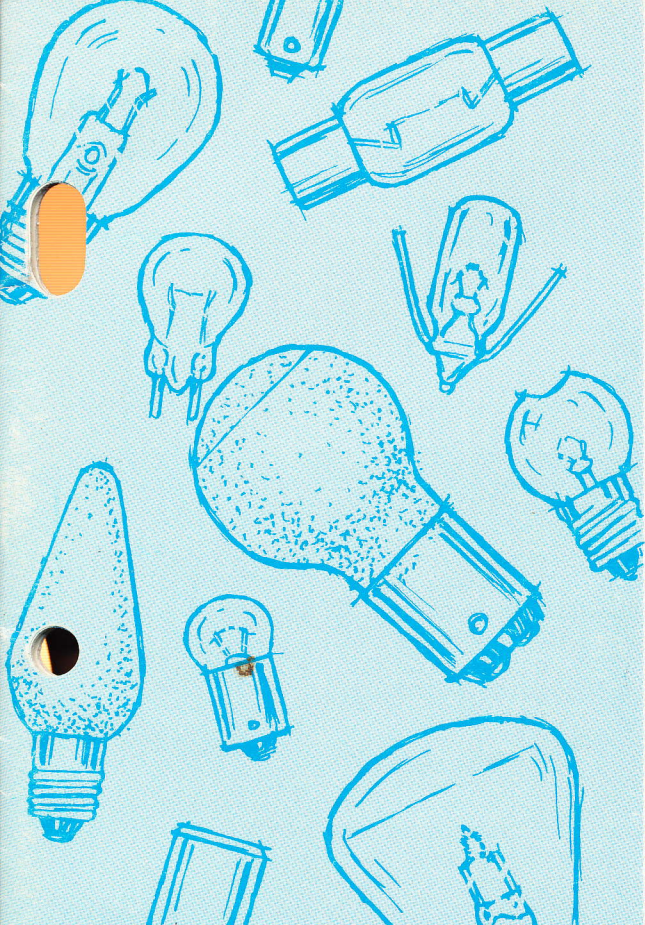


Miniature Lamp
Catalog
3-6253

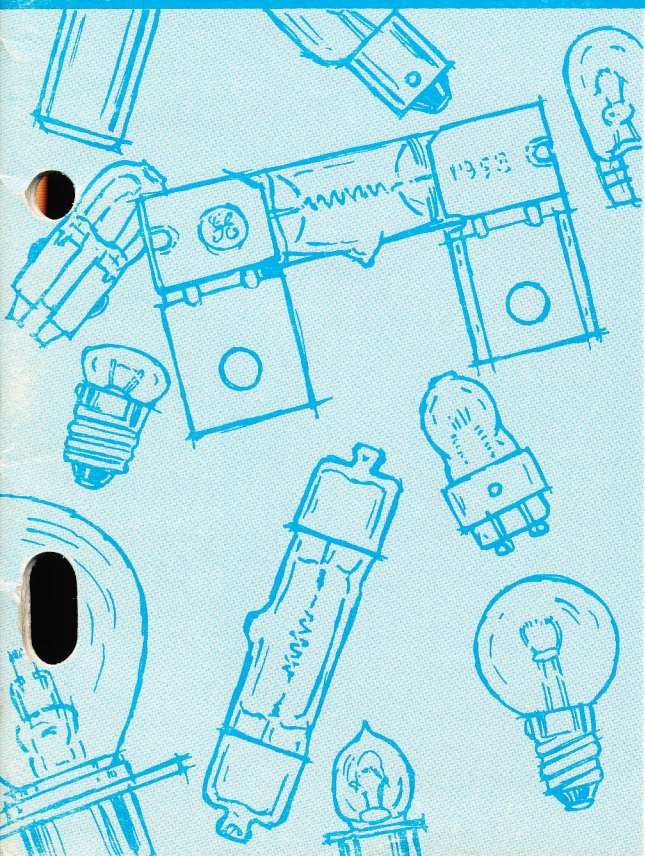
REVISED 10-1-70



MINIATURE LAMPS

INCANDESCENT

FLUORESCENT



**Other MINIATURE LAMP DEPARTMENT
CATALOGS INCLUDE:**

- Sealed Beam Lamps, 3-6251
- Sub-Miniature Lamps, 3-6252
- Glow Lamps, 3-6254
- Index of all Lamps, 3-6255
- Solid State Lamps, 3-0281

GENERAL  ELECTRIC

GENERAL ELECTRIC

CATALOG OF MINIATURE LAMPS

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For information on sealed beam, sub-miniature, solid state, and glow lamps, refer to the appropriate catalog, listed by title and number on the front cover.

INTRODUCTION

Most General Electric Miniature Lamps are designed for operation on low-voltage sources of power, such as battery-generator systems, dry cell or storage batteries, or transformers.

Manufacturers and designers of equipment requiring miniature lamps should select lamps of established design wherever possible for maximum economy as well as ease of replacement through regular trade channels.

Lamps are grouped in this catalog by bulb sizes. They are listed according to design volts in ascending order within the particular group.

You will find two cross-reference lists on pages 36 and 38. One groups lamps by primary applications and the other lists lamps in numerical sequence.

The Miniature Lamp Department of General Electric offers application engineering assistance to all customers in applying subminiature lamps in product design. Contact your local GE district office which is listed on the back cover page for additional and latest technical information.

ABBREVIATIONS

A	— Amperes	Pf.	— Prefocus
Bay.	— Bayonet	Sc.	— Screw
C. P.	— Candlepower	S. C.	— Single Contact
Cand.	— Candelabra	Spec.	— Special
D. C.	— Double Contact	Term.	— Terminals
Flg.	— Flanged	V	— Volts
Index	— Indexing	W	— Watts
(L)	— Indefinite Long Life		
Min.	— Miniature		

LAMP NUMBER

Lamps are marked with General Electric identification and a trade number. The trade number is recorded with the American National Standards Institute and is uniform throughout the industry. It completely identifies a lamp and is sufficient identification for ordering purposes.

PRIMARY SERVICE

Present major usages of a lamp are shown in the primary applications column. Lamps may be and often are used in other applications, wherever their design characteristics meet the requirements.

DESIGN VOLTS

Design volts show the voltage at which a lamp is designed for rated ampere, candlepower and laboratory-life characteristics.

DESIGN AMPERES OR WATTS

Design amperes is the current flowing through a lamp when operated at its design voltage. It is subject to manufacturing tolerances. Some lamps have a watts rating rather than amperes. Watts is obtained by multiplying the design volts by the design amperes.

CANDLEPOWER

The value shown in the candlepower column is the average initial mean-spherical-candlepower (mscp) at design voltage. It is subject to manufacturing tolerances. Mean-spherical-candlepower is the generally accepted method of rating the total light output of miniature lamps. To convert mean-spherical-candlepower to lumens, multiply by 12.57 (4 π).

LIGHT CENTER LENGTH

The light center length is measured from the geometric center of the light source to a particular point of the base. This point is shown below for the base types used.

- Screw—End of bottom base contact.
- Bayonet—Top of base pins.
- S. C. or D. C. Prefocus—Bottom of indentations on prefocusing collar.

S. C. Miniature Flanged—Top of bosses in flange.

D. C. Index—Top of base pin nearer bottom contacts.

Wedge—Center of notch.

Tab—Center of hole in tab.

MAXIMUM OVERALL LENGTH

The dimension which includes the bulb and base is designated as the overall length of the lamp. In the case of wire terminal lamps, this dimension applies only to the glass portion. The dimension figures listed here are maximum tolerances.

RATED AVERAGE LIFE

Rated average life is that obtained in closely controlled laboratory testing of lamps at their design voltage. It is not necessarily the same as service life where environmental conditions such as shock, vibration, voltage fluctuations, temperature, etc., may result in a shorter average life. For additional information on service life of lamps with extremely long life and low current design, please refer to the discussion on "Lamp Life" page 3 in Sub-Miniature Catalog 3-6252 Revised 1-1-70.

