	1.72	--	--	1000	Auto-Interior-Yellow	49
23	E214-2	Festoon Caps	13.50	0.52	4.00	C-8	43.7	1.72	--	--	1000	Auto-Interior	49
24	562	Rigid Loop	13.50	0.74	6.00	C-8	43.7	1.72	--	--	2000	Auto-Interior	47
25	212-2	Dbl. End Caps	13.50	0.74	6.00	C-8	43.7	1.72	--	--	2000	Auto	48
26	E212-2	Festoon Caps	13.50	0.74	6.00	C-8	43.7	1.72	--	--	2000	Auto-Interior	49
27	564	Rigid Loop	14.00	0.44	2.00	C-8	43.7	1.72	--	--	2000	Auto	47
28	1477	Miniature Screw	24.00	0.17	3.30	C-2V	30.2	1.19	20.6	0.81	250	Auto	50
T-3 1/4 BULB 13/32" (10 mm) DIAMETER													
29	49	Miniature Bayonet	2.00	0.06	0.04	S-2	30.2	1.19	--	--	1000	Radio	51
30	49X	Miniature Bayonet	2.00	0.06	0.04	S-2	30.2	1.19	--	--	1000	Radio	51
31	41	Miniature Screw	2.50	0.50	0.50	C-2R	30.2	1.19	24.6	0.97	3000	Indicator	52
32	43	Miniature Bayonet	2.50	0.50	0.50	C-2R	30.2	1.19	19.8	0.78	3000	Indicator	51
33	1432	Miniature Screw	3.20	0.16	0.20	C-2R	30.2	1.19	24.6	0.97	3000	Indicator	52
34	1490	Miniature Bayonet	3.20	0.16	0.20	C-2R	30.2	0.94	19.8	0.78	3000	Radio	51
35	45	Miniature Bayonet	3.20	0.35	0.50	C-2R	30.2	0.94	19.8	0.78	3000	Radio	51
36	1906	Miniature Bayonet	5.00	0.07	0.19	C-6	30.2	0.94	16.0	0.63	1000	Signal	51
37	1850	Miniature Bayonet	5.00	0.09	0.25	C-2R	30.2	0.40	16.0	0.63	1500	Signal	51