FIGURE NUMBER

The figure number corresponds to the lamp drawing at the extreme right of the specifications list. The drawing shows the correct bulb and base, but not necessarily the correct filament, for the lamp listed. Since many different filaments are used, the drawing shows only one representative filament form. For filament forms refer to page 5.

LINE NUMBER

The line number is used to help find specific lamps. It is not of any technical or ordering significance.

HEAVY DUTY LAMPS

There is a General Electric heavy duty lamp for most automotive sockets. Heavy duty lamps have been designed with heavier wire and lower filament temperatures to give longer life and more trouble-free performance. These should be used where the lamps are likely to be subjected to extra shock and vibration.

CONSIDER THESE FACTORS

Design factors such as the limitations of—housing space, power source, shock and vibration, light output, wattage, life, and ambient temperature—should be carefully considered when selecting lamps.

Whether a lamp is used for safety, convenience, utility, sales appeal, beauty or a means of saving time, General Electric has such a lamp available.

TYPICAL CHARACTERISTIC CURVES

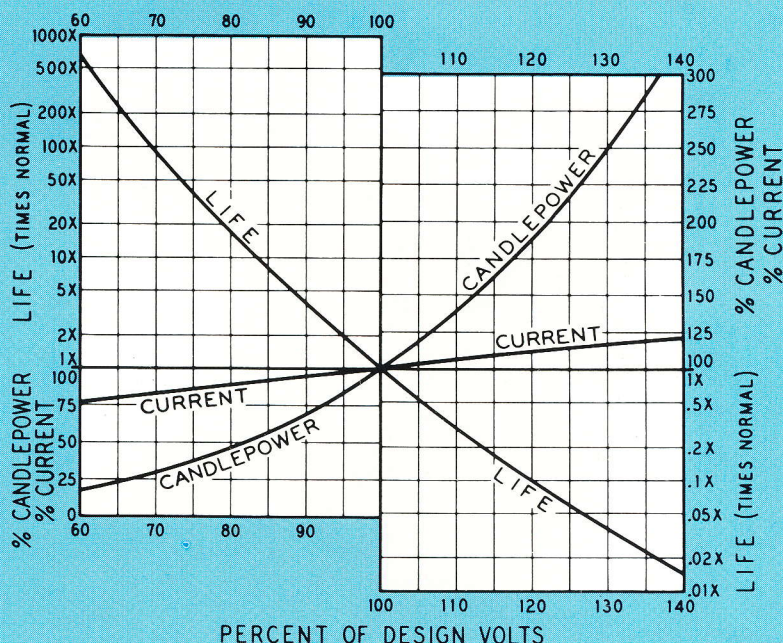


CHART 1

1 LIGHT QUANTITY, QUALITY

Where an object or surface is to be illuminated, the quantity of light required depends upon the size of the object, the brightness desired, the contrast with its background and the time available for seeing.

Where light must be projected, either a separate reflector and lamp or a reflectorized lamp may be required. Consideration should be given to beam candlepower and beam spread.

The spectral quality or color of light can be modified by external filters or coatings applied to the bulb.

2 LIGHT, LIFE AND VOLTAGE

For any particular lamp, the light output and life depend upon the voltage at which the lamp is operated. For instance, as approximations, the light output varies as the 3.6 power of the voltage and the life varies inversely as the 12th power of the voltage. Chart 1 illustrates the effect of overvoltage or undervoltage applied to a lamp on its current, life, and light (candlepower) output. Indicated values (except for long life lamps) are reasonably reliable, between 90% and 110% rated volts. Beyond that, indicated characteristics may not be realized because of the increasing influence of factors which cannot be incorporated into the chart.

The data apply only to operation on direct current or sine-wave alternating current. The data (particularly for lamp life) do not apply accurately for lamp operation on half-wave rectified voltage or on semi-conductor dimming devices.

3 MECHANICAL STRENGTH

Low voltage, high current incandescent lamps are best suited for operation under conditions of shock and vibration. Other factors which affect strength are the resonant frequency of the lead wires, support wires, and filament form. Most radiopanel lamps of 6.3 volts and under, incorporate mounts whose resonant frequency has been synchronized with that of the coiled filament to withstand shock

and vibration. Where rough service conditions are encountered, screw base lamps should be avoided, since they may loosen in their sockets.

4 POWER SOURCES

In battery applications, the mean effective voltage delivered is generally higher than the average volts. Therefore, the mean effective voltage should be the design voltage of the lamp. Design voltages for flashlight lamps have been determined by extensive tests.

Filament lamp ratings are predicated on operation at constant voltage. When operated from a higher-than-rated voltage in series with a dropping resistor, the effect is the same as operating at a constant current. Since the lamp resistance changes with operating life, the voltage drop across the lamp will increase; hence, the lamp life experienced will generally be about one-half that resulting from constant-voltage operation.

When selecting a transformer or resistor, consideration should be given to lamp ampere tolerances and the regulation characteristics of the component.

5 SPACE

Tolerances of bulb diameters, light center length and overall length should be carefully considered by designers in specifying lamp housings. These tolerances and more detailed drawings are available from your local GE Miniature Lamp Sales Office.

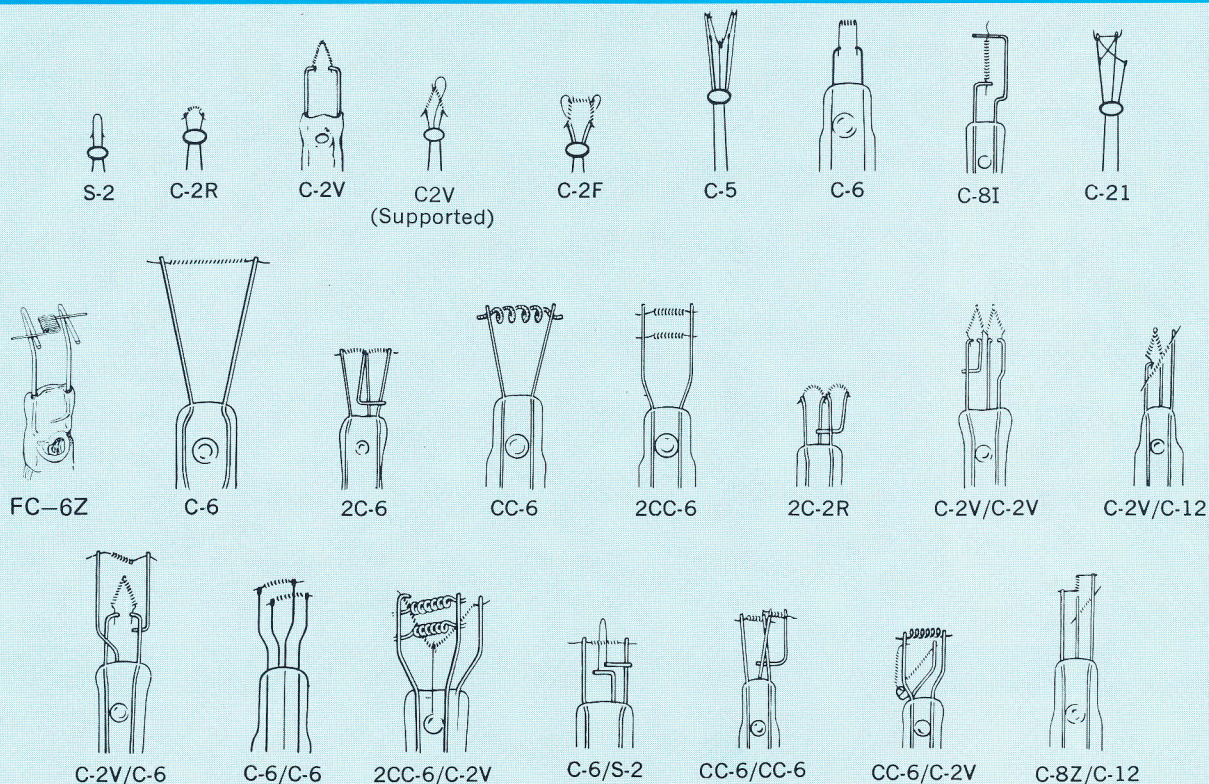
6 AMBIENT TEMPERATURE

It is well to consider the lamp housing from the standpoint of radiation, absorption and ventilation as well as extraneous heat.

Normal variations in ambient temperature do not affect the performance of miniature lamps. Above 350° F, the solder on conventional lamps may soften, deform or melt and the basing cement loosen. The new wedge base lamps can be operated in ambients up to 600° F.

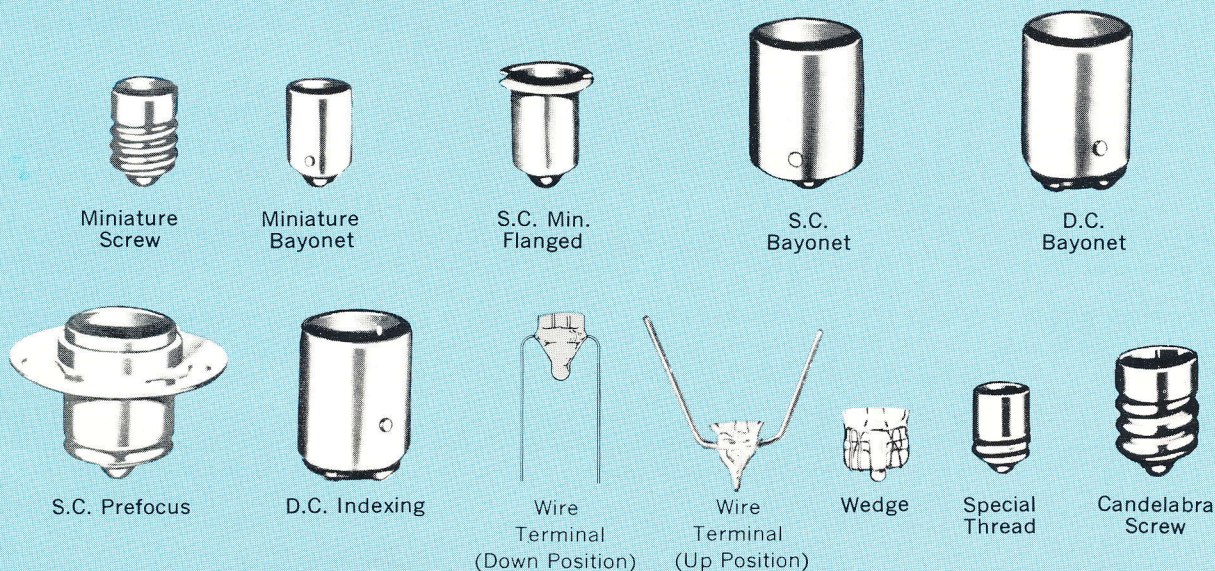
The almost universally used lamp filament material is tungsten because of its high melting point at incandescence. The filament may be straight wire, a coil or a coiled coil (indicated respectively by the letters S, C, and CC). Coiling the filament wire effectively shortens the filament length so that smaller bulbs can be used. In addition, in gas-filled lamps, coiling the wire reduces thermal losses and increases efficiency. Filament designations consist of a prefix letter to indicate whether the wire is straight or coiled, and a number to indicate its physical configuration on the supports.

FILAMENTS



Bases provide electrical contact to the lamp and, in most cases, also support the lamp in the fixture. Bayonet types are generally preferred over screw types when vibration is present. Flanged or collared types are usually associated with requirements for filament location. Wedge base types reduce socket size and complexity.

BASES



MINIATURE LAMPS

ELECTRICAL SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
B-3½ BULB 7/16 IN. DIAMETER²					
6-1	PR28	Flashlight—2D Cells	2.2	.8A	.9 ²
-2	PR4	Flashlight—2C Cells	2.33	.27A	.40 ²
-3	PR5	Flashlight—2D Cells, Industrial	2.35	.35A	.45 ²
-4	PR2	Flashlight—2D Cells	2.38	.50A	.80 ²
-5	PR6	Flashlight—2D Industrial Cells	2.47	.30A	.45 ²
-6	PR9	Flashlight—2D Cells	2.7	.15A	.25 ²
-7	395X	Flashlight—2D Cells Special Service	3.0	.07A	.15 ²
-8	PR3	Flashlight—3D Cells	3.57	.50A	1.50 ²
-9	PR3NP	Flashlight—3D Cells Nickel Plated Base	3.57	.50A	1.50 ²
-10	PR7	Flashlight—3D Industrial Cells	3.7	.30A	.90 ²
-11	PR13	Hand Lantern—4F Cells	4.75	.50A	2.20 ²
-12	PR15	Hand Lantern—8F Cells in series parallel	4.82	.50A	1.9 ²
-13	PR17	Hand Lantern—4F Cells	4.9	.30A	1.2 ²
-14	PR12	Flashlight—5D Cells	5.95	.50A	3.10 ²
-15	PR18	Flashlight—6D Cells ⁴¹	7.2	.55A	5.5 ²
-16	PR20	Flashlight—7D Cells ⁴¹	8.63	.50A	5.0 ²
-17	PR16	Auto. Hand Spotlamp	12.5	.25A	2.7 ²
B-6 BULB ¾ IN. DIAMETER²					
-18	1317	Aircraft, Emergency Lighting (Krypton gas)	6.0	.51A	3.40
-19	209	Auto. Interior	6.5	1.78A	15
-20	210	Auto. Interior and Marine	6.5	1.78A	15
-21	1014	Instrument, Filament welded to leads	6.6	1.50A	10
-22	1012	Instrument, Filament welded to leads	6.6	1.50A	10
-23	1003	Auto. Interior	12.8	.94A	15
-24	1004	Auto. Interior and Marine	12.8	.94A	15
-25	105	Auto	12.8	1.0A	12
-26	1309	Aircraft Interior	28	.52A	15
C-6 BULB ¾ IN. DIAMETER²					
-27	404FT	Flashlight, Outside coated flame tint. 2C Cells	2.33	.27A	—
-28	404W	Flashlight, Outside coated white. 2C Cells	2.33	.27A	—
C-7½ BULB 15/16 IN. DIAMETER²					
-29	1426	Indicator Flasher Lamp	120	7W	—
-30	1426 (B,G,R,Y)	(Outside coated blue, green, red or yellow)	120	7W	—
FE-3¾ BULB 15/32 IN. DIAMETER²					
-31	223	Flashlight 2AA Cells	2.25	.25A	.38 ²
G-3½ BULB 7/16 IN. DIAMETER²					
-32	123	Flashlight 1D Cell	1.25	.30A	.10 ²
-33	131	Bicycle 1D Cell	1.3	.10A	.03 ²

² Approximate. ⁴¹ Consult nearest Sales Office for application information.