Miniature Lamp Specifications

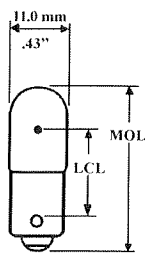


Fig. 51
T-3 1/4

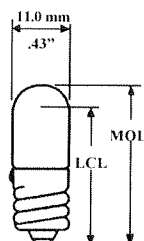


Fig. 52
T-3 1/4

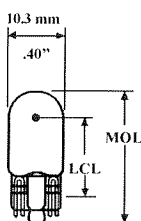


Fig. 53
T-3 1/4

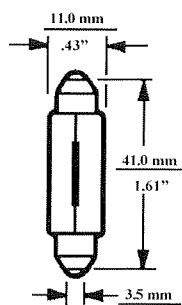


Fig. 54
T-3 1/4

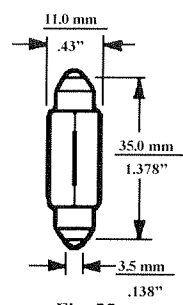


Fig. 55
T-3 1/4

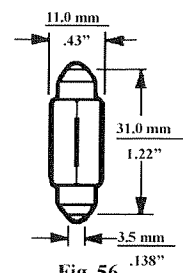


Fig. 56
T-3 1/4

Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application	Fig No
T-3 1/4 BULB 13/32" (10 mm) DIAMETER													
1	285	Wedge	5.00	0.09	0.25	C-2R	26.8	1.06	14.2	0.56	1500	Signal	53
2	1847	Miniature Bayonet	6.30	0.15	0.38	C-2R	30.2	1.19	19.8	0.78	5000+	Radio	51
3	40	Miniature Screw	6.30	0.15	0.52	C-2R	30.2	1.19	24.6	0.97	3000	Radio	52
4	47	Miniature Bayonet	6.30	0.15	0.52	C-2R	30.2	1.19	19.8	0.78	3000	Radio	51
5	755	Miniature Bayonet	6.30	0.15	0.33	C-2R	30.2	1.19	19.8	0.78	20000	Indicator	51
6	1866	Miniature Bayonet	6.30	0.25	0.65	C-2R	30.2	1.19	19.8	0.78	5000	Radio	51
7	259	Wedge	6.30	0.25	0.65	C-2F	26.8	1.06	16.5	0.65	5000	Radio	53
8	44	Miniature Bayonet	6.30	0.25	0.90	C-2R	30.2	1.19	19.8	0.78	3000	Indicator	51
9	46	Miniature Screw	6.30	0.25	0.90	C-2R	30.2	1.19	24.6	0.97	3000	Radio	52
10	555	Wedge	6.30	0.25	0.90	C-2R	26.8	1.06	16.5	0.65	3000	Coin Machine	53
11	239	Miniature Bayonet	6.30	0.36	0.67	C-2R	30.2	1.19	15.2	0.60	5000	Radio	51
12	1810	Miniature Bayonet	6.30	0.40	1.40	C-2R	30.2	1.19	18.3	0.72	3000	Special Service	51
13	447	Wedge	6.30	0.150	0.52	C-2V	26.8	1.06	14.2	0.56	1500	Indicator, Coin	53
14	147	Wedge	7.00	0.43	2.00	C-2R	26.8	1.06	14.2	0.56	1500	Indicator	53
15	1888	Miniature Bayonet	7.00	0.50	2.00	C-2R	30.2	1.19	14.2	0.56	1500	Auto	51
16	1408	Miniature Bayonet	10.00	0.13	0.80	C-2V	30.2	1.19	16.0	0.63	250	Signal	51
17	280	Wedge	10.00	0.13	0.85	C-2V	26.8	1.06	14.2	0.56	250	Indicator	53
18	3175	Festoon	12.00	10 W	9.55	C-8	31.0	1.22	--	--	400	Auto-Interior	56
19	3175 A	Festoon	12.00	10 W	--	C-8	31.0	1.22	--	--	400	Auto-Interior-Amber	56
20	3175 B	Festoon	12.00	10 W	--	C-8	31.0	1.22	--	--	400	Auto-Interior-Blue	56
21	3175 G	Festoon	12.00	10 W	--	C-8	31.0	1.22	--	--	400	Auto-Interior-Green	56
22	3157 P	Festoon	12.00	10 W	--	C-8	31.0	1.22	--	--	400	Auto-Interior-Purple	56
23	3175 R	Festoon	12.00	10 W	--	C-8	31.0	1.22	--	--	400	Auto-Interior-Red	56
24	3175 Y	Festoon	12.00	10 W	--	C-8	31.0	1.22	--	--	400	Auto-Interior-Yellow	56
25	2821	Wedge	12.00	0.25	1.76	C-2V	26.8	1.06	12.7	0.50	1000	Auto	53
26	2825	Wedge	12.00	0.40	4.00	C-2R	26.8	1.06	12.7	0.50	300	Auto	53
27	6413	Festoon	12.00	0.40	4.00	C-8	41.0	1.61	--	--	200	Auto	54
28	6418	Festoon	12.00	0.40	4.93	C-8	35.0	1.38	--	--	300	Auto	55
29	6411	Festoon	12.00	0.83	8.00	C-8	41.0	1.61	--	--	200	Auto	55
30	6461	Festoon	12.00	0.83	8.35	C-8	35.0	1.38	--	--	200	Auto	55
31	1816	Miniature Bayonet	13.00	0.33	3.00	C-2V	30.2	1.19	16.0	0.63	1000	Aircraft, Auto	51
32	192	Wedge	13.00	0.33	3.00	C-2V	26.8	1.06	14.2	0.56	1000	Automotive	53
33	558	Wedge	13.00	0.33	--	C-2V	26.8	1.06	--	--	500	Auto and Indicator Lens end	53
34	3652	Wedge	13.50	0.37	6.00	C-6	26.8	1.06	12.7	0.50	500	Auto-Krypton	53
35	1250X	Wedge Xenon	13.50	0.37	5.00	C-2V	26.8	1.06	12.7	0.50	500	Xenon	53
36	1251X-1	Wedge Xenon	13.50	0.37	4.40	C-2V	26.8	1.06	12.7	0.50	1000	Xenon	53
37	1252X-2	Wedge Xenon	13.50	0.37	4.00	C-2V	26.8	1.06	12.7	0.50	2000	Xenon	53
38	658	Wedge	14.00	0.08	0.31	C-2F	26.8	1.06	14.2	0.56	15000	Indicator	53
39	756	Miniature Bayonet	14.00	0.08	0.31	C-2F	30.2	1.19	16.0	0.63	15000	Indicator	51
40	1488	Miniature Bayonet	14.00	0.15	1.50	C-2V	30.2	1.19	16.0	0.63	200	Coin Machine	51
41	159	Wedge	14.00	0.15	1.50	C-2V	30.2	1.19	14.2	0.56	200	Radio, TV, Indicator	53