PHYSICAL SPECIFICATIONS

LAMPS SHOWN ACTUAL SIZE

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
S. C. Miniature Flanged	C	C-6	$\frac{1}{4}$	$1\frac{1}{4}$	20	1	6-1
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	10	1	-2
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	35	1	-3
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	15	1	-4
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	30	1	-5
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	45	1	-6
S. C. Miniature Flanged	B	S-2	$\frac{1}{4}$	$1\frac{1}{4}$	50	1	-7
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	15	1	-8
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	15	1	-9
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	30	1	-10
S. C. Miniature Flanged	C	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	15	1	-11
S. C. Miniature Flanged	C	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	30	1	-12
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	30	1	-13
S. C. Miniature Flanged	C	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	15	1	-14
S. C. Miniature Flanged	C	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	3	1	-15
S. C. Miniature Flanged	C	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	15	1	-16
S. C. Miniature Flanged	B	C-2R	$\frac{1}{4}$	$1\frac{1}{4}$	50	1	-17
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	100	3	-18
S. C. Bayonet	C	C-6	$1\frac{1}{16}$	$1\frac{3}{4}$	100	3	-19
D. C. Bayonet	C	C-6	$1\frac{1}{16}$	$1\frac{3}{4}$	100	4	-20
D. C. Bay., without pins	C	C-6	$1\frac{13}{32}$	$1\frac{3}{4}$	200	—	-21
D. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	200	4	-22
S. C. Bayonet	C	C-6	$1\frac{1}{16}$	$1\frac{3}{4}$	200	3	-23
D. C. Bayonet	C	C-6	$1\frac{1}{16}$	$1\frac{3}{4}$	200	4	-24
S. C. Bayonet	C	C-6	$1\frac{1}{16}$	$1\frac{3}{4}$	500	3	-25
S. C. Bayonet	C	2C-2R	$1\frac{1}{16}$	$1\frac{3}{4}$	300	3	-26
Miniature Screw	B	C-2R	—	$2\frac{1}{8}$	10	5	-27
Miniature Screw	B	C-2R	—	$2\frac{1}{8}$	10	5	-28
Candelabra Screw	B	C-7A	—	$2\frac{1}{8}$	750 ³	6	-29
Candelabra Screw	B	C-7A	—	$2\frac{1}{8}$	750 ³	6	-30
Miniature Screw	B	C-6	$\frac{21}{32}$	$\frac{13}{16}$	5	7	-31
Miniature Screw	B	S-2	$\frac{23}{32}$	$\frac{15}{16}$	10	8	-32
Miniature Screw	B	S-2	$\frac{23}{32}$	$\frac{15}{16}$	50	8	-33

³ Average useful life.



Fig. 1

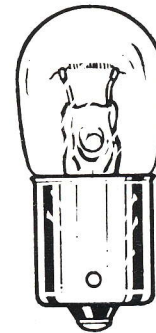


Fig. 3

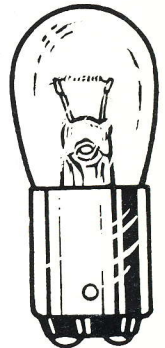


Fig. 4

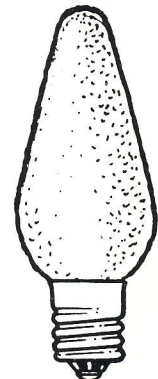


Fig. 5

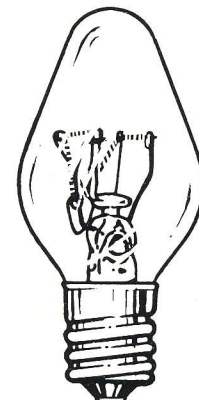


Fig. 6



Fig. 7



Fig. 8

(G-3½ BULB CONT.)

ELECTRICAL
SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
8-1	458	Special Service	1.5	.20A	—
-2	233	Flashlight 2C Cells	2.33	.27A	.42 ²
-3	245	Flashlight 2D Cells	2.46	.50A	.90 ²
-4	14	Flashlight 2D Cells	2.47	.30A	.50 ²
-5	354	Instrument 2D Cells	2.47	.30A	.50 ²
-6	10	Indicator, L.C.L. measured from bottom of pins	2.5	.50A	.50 ²
-7	264	Special Service, Resistance ballast	2.65	.29A-.31A	—
-8	352X	Special Service	3.0	.07A	.15 ²
-9	365	Flashlight 3D Cells	3.69	.50A	1.60 ²
-10	13	Flashlight 3D Cells	3.7	.30A	.98 ²
-11	1438	Indicator	3.8	.43A	1.6 ²
-12	1913	Handlantern	4.0	.06A	.06 ²
-13	403	Flashlight, 3D Industrial Cells	4.0	.30A	1.0 ²
-14	12	Radio	6.3	.15A	.35 ²
-15	130	Radio, TV and Indicator	6.3	.15A	.29 ²
-16	219	Radio, TV	6.3	.25A	.50 ²
-17	137	Radio, TV and Indicator	6.3	.25A	—
-18	612	Special Service	6.3	.25A	.65 ²
-19	50	Toy Train	7.5	.22A	1
-20	51	Auto and Indicator	7.5	.22A	1
-21	51AF	Indicator, All frosted (Spray Method)	7.5	.22A	—
-22	1446	Toy Train	12.0	.20A	1.7 ²
-23	363	Toy Train	14.0	.20A	2 ²
-24	1449	Toy Train	14.0	.20A	2 ²
-25	19	Auto and Toy Train	14.4	.10A	.9 ²
-26	52	Indicator	14.4	.10A	.75 ²
-27	250	Auto and Instrument	14.4	.12A	.50
-28	2172U	Instrument, Tachometer, Approx. 5/8" leads	14.4	.12A	1
-29	53	Auto and Indicator	14.4	.12A	1
-30	53X	Auto. Heavy duty	14.4	.12A	1 ²
-31	53R	Auto. Outside coated red	14.4	.12A	—
-32	1445	Auto. (See Line 8-34 for rating @18 Volts)	14.4	.135A	.7
-33	1447	Toy Train	18	.15A	1.5 ²
-34	1445	Toy Train	18	.15A	1.5 ²
-35	1448	Radio	24	.035A	.23 ²
-36	1450	Indicator	24	.035A	.23 ²
-37	356	Aircraft ⁴¹	28	.17A	3.5 ²
-38	356TR	Aircraft. Transparent Red ⁴¹	28	.17A	—
G-4½ BULB 5/16" IN. DIAMETER²					
-39	401	Toy, Flasher lamp 1D Cell ⁴¹	1.25	.22A	.09 ²
-40	136	Hand Lantern, 1 No. 6 Cell	1.25	.60A	.20 ²
-41	423	Signal, 1 No. 6 Cell	1.25	.60A	.20 ²
-42	406	Toy, Flasher lamp, 2D Cells	2.6	.30A	.43 ²

² Approximate.⁴¹ Consult nearest Sales Office for application information.

PHYSICAL SPECIFICATIONS

LAMPS SHOWN ACTUAL SIZE

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
Miniature Screw	B	S-2	$\frac{23}{32}$	$\frac{15}{16}$	30	8	8-1
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	10	8	-2
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	15	8	-3
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	15	8	-4
Miniature Bayonet	B	C-2R	$\frac{1}{2}$	$\frac{15}{16}$	15	10	-5
Miniature 2-pin	B	C-6	$\frac{5}{8}$	$\frac{15}{16}$	3000	9	-6
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	30	8	-7
Miniature Screw	B	S-2	—	$\frac{15}{16}$	50	8	-8
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	15	8	-9
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	15	8	-10
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	1	8	-11
Miniature Screw	B	C-6	$\frac{23}{32}$	$\frac{15}{16}$	2000	8	-12
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	30	8	-13
Miniature 2-pin	B	C-6	$\frac{5}{8}$	$\frac{15}{16}$	5000 ⁴⁴	9	-14
Miniature Bayonet	B	C-2R	$\frac{1}{2}$	$\frac{15}{16}$	5000 ⁴⁴	10	-15
Miniature Bayonet	B	C-2V ¹³	.53	$\frac{15}{16}$	5000 ⁴⁴	10	-16
Miniature Bayonet	B	C-2R	$\frac{1}{2}$	$\frac{15}{16}$	5000 ⁴⁴	10	-17
Miniature 2-pin	B	C-6	$\frac{5}{8}$	$\frac{15}{16}$	5000	9	-18
Miniature Screw	B	C-2R	$\frac{23}{32}$	$\frac{15}{16}$	1000	8	-19
Miniature Bayonet	B	C-2R	$\frac{1}{2}$	$\frac{15}{16}$	1000	10	-20
Miniature Bayonet	B	C-2R	—	$\frac{15}{16}$	1000	10	-21
Miniature Screw	B	C-2V ¹³	—	$\frac{15}{16}$	250	8	-22
Miniature Bayonet	B	C-2V ¹³	—	$\frac{15}{16}$	250	10	-23
Miniature Screw	B	C-2V ¹³	—	$\frac{15}{16}$	250	8	-24
Miniature 2-pin	B	C-2R	$\frac{5}{8}$	$\frac{15}{16}$	1000	9	-25
Miniature Screw	B	C-2V ¹³	$\frac{5}{8}$	$\frac{15}{16}$	1000	8	-26
Miniature Bayonet	B	C-2F	$\frac{9}{16}$	$\frac{15}{16}$	3000	10	-27
Wire Terminal	B	C-2V ¹³	—	$\frac{7}{8}$	1000	—	-28
Miniature Bayonet	B	C-2V ¹³	$\frac{1}{2}$	$\frac{15}{16}$	1000	10	-29
Miniature Bayonet	B	C-2F	$\frac{1}{2}$	$\frac{15}{16}$	1000	10	-30
Miniature Bayonet	B	C-2V ¹³	—	$\frac{15}{16}$	1000	10	-31
Miniature Bayonet	B	C-2V ¹³	$\frac{1}{2}$	$\frac{15}{16}$	2000	10	-32
Miniature Screw	B	C-2V ¹³	$\frac{23}{32}$	$\frac{15}{16}$	250	8	-33
Miniature Bayonet	B	C-2V ¹³	$\frac{1}{2}$	$\frac{15}{16}$	250	10	-34
Miniature Screw	B	C-2V ¹³	$\frac{23}{32}$	$\frac{15}{16}$	3000	8	-35
Miniature Bayonet	B	C-2V ¹³	$\frac{1}{2}$	$\frac{15}{16}$	3000	10	-36
Miniature Bayonet	B	C-2V ¹³	$\frac{1}{2}$	$\frac{15}{16}$	500	10	-37
Miniature Bayonet	B	C-2V ¹³	—	$\frac{15}{16}$	500	10	-38
Miniature Screw	B	S-2	$\frac{7}{8}$	$1\frac{1}{16}$	15 ³	11	-39
Miniature Screw	B	S-2	$\frac{3}{4}$	$1\frac{1}{16}$	75	11	-40
Miniature Bayonet	B	S-2	$\frac{1}{2}$	$1\frac{1}{16}$	75	12	-41
Miniature Screw	B	C-2R	$\frac{7}{8}$	$1\frac{1}{16}$	50 ³	11	-42



Fig. 9



Fig. 10



Fig. 11

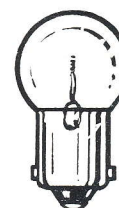


Fig. 12



Fig. 13

³ Average use life. ¹³ Supported. ⁴⁴At 6.6 volts.

ELECTRICAL SPECIFICATIONS

(G-4½ BULB CONT.)

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
10-1	407	Hand Lantern, Flasher lamp, 4F Cells	4.9	.30A	1.2 ²
-2	408	Hand Lantern, Flasher lamp, 4F Cells	4.9	.30A	1.2 ²
-3	27	Hand Lantern, 4F cells	4.9	.30A	1.4 ²
-4	425	Hand Lantern, 4F cells	5.0	.50A	2.3 ²
-5	427	Aircraft, Emergency lighting	5.0	.50A	2.3 ²
-6	502	Hand Lantern, 4F cells	5.1	.15A	.6 ²
-7	503	Hand Lantern, 4F cells	5.1	.15A	.6 ²
-8	1406	Indicator	6.0	.04A	.1 ²
-9	1483	Bicycle, Tail lamp.	6.0	.04A	.1 ²
-10	1482	Bicycle, Headlamp	6.0	.45A	2.2 ²
-11	607	Indicator, Pilot balloon observation	6.0	.50A	3.7 ²
-12	31	Flashlight, 5D cells	6.15	.30A	2.0 ²
-13	605	Flashlight, 5D cells	6.15	.50A	3.4 ²
-14	405	Signal, Flasher lamp	6.5	.50A	1.9 ²
-15	455	Indicator, Flasher lamp	6.5	.50A	1.9 ²
-16	15	Indicator	7.0	.40A	2 ²
-17	55	Auto and Instrument.	7.0	.41A	2
-18	426	Toy Train	8.0	.25A	1.6 ²
-19	419	Instrument, Microscope illuminator	8.0	.60A	4.9 ²
-20	428	Toy Train	12.5	.25A	2.4 ²
-21	57TR	Auto Instrument, Outside coated transparent red ⁴¹	14.0	.24A	—
-22	57	Auto and Instrument.	14.0	.24A	2
-23	57X	Auto and Instrument.	14.0	.24A	2
-24	430	Toy Train	14.0	.25A	2.7 ²
-25	431	Toy Train	14.0	.25A	2.7 ²
-26	431R	Toy Train, Outside coated red ⁴¹	14.0	.25A	—
-27	257	Auto and Toy Train, Flasher lamp.	14.0	.27A	1.6 ²
-28	257R	Auto and Toy Train, Flasher lamp. Outside coated red (Silicate).	14.0	.27A	—
-29	258	Toy Train, Flasher lamp	14.0	.27A	1.6 ²
-30	1895	Auto Truck marker. Heavy duty	14.0	.27A	2
-31	1895A	Sidemarker. Amber silicone coating. Heavy duty	14.0	.27A	—
-32	1895G	Auto, Outside coated green ⁴¹	14.0	.27A	—
-33	1895R	Auto, Outside coated red ⁴¹	14.0	.27A	—
-34	293	Auto, Radio. Heavy duty.	14.0	.33A	2
-35	432	Toy Train	18.0	.25A	3.5 ²
-36	433	Toy Train	18.0	.25A	3.5 ²
-37	432G	Toy Train, Outside coated green ⁴¹	18.0	.25A	—
-38	432R	Toy Train, Outside coated red ⁴¹	18.0	.25A	—
-39	456	Auto Instrument Indicator	28.0	.17A	2

G-5 BULB 5/8 IN. DIAMETER²

-40	1315	Aircraft, Emergency lighting (Krypton Gas)	2.5	1.0A	1.75 ²
-41	1458	Coin Machine	20	.25A	4.2 ²
-42	1464	Coin Machine	22	.25A	3.8 ²
-43	301	Aircraft	28	.17A	3
-44	302	Aircraft	28	.17A	3

G-5½ BULB 1½/16 IN. DIAMETER²

-45	35	Hand Lantern, 2 No. 6 cells	2.5	.80A	1.3 ²
-46	248	Hand Lantern, 2 No. 6 cells	2.5	.80A	1.3 ²
-47	480	Aircraft- Gunsight. Side half-frosted bulb	22	.55A	—