Miniature Lamp Specifications

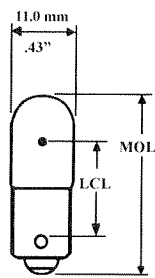


Fig. 51
T-3 1/4

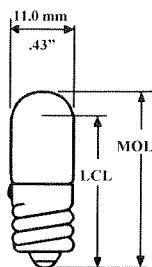


Fig. 52
T-3 1/4

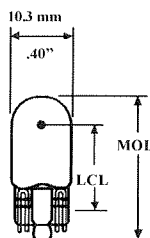


Fig. 53
T-3 1/4

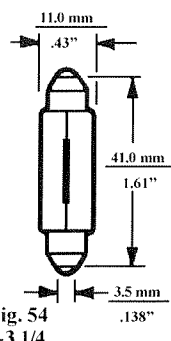


Fig. 54
T-3 1/4

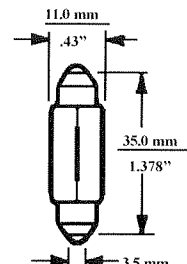


Fig. 55
T-3 1/4

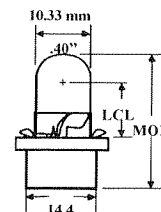


Fig. 57
T-3 1/4

Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application	Fig No
T-3 1/4 BULB 13/32" (10 mm) DIAMETER													
1	161	Wedge	14.0	0.19	1.00	C-2F	26.8	1.06	14.2	0.56	4000+	Auto Instrument	53
2	PC161	Bulb & Socket	14.0	0.19	1.00	C-2F	28.2	1.11	11.4	0.45	4000	Auto Instrument	57
3	1487	Miniature Screw	14.0	0.20	1.40	C-2V	30.2	1.19	23.9	0.94	3000	Indicator	52
4	1815	Miniature Bayonet	14.0	0.20	1.40	C-2V	30.2	1.19	19.1	0.75	3000	Indicator	51
5	1889	Miniature Bayonet	14.0	0.27	2.00	C-2F	30.2	1.19	14.2	0.56	1500	Auto	51
6	194	Wedge	14.0	0.27	2.00	C-2F	26.8	1.06	14.2	0.56	2500	Auto Instrument	53
7	194 NA	Wedge	14.0	0.27	1.50	C-2F	26.8	1.06	14.2	0.56	2500	Auto-Natural Amber	53
8	194 LL	Wedge	14.0	0.27	2.00	C-2F	26.8	1.06	14.2	0.56	5000	Auto-Long Life	53
9	194 A	Wedge	14.0	0.27	--	C-2F	26.8	1.06	14.2	0.56	2500	Auto-Amber	53
10	194 B	Wedge	14.0	0.27	--	C-2F	26.8	1.06	14.2	0.56	2500	Auto-Blue	53
11	194 G	Wedge	14.0	0.27	--	C-2F	26.8	1.06	14.2	0.56	2500	Auto-Green	53
12	194 P	Wedge	14.0	0.27	--	C-2F	26.8	1.06	14.2	0.56	2500	Auto-Purple	53
13	194 R	Wedge	14.0	0.27	--	C-2F	26.8	1.06	14.2	0.56	2500	Auto-Red	53
14	194 Y	Wedge	14.0	0.27	--	C-2F	26.8	1.06	14.2	0.56	2500	Auto-Yellow	53
15	256	Miniature Bayonet	14.0	0.27	1.60	C-2R	30.2	1.19	16.0	0.63	500	Auto Flashing	51
16	1898	Miniature Bayonet	14.0	0.29	2.00	2C-2R	30.2	1.19	16.0	0.63	7500	Auto Radio	51
17	1893	Miniature Bayonet	14.0	0.33	2.00	C-2F	30.2	1.19	16.0	0.63	7500	Auto	51
18	193	Wedge	14.0	0.33	2.00	C-2F	26.8	1.06	14.2	0.56	7500	Auto Instrument	53
19	193 E ①②	Wire Terminal	14.0	0.33	2.00	C-2F	27.2	1.07	14.2	0.56	7500	Truck	--
20	168	Wedge	14.0	0.35	3.00	C-2F	26.8	1.06	14.2	0.56	1500	Auto Instrument	53
21	PC168	Bulb & Socket	14.0	0.35	3.00	C-2F	28.2	1.11	11.4	0.45	1500	Auto Instrument	57
22	158	Wedge	14.0	0.24	2.00	C-2V	26.8	1.06	14.2	0.56	500	Auto Instrument	53
23	PC194	Bulb & Socket	14.0	0.27	2.00	C-2F	28.2	1.11	11.4	0.45	2500	Auto Instrument	57
24	1813	Miniature Bayonet	14.4	0.10	0.86	C-2V	30.2	1.19	16.0	0.63	1000	Radio	51
25	1892	Miniature Bayonet	14.4	0.12	0.75	C-2F	30.2	1.19	16.0	0.63	1000	Radio	51
26	184	Wedge	14.4	0.24	1.00	C-2F	26.8	1.06	19.2	0.56	7000	Auto, Instrument	53
27	1881	Miniature Bayonet	15.5	0.24	2.20	C-2F	30.2	1.19	16.0	0.63	500	Auto, Radio	51
28	1818	Miniature Bayonet	24.0	0.17	3.30	C-2F	30.2	1.19	16.0	0.63	250	Aircraft	51
29	6423	Festoon	24.0	0.20	3.60	C-8	35.0	1.38	--	--	300	Auto	55
30	2450X	Wedge Xenon	24.0	0.21	4.40	C-2V	26.8	1.06	12.7	0.50	5000	Xenon	53
31	6429	Festoon	24.0	0.42	8.40	C-8	41.0	1.61	--	--	200	Auto	54
32	1843	Miniature Bayonet	28.0	0.02	0.20	C-2F	30.2	0.40	16.0	0.63	3000	Indicator	51
33	1819	Miniature Bayonet	28.0	0.04	0.34	C-2F	30.2	1.19	16.0	0.63	2500	Indicator	51
34	585	Wedge	28.0	0.04	0.30	C-2F	26.8	1.06	14.2	0.56	7000	Indicator	53
35	656	Wedge	28.0	0.06	0.62	C-2F	26.8	1.06	14.2	0.56	2500	Indicator	53
36	152	Wedge	28.0	0.065	0.85	C-2F	26.8	1.06	12.7	0.50	10000	Indicator	53
37	1829	Miniature Bayonet	28.0	0.07	1.00	C-2F	30.2	1.19	16.0	0.63	1000	Indicator	51
38	657	Wedge	28.0	0.08	0.62	C-2F	26.8	1.06	14.2	0.56	15000	Indicator	53
39	757	Miniature Bayonet	28.0	0.08	0.62	C-2F	30.2	1.19	16.0	0.63	15000	Indicator	51
40	1820	Miniature Bayonet	28.0	0.10	1.60	C-2F	30.2	1.19	16.0	0.63	1000	Indicator	51
41	400	Wedge	28.0	0.10	1.60	C-2F	26.8	1.06	14.2	0.56	1000	Aircraft	52