² Approximate. ⁴¹ Consult nearest Sales Office for application information.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
Miniature Screw	B	C-2R	$\frac{13}{16}$	$1\frac{1}{16}$	50 ³	11	10-1
Miniature Bayonet	B	C-2R	$\frac{5}{8}$	$1\frac{1}{16}$	50 ³	12	-2
Miniature Screw	B	C-2R	$\frac{23}{32}$	$1\frac{1}{16}$	30	11	-3
Miniature Screw	C	C-2R	$\frac{23}{32}$	$1\frac{1}{16}$	15	11	-4
Miniature Bayonet	C	C-2R	$\frac{1}{2}$	$1\frac{1}{16}$	15	12	-5
Miniature Screw	B	C-2R	$\frac{23}{32}$	$1\frac{1}{16}$	100	11	-6
Miniature Bayonet	B	C-2R	$\frac{1}{2}$	$1\frac{1}{16}$	100	12	-7
Miniature Bayonet	B	C-6	$\frac{5}{8}$	$1\frac{1}{16}$	500	12	-8
Miniature Screw	B	C-6	$\frac{13}{16}$	$1\frac{1}{16}$	500	11	-9
Miniature Screw	C	C-2R	$\frac{13}{16}$	$1\frac{1}{16}$	100	11	-10
Miniature Bayonet	C	C-2R	$\frac{1}{2}$	$1\frac{1}{16}$	3	12	-11
Miniature Screw	B	C-2R	$\frac{23}{32}$	$1\frac{1}{16}$	15	11	-12
Miniature Screw	C	C-2R	$\frac{23}{32}$	$1\frac{1}{16}$	15	11	-13
Miniature Screw	C	C-2R	$\frac{13}{16}$	$1\frac{1}{16}$	500 ³	11	-14
Miniature Bayonet	C	C-2R	$\frac{9}{16}$	$1\frac{1}{16}$	500 ³	12	-15
Miniature 2-pin	C	C-6	$\frac{11}{16}$	$1\frac{1}{16}$	500	13	-16
Miniature Bayonet	C	C-2R	$\frac{9}{16}$	$1\frac{1}{16}$	500	12	-17
Miniature Screw	B	C-2R	$\frac{23}{32}$	$1\frac{1}{16}$	250	11	-18
Miniature Screw	B	CC-6	—	$1\frac{1}{16}$	50	11	-19
Miniature Screw	B	C-2V ¹³	$\frac{23}{32}$	$1\frac{1}{16}$	250	11	-20
Miniature Bayonet	B	C-2V ¹³	—	$1\frac{1}{16}$	500	12	-21
Miniature Bayonet	B	C-2V ¹³	$\frac{9}{16}$	$1\frac{1}{16}$	500	12	-22
Miniature Bayonet	B	C-2F	$\frac{9}{16}$	$1\frac{1}{16}$	500	12	-23
Miniature Screw	B	C-2V ¹³	$\frac{23}{32}$	$1\frac{1}{16}$	250	11	-24
Miniature Bayonet	B	C-2V ¹³	$\frac{1}{2}$	$1\frac{1}{16}$	250	12	-25
Miniature Bayonet	B	C-2V ¹³	—	$1\frac{1}{16}$	250	12	-26
Miniature Bayonet	C	C-2R	$\frac{9}{16}$	$1\frac{1}{16}$	500 ³	12	-27
Miniature Bayonet	C	C-2R	—	$1\frac{1}{16}$	500 ³	12	-28
Miniature Screw	C	C-2R	$\frac{13}{16}$	$1\frac{1}{16}$	500 ³	11	-29
Miniature Bayonet	B	C-2F	$\frac{9}{16}$	$1\frac{1}{16}$	2000	12	-30
Miniature Bayonet	B	C-2F	—	$1\frac{1}{16}$	2000	12	-31
Miniature Bayonet	B	C-2F	—	$1\frac{1}{16}$	2000	12	-32
Miniature Bayonet	B	C-2F	—	$1\frac{1}{16}$	2000	12	-33
Miniature Bayonet	B	C-2F	$\frac{9}{16}$	$1\frac{1}{16}$	7500	12	-34
Miniature Screw	B	C-2V ¹³	$\frac{23}{32}$	$1\frac{1}{16}$	250	11	-35
Miniature Bayonet	B	C-2V ¹³	$\frac{1}{2}$	$1\frac{1}{16}$	250	12	-36
Miniature Screw	B	C-2V ¹³	—	$1\frac{1}{16}$	250	11	-37
Miniature Screw	B	C-2V ¹³	—	$1\frac{1}{16}$	250	11	-38
Miniature Bayonet	B	C-2F	$\frac{9}{16}$	$1\frac{1}{16}$	5000	12	-39
S. C. Bayonet	C	C-6	$\frac{11}{16}$	$1\frac{1}{4}$	20	14	-40
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{3}{16}$	250	17	-41
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	250	17	-42
S. C. Bayonet	B	C-2F	$\frac{11}{16}$	$1\frac{1}{4}$	500	14	-43
D. C. Bayonet	B	C-2F	$\frac{11}{16}$	$1\frac{1}{4}$	500	15	-44
Miniature Screw	B	C-2R	$\frac{7}{8}$	$1\frac{1}{4}$	150	18	-45
Miniature Screw	B	S-2	$\frac{7}{8}$	$1\frac{1}{4}$	150	18	-46
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{1}{4}$	100	19	-47

LAMPS SHOWN ACTUAL SIZE



Fig. 14

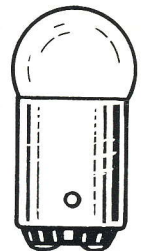


Fig. 15

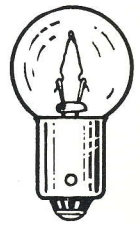


Fig. 17



Fig. 18

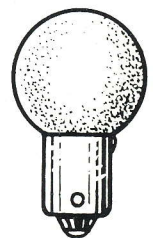


Fig. 19

³ Average useful life. ¹³ Supported.

ELECTRICAL SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
G-6 BULB. 3/4 IN. DIAMETER ²					
12-1	153	Medical, American Optical No. 16. L.C.L.—26 mm. ⁸	5.8	1.10A	7.9 ²
-2	157	Medical, L.C.L. measured to top of filament ⁸	5.8	1.10A	8.1 ²
-3	81	Auto, Aircraft and Coin Machine	6.5	1.02A	6
-4	82	Auto and Marine	6.5	1.02A	6
-5	82AF	Auto and Marine. Outside frosted (Spray Method)	6.5	1.02A	—
-6	1314X	Indicator, High dielectric base insulation	6.5	1.02A	6 ²
-7	63	Auto, Aircraft and Coin Machine	7.0	.63A	3
-8	64	Auto, Aircraft and Marine	7.0	.63A	3
-9	63K	Indicator	7.0	.63A	3
-10	63M	Indicator	7.0	.63A	3
-11	1404	Signal, Two identical filaments in series	10	.09A	.45 ²
-12	1471	Indicator	12	.26A	2.3 ²
-13	89K	Indicator	13	.53A	6
-14	89	Auto	13	.58A	6
-15	90	Auto and Marine	13	.58A	6
-16	67K	Indicator	13.5	.41A	4
-17	68	Auto and Marine	13.5	.59A	4
-18	1155	Auto, Truck marker. Heavy duty	13.5	.59A	4
-19	1232	Indicator. Heavy duty	13.5	.59A	4
-20	67	Auto	13.5	.59A	4
-21	97	Auto, Heavy duty	13.5	.69A	4
-22	97A	Auto, Sidemarker—Outside translucent amber coating. Heavy duty	13.5	.69A	—
-23	97NA	Auto, Sidemarker, Natural amber. Heavy duty	13.5	.69A	—
-24	1178	Auto, Heavy duty	13.5	.69A	4
-25	1178A	Auto, Heavy duty. Outside translucent amber coating	13.5	.69A	—
-26	1247	Auto, Two identical filaments in series	14	.48A	3
-27	631	Auto, Two identical filaments in series. Heavy duty	14	.63A	6
-28	71	Special Service	22	.18A	3
-29	71K	Indicator	22	.18A	3
-30	72	Special Service	22	.18A	3
-31	509K	Indicator	24	.18A	2.8 ²
-32	509KAF	Indicator, All frosted (Spray Method) ⁴¹	24	.18A	—
-33	1251	Auto, Two identical supported filaments in series.	28	.23A	3
-34	1251B	Auto, Two identical supported filaments in series. Outside coated blue. (Silicate)	28	.23A	—
-35	1251CB	Auto, Two identical supported filaments in series. Outside ceramic blue coating	28	.23A	—
-36	1252	Auto, Two identical supported filaments in series.	28	.23A	3
-37	303	Aircraft	28	.30A	6
-38	304	Aircraft	28	.30A	6
-39	303AF	Aircraft, All frosted (Spray Method) ⁴¹	28	.30A	—
-40	303R	Aircraft, Outside coated red (Silicate)	28	.30A	—