① 193E1 Nickel Wire Terminal
② 193E2 Tinned Terminal

Miniature Lamp Specifications

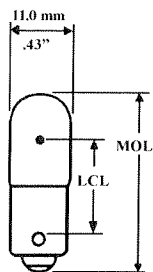


Fig. 51
T-3 1/4

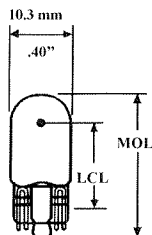


Fig. 53
T-3 1/4

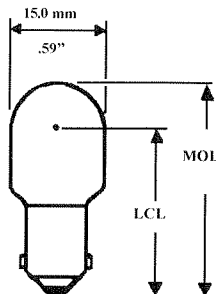


Fig. 59
T-4 1/2

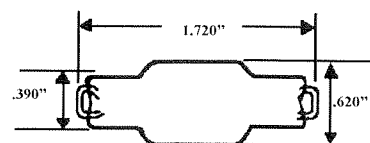


Fig. 62
T-4 3/4

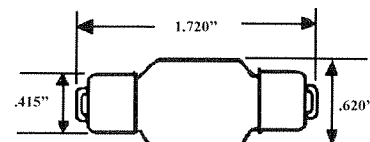


Fig. 61
T-4 3/4

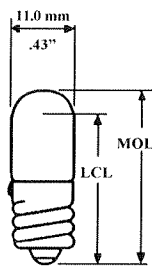


Fig. 52
T-3 1/4

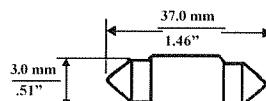


Fig. 58
T-4

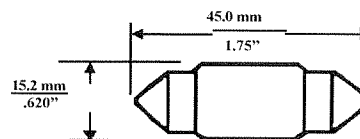


Fig. 60
T-4 3/4

Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg. Life	Primary Application	Fig No
T-3 1/4 BULB 13/32" (10 mm) DIAMETER													
1	1821	Miniature Screw	28.0	0.17	3.40	C-2F	30.2	1.19	20.5	0.81	500	Indicator	52
2	1864	Miniature Bayonet	28.0	0.17	3.00	C-2F	30.2	1.19	16.0	0.63	1500	Auto Instrument	51
3	313	Miniature Bayonet	28.0	0.17	3.50	C-2F	30.2	1.19	16.0	0.63	500	Aircraft	51
4	464	Wedge	28.0	0.17	3.00	C-2F	26.8	1.06	14.2	0.56	1500	Aircraft	53
5	1873	Miniature Bayonet	28.0	0.20	3.00	C-2F	30.2	1.19	16.0	0.63	7000	Aircraft	51
6	655	Wedge	28.0	0.20	3.00	C-2F	26.8	1.06	14.2	0.56	7000	Indicator	53
7	1822	Miniature Bayonet	36.0	0.10	2.10	C-2F	30.2	1.19	16.0	0.63	1000	Indicator	51
8	1828	Miniature Bayonet	37.5	0.05	0.65	C-2F	30.2	1.19	16.0	0.63	3000	Indicator	51
9	1823	Miniature Screw	48.0	0.10	3.20	C-2F	30.2	1.19	20.5	0.81	1000	Indicator	52
10	1835	Miniature Bayonet	55.0	0.05	1.10	C-6	30.2	1.19	16.0	0.63	5000+	Indicator	51
T-4 BULB 1/2" (14 mm) DIAMETER													
11	3423	Festoon Cap	12.0	5 Watt	4.00	C-8	37.0	1.46	--	--	500	Auto-Interior	58
12	3423 A	Festoon Cap	12.0	5 Watt	4.00	C-8	37.0	1.46	--	--	500	Auto-Interior-Amber	58
13	3423 B	Festoon Cap	12.0	5 Watt	4.00	C-8	37.0	1.46	--	--	500	Auto-Interior-Blue	58
14	3423 G	Festoon Cap	12.0	5 Watt	4.00	C-8	37.0	1.46	--	--	500	Auto-Interior-Green	58
15	3423 P	Festoon Cap	12.0	5 Watt	4.00	C-8	37.0	1.46	--	--	500	Auto-Interior-Purple	58
16	3423 R	Festoon Cap	12.0	5 Watt	4.00	C-8	37.0	1.46	--	--	500	Auto-Interior-Red	58
17	3423 Y	Festoon Cap	12.0	5 Watt	4.00	C-8	37.0	1.46	--	--	500	Auto-Interior-Yellow	58
18	3425	Festoon Cap	12.0	10 Watt	9.55	C-8	37.0	1.46	--	--	400	Auto-Interior	58
T-4 1/2 BULB 9/16" (14 mm) DIAMETER													
19	500	Miniature Screw	9.8	0.50	4.60	C-2R	35.0	1.38	18.3	0.72	200	Auto	--
20	1414	Miniature Bayonet	14.0	0.46	6.00	C-2R	35.0	1.38	16.0	0.63	500	Aircraft	59
21	1495	Miniature Bayonet	28.0	0.30	6.00	C-2F	35.0	1.38	16.0	0.63	500	Aircraft	59
22	1495X	Miniature Bayonet	28.0	0.30	6.00	C-2F	35.0	1.38	16.0	0.63	500	Aircraft-Gas filled	59
T-4 3/4 BULB 19/32" (15.2 mm) DIAMETER													
23	211	Festoon Caps	12.8	0.97	12.00	C-8	45.0	1.75	--	--	1000	Auto	60
24	577	Dbl. End Caps	12.8	1.40	21.00	C-8	43.7	1.72	--	--	1000	Auto	61
25	570	Rigid Loop	12.8	2.10	32.00	C-8	43.7	1.72	--	--	600	Truck Bed Light	62
26	571	Rigid Loop	12.8/14.0	21.00/0.60	32.00/3.00	C-8/	43.7	1.72	--	--	1200/5000	Auto	62
27	212	Festoon Caps	13.5	0.74	6.00	C-8	45.0	1.75	--	--	2000	Auto	60

Miniature Lamp Specifications

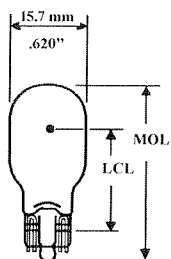


Fig. 63
T-5

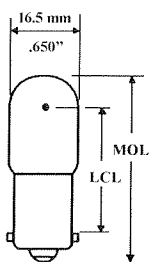


Fig. 64
T-5

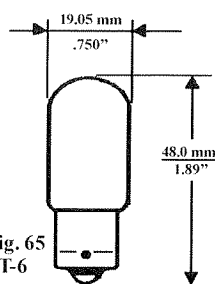


Fig. 65
T-6

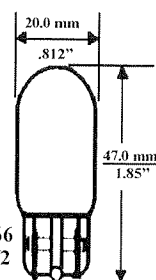
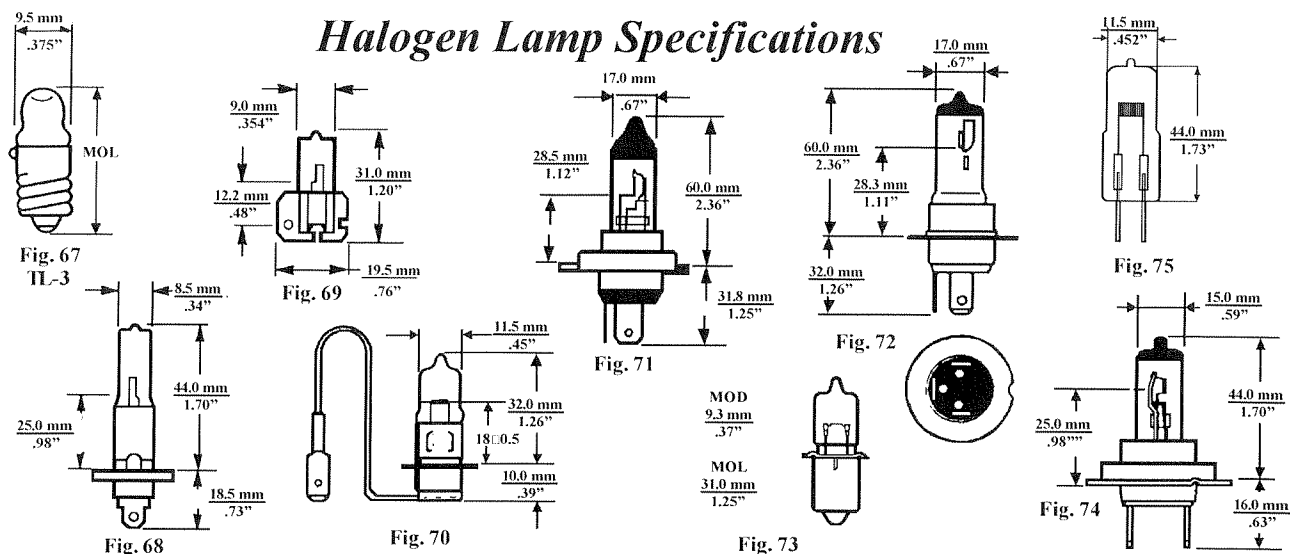


Fig. 66
T-6 1/2

Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application
T-5 BULB 5/8" (16 mm) DIAMETER												
1	1876	SC Bayonet	3.50	2.50	6.50	C-6	44.4	1.75	28.6	1.13	2000	Special Service
2	1434	SC Bayonet	3.70	2.75	11.00	C-6	44.4	1.75	28.6	1.13	100	Instrument, Silver plated coated
3	1874	SC Bayonet	3.70	2.75	11.00	C-6	44.4	1.75	28.6	1.13	100	Instrument
4	914	Wedge	4.00	0.90	3.50	C-6	37.8	1.49	19.1	0.75	50	Emergency Lighting
5	926	Wedge	4.00	1.80	7.50	C-2R	37.8	1.49	20.5	0.81	50	Emergency Lighting
6	909	Wedge	6.00	0.62	3.00	C-2R	37.8	1.49	20.6	0.81	50	Emergency Lighting
7	939	Wedge	6.00	0.90	5.40	C-2R	37.8	1.49	20.6	0.81	50	Emergency Lighting
8	927	Wedge	6.00	1.20	8.00	C-2R	37.8	1.49	20.6	0.81	50	Emergency Lighting
9	908	Wedge	6.00	1.50	12.00	C-2R	37.8	1.49	20.6	0.81	50	Emergency Lighting
10	915	Wedge	12.00	0.75	11.00	C-2R	37.8	1.49	20.6	0.81	50	Emergency Lighting
11	917	Wedge	12.00	1.20	10.00	C-2F	37.8	1.49	20.6	0.81	1200	Home Appliance
12	901	Wedge	12.80	0.31	2.90	C-2R	37.8	1.49	20.6	0.81	500	Garden and Security
13	918	Wedge	12.80	0.56	6.50	C-2R	37.8	1.49	20.6	0.81	500	Garden and Security
14	923	Wedge	12.80	0.91	12.50	C-2R	37.8	1.49	20.6	0.81	500	Garden and Security
15	922	Wedge	12.80	0.98	15.00	C-2R	37.8	1.49	20.6	0.81	200	Auto-Heavy Duty
16	922 IF	Wedge	12.80	0.98	—	C-2R	37.8	1.49	20.6	0.81	200	Auto-Frosted
17	912	Wedge	12.80	1.00	12.00	C-2R	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty
18	912 IF	Wedge	12.80	1.00	—	C-2R	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty-Frosted
19	920	Wedge	12.80	1.20	10.00	C-2F	37.8	1.49	20.6	0.81	1200	Auto
20	921	Wedge	12.80	1.40	21.00	C-2R	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty
21	921 IF	Wedge	12.80	1.40	—	C-2R	37.8	1.49	20.6	0.81	1000	Auto-Frosted
22	921 WT	Wire Leads	12.80	1.40	21.00	C-2R	37.8	1.49	20.6	0.81	1000	Auto
23	921 X	Wedge	12.80	1.40	21.00	C-2R	37.8	1.49	20.6	0.81	10000	Auto-Xenon
24	916	Wedge	13.50	0.54	2.00	C-2F	37.8	1.49	20.6	0.81	10000	Auto, Side Marker
25	904	Wedge	13.50	0.69	4.00	C-2F	37.8	1.49	20.6	0.81	5000	Auto-Heavy Duty
26	906	Wedge	13.50	0.69	6.00	C-2F	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty
27	906 A	Wedge	13.50	0.69	—	C-2F	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty-Amber
28	906 B	Wedge	13.50	0.69	—	C-2F	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty-Blue
29	906 G	Wedge	13.50	0.69	—	C-2F	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty-Green
30	906 P	Wedge	13.50	0.69	—	C-2F	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty-Purple
31	906 R	Wedge	13.50	0.69	—	C-2F	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty-Red
32	906 Y	Wedge	13.50	0.69	—	C-2F	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty-Yellow
33	906 IF	Wedge	13.50	0.69	—	C-2F	37.8	1.49	20.6	0.81	1000	Auto-Heavy Duty-Frosted
34	928	Wedge	28.00	1.20	8.0	C-2F	37.8	1.49	20.6	0.81	500	
T-6 BULB 3/4" (19 mm) DIAMETER												
35	3496	D.C. Index	12.80/14.00	2.10/0.59	43.00/3.00	C-6/ C-6	48.0	1.89	31.8	1.25	600/5000	Krypton Auto Stop Signal Park
36	3497	S.C. Bayonet	12.00	2.20	45.00	C-6	48.0	1.89	31.8	1.25	600	Krypton Auto Signal High Mount
T-6 1/2 BULB DIAMETER												
37	7440	Wedge	13.50	1.85	37.00	C-6	47.0	1.85	29.0	1.14	300	Auto 12V, 21W-Japanese
38	7443	Wedge	13.50	1.85/0.40	35.00/2.80	C-6/ C-6	47.0	1.85	29.8	1.17	500/1000	Auto 12V, 21W/5W-Japanese