² Approximate. ⁸ Bulb top selected for minimum glass imperfections.
⁴¹ Consult nearest Sales Office for application information.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
Miniature Screw	C	C-6	—	1 ⁷ / ₃₂	50	21	12-1
Miniature Screw	C	C-2R	1	1 ⁷ / ₃₂	50	22	-2
S. C. Bayonet	C	C-2R	³ / ₄	1 ⁷ / ₁₆	500	23	-3
D. C. Bayonet	C	C-2R	³ / ₄	1 ⁷ / ₁₆	500	20	-4
D. C. Bayonet	C	C-2R	—	1 ⁷ / ₁₆	500	20	-5
D. C. Bayonet	C	C-2R	³ / ₄	1 ⁷ / ₁₆	500	20	-6
S. C. Bayonet	C	C-2R	³ / ₄	1 ⁷ / ₁₆	1000	23	-7
D. C. Bayonet	C	C-2R	³ / ₄	1 ⁷ / ₁₆	1000	20	-8
Candelabra Screw	C	C-2R	¹⁵ / ₁₆	1 ³ / ₈	1000	24	-9
Miniature Screw	C	C-2R	⁷ / ₈	1 ⁵ / ₁₆	1000	22	-10
S. C. Bayonet	B	2C-2R	³ / ₄	1 ⁷ / ₁₆	800	23	-11
Candelabra Screw	B	C-2V ¹³	¹⁵ / ₁₆	1 ³ / ₈	250	24	-12
Candelabra Screw	C	C-2R	¹⁵ / ₁₆	1 ³ / ₈	750	24	-13
S. C. Bayonet	C	C-2R	³ / ₄	1 ⁷ / ₁₆	750	23	-14
D. C. Bayonet	C	C-2R	³ / ₄	1 ⁷ / ₁₆	750	20	-15
Candelabra Screw	C	C-2R	1	1 ³ / ₈	1500	24	-16
D. C. Bayonet	C	C-2R	¹³ / ₁₆	1 ⁷ / ₁₆	5000	20	-17
S. C. Bayonet	C	2C-2R	¹³ / ₁₆	1 ⁷ / ₁₆	5000	23	-18
D. C. Bayonet	C	2C-2R	¹³ / ₁₆	1 ⁷ / ₁₆	5000	20	-19
S. C. Bayonet	C	C-2R	¹³ / ₁₆	1 ⁷ / ₁₆	5000	23	-20
S. C. Bayonet	C	C-2V ¹³	¹³ / ₁₆	1 ⁷ / ₁₆	5000	23	-21
S. C. Bayonet	C	C-2V ¹³	—	1 ⁷ / ₁₆	5000	23	-22
S. C. Bayonet	C	C-2V ¹³	—	1 ⁷ / ₁₆	5000	23	-23
D. C. Bayonet	C	C-2V ¹³	¹³ / ₁₆	1 ⁷ / ₁₆	5000	20	-24
D. C. Bayonet	C	C-2V ¹³	—	1 ⁷ / ₁₆	5000	20	-25
S. C. Bayonet	C	2C-2R	³ / ₄	1 ⁷ / ₁₆	2000	23	-26
S. C. Bayonet	C	2C-2R	³ / ₄	1 ⁷ / ₁₆	1000	23	-27
S. C. Bayonet	B	C-2V ¹³	³ / ₄	1 ⁷ / ₁₆	200	23	-28
Candelabra Screw	B	C-2V ¹³	¹⁵ / ₁₆	1 ³ / ₈	200	24	-29
D. C. Bayonet	B	C-2V ¹³	³ / ₄	1 ⁷ / ₁₆	200	20	-30
Candelabra Screw	B	C-2F	¹⁵ / ₁₆	1 ³ / ₈	1000	24	-31
Candelabra Screw	B	C-2F	—	1 ³ / ₈	1000	24	-32
S. C. Bayonet	B	2C-2V ¹³	³ / ₄	1 ⁷ / ₁₆	2000	23	-33
S. C. Bayonet	B	2C-2V ¹³	—	1 ⁷ / ₁₆	2000	23	-34
S. C. Bayonet	B	2C-2V ¹³	—	1 ⁷ / ₁₆	2000	23	-35
D. C. Bayonet	B	2C-2V ¹³	³ / ₄	1 ⁷ / ₁₆	2000	20	-36
S. C. Bayonet	B	C-2F	³ / ₄	1 ⁷ / ₁₆	500	23	-37
D. C. Bayonet	B	C-2F	³ / ₄	1 ⁷ / ₁₆	500	20	-38
S. C. Bayonet	B	C-2F	—	1 ⁷ / ₁₆	500	23	-39
S. C. Bayonet	B	C-2F	—	1 ⁷ / ₁₆	500	23	-40

¹³ Supported.

LAMPS SHOWN ACTUAL SIZE

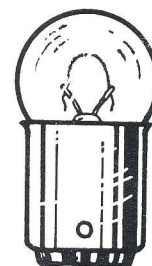


Fig. 20

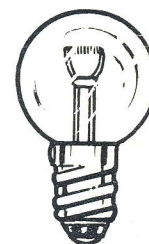


Fig. 21



Fig. 22

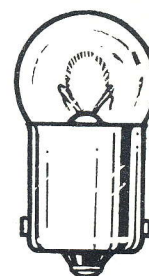


Fig. 23

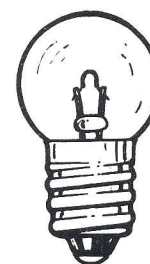


Fig. 24

ELECTRICAL SPECIFICATIONS

(G-6 BULB CONT.)

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
14-1	623	Auto, Two identical supported filaments in series	28	.37A	6
-2	623AF	Auto, Two identical supported filaments in series. Outside Frosted (Spray Method)	28	.37A	—
-3	624	Marine, Two identical supported filaments in series	28	.37A	6
-4	1224K	Indicator	32	.16A	4 ²
-5	1223	Marine	34	.16A	3.8 ²
-6	1224	Marine	34	.16A	3.8 ²

G-8 BULB 1 IN. DIAMETER²

-7	1491	Hand Lantern, Half-twist filament, 2 No. 6 cells	2.4	.80A	1.3 ²
-8	812	Instrument. Microscope Illuminator	6.5	1.70A	12.5 ²
-9	809M	Instrument ⁴¹	70	8W	—

G-9 BULB 1 1/8 IN. DIAMETER²

-10	835	Aircraft, Gunsight (Bulb—7/8" diameter reflectorized area on one side—frosted window on opposite side.)	12.8	{ 1.31A 1.31A	—
-11	842	Aircraft, Gunsight (Bulb reflectorized—Frosted window)	12.8	{ 1.31A 1.31A	—
-12	836	Aircraft, Gunsight (Bulb reflectorized—Frosted window)	28	{ .68A .68A	—
-13	844	Aircraft, Gunsight (Bulb reflectorized—Frosted window)	28	{ .68A .68A	—
-14	839	Aircraft, Gunsight (Bulb reflectorized—clear window)	28	{ 24W 24W	—

G-10 BULB 1 1/4 IN. DIAMETER²

-15	847	Aircraft, Gunsight (Bulb reflectorized—clear window)	12.5	{ 2.0A 2.0A	—
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G-12 BULB. 1 1/2 IN. DIAMETER²

-16	841	Aircraft, Bulb reflectorized—clear window	12.5	3.0A	—
-17	997	Special Service, Computer. Bulb—1 3/16" diameter reflectorized area on one side)	12.5	3.0A	—

G-16 1/2 BULB 2 1/16 IN. DIAMETER² Burning Position—Base down to horiz., except as noted.