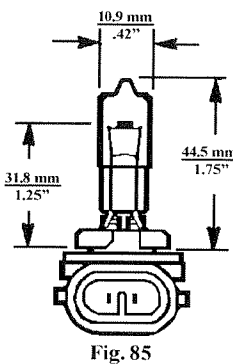
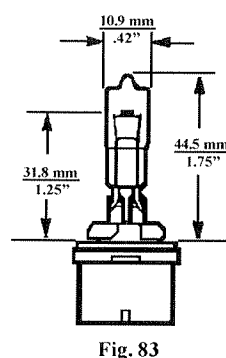
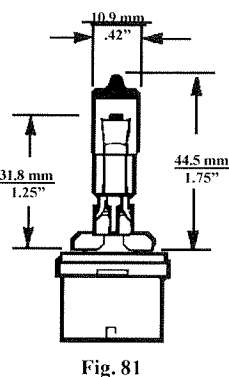
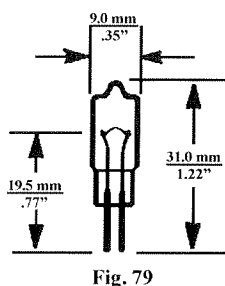
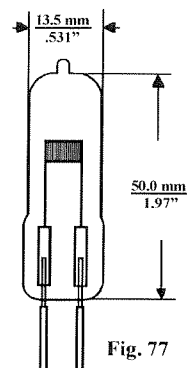
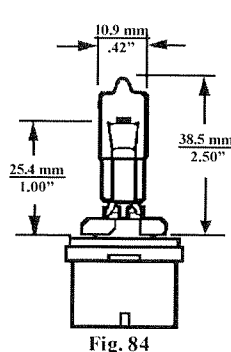
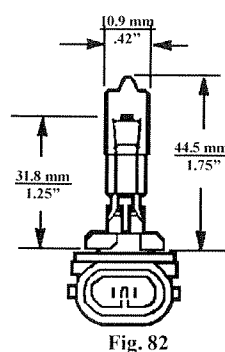
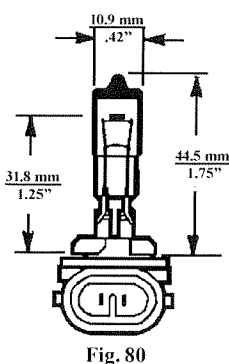
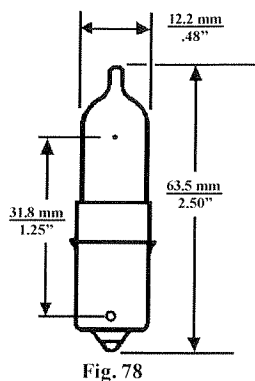
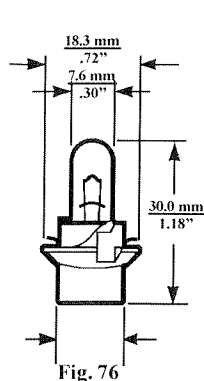
Halogen Lamp Specifications



Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
TL3													
1	112	Miniature Screw	1.20	0.22	--	S-2	23.9	0.94	--	--	5	Flashlight - 1AA	67
2	222	Miniature Screw	2.25	0.25	--	C-2R	23.9	0.94	--	--	5	Flashlight - 2AA	67
3	243	Miniature Screw	2.33	0.27	--	C-2R	23.9	0.94	--	--	10	Flashlight 2C-Cells	67
HALOGEN													
4	FCR	GY6.35 Glass Bi-Pin	12.00	100.00	3400 (L)*	C-6	44.0	1.73	30.0	1.18	50	Auto, Tester	75
5	H1 55W	P14.5s	12.00	55.00	129.00	C-8	67.5	2.66	25.0	0.98	225	Auto, Fog/Aux	68
6	H1 70W/24V	P14.5s	24.00	70.00	158.00	C-8	67.5	2.66	25.0	0.98	225	Auto, Fog/Aux	68
7	H1 100W	P14.5s	12.00	100.00	217.00	C-8	67.5	2.66	25.0	0.98	50	Auto, Fog/Aux	68
8	H1 130W	P14.5s	12.00	130.00	--	C-8	67.5	2.66	25.0	0.98	150	Auto, Fog/Aux	68
9	H2 55W	X511	12.00	55.00	150.00	C-8	31.0	1.22	12.2	0.48	255	Aux, Off Road	69
10	H2 100W	X511	12.00	100.00	--	C-8	31.0	1.22	12.2	0.48	100	Aux, Off Road	69
11	H3 55W	PK225	12.00	55.00	121.00	C-6	41.9	1.65	18.0	0.71	150	Auto, Fog/Aux	70
12	H3C 55 W	B-Pin	12.00	55.00	121.00	C-6	41.9	1.65	18.0	0.71	150	Auto	--
13	H3 70W/24V	PK225	24.00	70.00	146.00	C-6	41.9	1.65	18.0	0.71	150	Auto, Fog/Aux	70
14	H3 100W	PK225	12.00	100.00	192.00	C-6	41.9	1.65	18.0	0.71	100	Auto, Fog/Aux	70
15	H3 130W	PK225	12.00	130.00	--	C-6	41.9	1.65	18.0	0.71	50	Auto, Fog/Aux	70
16	H4 P45T 60/55W	P45t	12.00	60.00/ 55.00	138/ 83	C-8	91.9	3.62	28.5	1.12	150/ 300	Auto, Fog/Aux	72
17	H4 60/55W	P43t	12.00	60.00/ 55.00	138/ 83	C-8	91.9	3.62	28.5	1.12	150/ 300	Auto, Fog/Aux	71
18	H4 75/70W/24V	P43t	24.00	75.00/ 70.00	158/ 100	C-8	91.9	3.62	28.5	1.12	150/ 300	Auto	71
19	H4 100/55W	P43t	12.00	100.00/ 55.00	217/ 83	C-8	91.9	3.62	28.5	1.12	75/ 300	Auto, Fog/Aux	71
20	H4 100/80W	P43t	12.00	100.00/ 80.00	217/ 125	C-8	91.9	3.62	28.5	1.12	75/ 150	Auto, Fog/Aux	71
21	H4 100/90W	P43t	12.00	100.00/ 90.00	217/ 125	C-8	91.9	3.62	28.5	1.12	75/ 150	Auto, Fog/Aux	71
22	H4 130/90W	P43t	12.00	130.00/ 90.00	--	C-8	91.9	3.62	28.5	1.12	75/ 150	Auto, Fog/Aux	71
23	H7 55W	PX26d	12.00	55.00	125 (L)*	C-8	60.0	2.36	25.0	0.98	500	Auto	74
24	H7 70W	PX26d	12.00	70.00	150.00	C-8	60.0	2.36	25.0	0.98	200	Auto	74
25	HPR52	SC Miniature Flanged	3.80	0.85	3.80	C-6	31.8	1.25	6.4	0.25	10	Flashlight	73
26	HPR53	SC Miniature Flanged	4.00	0.85	3.40	C-6	31.8	1.25	6.4	0.25	25	Flashlight	73
27	HPR36	SC Miniature Flanged	5.50	1.00	7.40	C-6	31.8	1.25	6.4	0.25	40	Flashlight	73
28	HPR50	SC Miniature Flanged	5.20	0.85	7.10	C-6	31.8	1.25	6.4	0.25	25	Flashlight	73
29	HPR51	SC Miniature Flanged	6.50	0.70	7.20	C-6	31.8	1.25	6.4	0.25	25	Flashlight	73

*Lumens

Halogen Lamp Specifications



Line	CEC Part Number	Base Type	Volts	Amp/Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
1	JCD	GY6.35 Glass Bi-Pin	120.0	150.00	3000 (L)*	CC-6	50.0	1.97	30.0	1.18	100	Auto, Tester	77
2	JC10	G4 Bi-pin	12.0	10 Watt	—	C-6	31.0	1.22	19.6	0.77	2000	Auto	79
3	JC20	G4 Bi-pin	12.0	20 Watt	—	C-6	31.0	1.22	19.6	0.77	1000	Auto	79
4	J300 T3Q/CL	R.S.C. EHM	120.0	300 Watt	6000 (L)*	C-8	118.9	4.69	—	—	3000	Linear Lamp	—
5	J500 T3Q/CL	R.S.C. FCL	120.0	500 Watt	10000 (L)*	C-8	118.9	4.69	—	—	2000	Linear Lamp	—
6	795	SC Bayonet	12.8	50 Watt	108.00	C-6	63.5	2.50	31.8	1.25	200	Auto-Signal	78
7	880	Axial Prefocus	12.8	2.10	43.00	C-6	68.0	2.68	31.8	1.25	300	Auto, Fog	81
8	881	Right Angle Pref.	12.8	2.10	43.00	C-6	68.0	2.68	31.8	1.25	300	Auto, Fog	80
9	882	Printed Circuit Socket	12.8	0.35	3.80	C-6	30.0	1.18	9.1	0.37	2000	Auto, Instrument	76
10	884	Axial	12.8	2.10	43.00	C-6	68.0	2.68	31.8	1.25	300	Auto-Signal	83
11	885	Axial Prefocus	12.8	3.90	100.00	C-6	68.0	2.68	31.8	1.25	200	Auto, Fog	83
12	886	Right Angle Pref.	12.8	3.90	100.00	C-6	68.0	2.68	31.8	1.25	200	Auto, Fog	82
13	887	Axial Prefocus	12.8	3.90	95.00	C-6	68.0	2.68	31.8	1.25	200	Tractor	81
14	888	Right Angle	12.8	3.90	95.00	C-6	68.0	2.68	31.8	1.25	400	Tractor	80
15	889	Right Angle	12.8	2.10	43.00	C-6	68.0	2.68	25.4	1.00	300	Auto-Signal	85
16	890	Axial Prefocus	12.8	2.10	43.00	C-6	68.0	2.68	25.4	1.00	300	Auto-Signal	84
17	891	G4 Bi-Pin	12.8	0.63	11.00	C-6	31.0	0.12	19.6	0.77	500	Auto-High Mount Stop	79
18	893	Axial Prefocus	12.8	2.93	75.00	C-6	68.0	2.68	31.8	1.25	200	Auto, Fog	81
19	894	Right Angle	12.8	2.93	75.00	C-6	68.0	2.68	31.8	1.25	200	Tractor	82
20	896	Right Angle	12.8	2.93	75.00	C-6	68.0	2.68	31.8	1.25	200	Auto, Fog	80
21	898	Right Angle	12.8	2.93	60.00	C-6	68.0	2.68	31.8	1.25	1900	Auto	80
22	899	Axial Prefocus	12.8	2.93	60.00	C-6	68.0	2.68	31.8	1.25	2000	Auto, Fog	81

* Lumens

Halogen Lamp Specifications

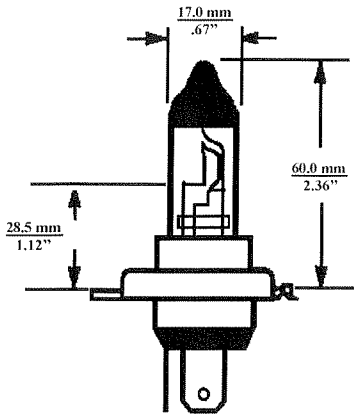


Fig. 86

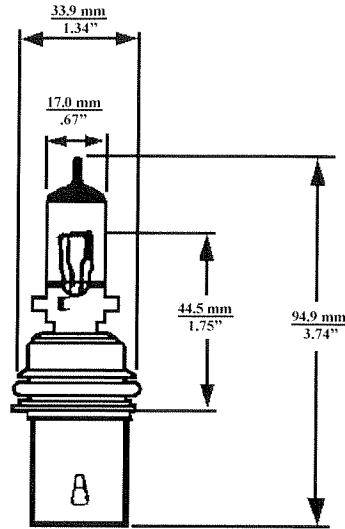


Fig. 87

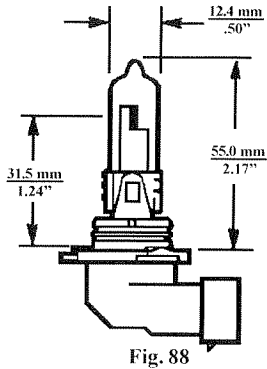


Fig. 88

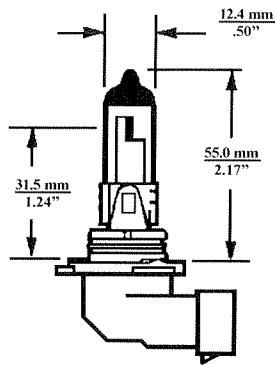


Fig. 89

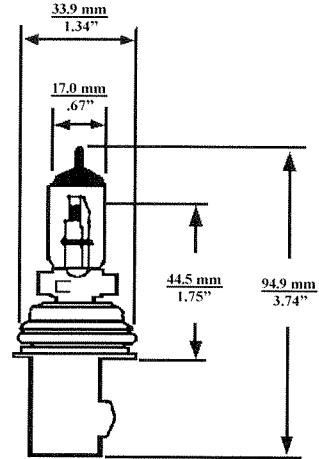


Fig. 90

Line	CEC Part Number	Base Type	Volts	Amp/ Watts	MSCP	Fil. Type	MOL (mm)	MOL (in)	LCL (mm)	LCL (in)	Avg Life	Primary Application	Fig No
1	9003	P43T-38	12.8	65.0/ 55.0	119.0/ 72.0	C-8	91.9	3.62	28.5	1.12	150/ 320	Auto-Head Lamp	86
2	9004	Axial Prefocus	12.8	95.0/ 55.0	138.0/ 85.0	C-6/ C-6	--	--	44.5	1.75	150/ 320	Auto-Head Lamp	87
3	9004/100/55W	Axial Prefocus	12.8	100.0/ 55.0	172.0/ 80.0	C-6/ C-6	--	--	44.5	1.75	100/ 200	Auto-Head Lamp	87
4	9004/100/80W	Axial Prefocus	12.8	100.0/ 80.0	182.0/ 125.0	C-6/ C-6	--	--	44.5	1.75	100/ 150	Auto-Head Lamp	87
5	9005	Right Angle Prefocus	12.8	65.0	136.0	C-8	55.0	2.17	31.5	1.24	150	Auto-Upper Beam	88
6	9005/100W	Right Angle Prefocus	12.8	100.0	172.0	C-8	55.0	2.17	31.5	1.24	100	Auto-Upper Beam	88
7	9006	Right Angle Prefocus	12.8	55.0	80.0	C-8	55.0	2.17	31.5	1.24	320	Auto-Lower Beam	89
8	9006/80W	Right Angle Prefocus	12.8	80.0	125.0	C-8	55.0	2.17	31.5	1.24	150	Auto-Lower Beam	89
9	9007	Axial Prefocus	12.8	65.0/ 55.0	107.0/ 80.0	C-8	94.9	3.74	44.5	1.75	250/ 500	Auto-Head Lamp	90
10	9007/100/55W	Axial Prefocus	12.8	100.0/ 55.0	172.0/ 80.0	C-8	94.9	3.74	44.5	1.75	100/ 200	Auto-Head Lamp	90
11	9007/100/80W	Axial Prefocus	12.8	100.0/ 80.0	172.0/ 125.0	C-8	94.9	3.74	44.5	1.75	100/ 150	Auto-Head Lamp	90
12	HIB9003*	P43T-38	12.8	65.0/ 55.0	--	C-8	60.0	2.36	28.5	1.12	150/ 320	Auto-Head Lamp	86
13	HIB9004*	Axial Prefocus	12.8	65.0/ 45.0	--	C-6/ C-6	94.9	3.74	44.5	1.75	150/ 320	Auto-Head Lamp	87
14	HIB9005*	Right Angle Prefocus	12.8	65.0	--	C-8	55.0	2.17	31.5	1.24	150	Auto-Upper Beam	88
15	HIB9006*	Right Angle Prefocus	12.8	55.0	--	C-8	55.0	2.17	31.5	1.24	320	Auto-Lower Beam	89
16	HIB9007*	Axial Prefocus	12.8	65.0/ 55.0	--	C-8	94.9	3.74	44.5	1.75	150/ 320	Auto-Head Lamp	90

*High Intensity Blue