-18	958	Searchlight. Burning position—any	{ 5.5 6.0	2.0A 0.82A	14 ² 5 ²
-19	2133	Instrument.	6	5.0A	45 ²
-20	976	Searchlight.	12	6.0A	130 ²
-21	1019	Searchlight.	12.8	4.75A	100
-22	1238	Marine	32	3.5A	225 ²
-23	1240	Special Service	32	3.6A	250 ²

² Approximate.

⁴¹ Consult nearest Sales Office for application information.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No
S. C. Bayonet	B	2C-2V ¹³	$\frac{3}{4}$	$1\frac{1}{16}$	1000	23	14-1
S. C. Bayonet	B	2C-2V ¹³	—	$1\frac{1}{16}$	1000	23	-2
D. C. Bayonet	B	2C-2V ¹³	$\frac{3}{4}$	$1\frac{1}{16}$	1000	20	-3
Candelabra Screw	B	C-2F	$\frac{7}{8}$	$1\frac{3}{8}$	200	24	-4
S. C. Bayonet	B	C-2F	$1\frac{1}{16}$	$1\frac{1}{16}$	275	23	-5
D. C. Bayonet	B	C-2F	$1\frac{1}{16}$	$1\frac{1}{16}$	275	20	-6
D. C. Bayonet	B	S-2	$\frac{7}{8}$	$1\frac{3}{4}$	75	—	-7
D. C. Bayonet	C	C-2V	$\frac{15}{16}$	$1\frac{3}{4}$	150	—	-8
Miniature Screw	B	C-7A	$1\frac{1}{8}$	$1\frac{3}{4}$	600	—	-9
D. C. Bayonet	C	{C-8 I C-6	$1\frac{1}{4}$	$2\frac{1}{8}$	{300 300	—	-10
D. C. Bayonet	C	{C-8 C-6	—	$2\frac{1}{8}$	{300 300	26	-11
D. C. Bayonet	C	{CC-6 CC-6	—	$2\frac{1}{8}$	{300 300	25	-12
D. C. Bayonet	C	{CC-81 CC-6	$1\frac{1}{4}$	$2\frac{1}{8}$	{300 300	26	-13
D. C. Bayonet	C	{CC-81 CC-6	$1\frac{1}{4}$	$2\frac{1}{8}$	{300 300	26	-14
D. C. Bayonet	C	{C-6 C-8	—	$2\frac{1}{16}$	{300 300	28	-15
D. C. Bayonet	C	3C-6	$1\frac{1}{4}$	$2\frac{3}{8}$	300	29	-16
D. C. Pf. (A)	C	3C-6	$1\frac{1}{8}$	$2\frac{3}{8}$	300	—	-17
D. C. Bayonet	C	{C-8Z C-12	$1\frac{1}{4}$	3	{50 100	31	-18
Wire Terminal	C	C-8Z	—	$2\frac{3}{8}$	50	—	-19
D. C. Bayonet	C	C-6	$1\frac{1}{4}$	3	50	31	-20
S. C. Bayonet	C	C-2V	$1\frac{1}{4}$	3	100	30	-21
D. C. Bayonet	C	CC-6	$1\frac{1}{4}$	3	50	31	-22
D. C. Pf. (A)	C	CC-6	$1\frac{1}{8}$	3	35	32	-23

¹³ Supported.

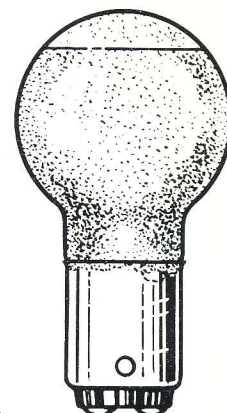


Fig. 25
(ACTUAL SIZE)

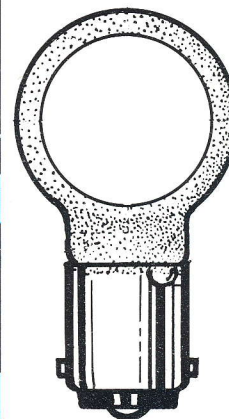


Fig. 26
(ACTUAL SIZE)

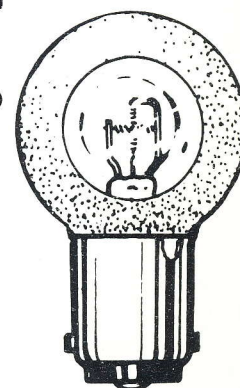


Fig. 28
(ACTUAL SIZE)

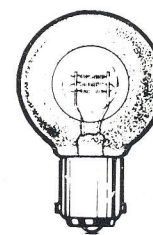


Fig. 29
($\frac{1}{2}$ SIZE)

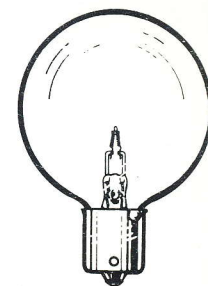


Fig. 30
($\frac{1}{2}$ SIZE)

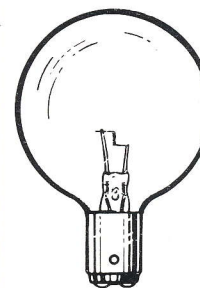


Fig. 31
($\frac{1}{2}$ SIZE)

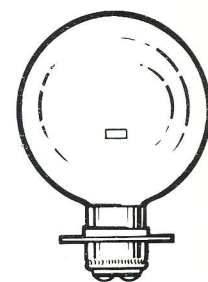


Fig. 32
($\frac{1}{2}$ SIZE)

ELECTRICAL SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
R-12 BULB 1½ IN.					
16-1	1384	Aircraft, Base half of bulb reflectorized ²¹	6	20 W	—
-2	1383	Auto Reading light. Base half of bulb reflectorized ²¹	13	20 W	—
-3	1388	Special Service, Telephone trouble. Base half of bulb reflectorized ²¹	24	20 W	—
-4	1380	Aircraft, Gunsight. Base half of bulb reflectorized. Burn—B.D. to Horiz.	28	1.35 A 1.35 A	—
-5	1385	Special Service, Reading light. Base half of bulb reflectorized ²¹	28	20 W	—
-6	1385X	Special Service. Base half of bulb reflectorized—top clear.	28	20 W	—
-7	1390	Special Service, Telephone trouble. Base half of bulb reflectorized ²¹	48	20 W	—
RP-11 BULB 1¾ IN. DIAMETER ² Burning Position—Base down to horiz., except as noted.					
-8	1021	Hand Lantern, 4 No. 6 cells. Burning position—any	4.5	1.25 A	5.7 ²
-9	1184	Searchlight.	5.5	6.25 A	50
-10	1183	Auto Spotlamp	5.5	6.25 A	50
-11	2331	Auto Headlamp	5.9 6.2	4.66 A 4.49 A	32 32
-12	2338	Instrument—High temperature solder.	5.9 6.2	4.66 A 4.49 A	32 32
-13	1501	Auto.	5.9	6.36 A	50
-14	1503	Auto and Aircraft.	5.9	6.53 A	50
-15	1504	Instrument.	5.9	6.53 A	50
-16	2530	Auto Headlamp—32 C.P. filament above axis, 50 C.P. filament on axis	5.9 6.2	6.53 A 4.23 A	50 32
-17	1025	Searchlight, 6 No. 6 cells	6.0	2.35 A	19 ²
-18	1700	Instrument, Photocell exciter	6.0	5.5 A	28
-19	1699	Instrument, Photocell exciter	6.0	5.7 A	32
-20	1209	Auto Spotlamp	6.1	4.1 A	32
-21	1912	Instrument. Silver contact.	6.1	4.1 A	32
-22	1133	Auto.	6.2	3.91 A	32
-23	1134	Auto.	6.2	3.91 A	32
-24	1621	Instrument, Oscillograph	6.2	3.91 A	—
-25	1321	Auto.	6.2	4.10 A	32
-26	1323	Auto, Fog spotlamp	6.2	4.13 A	32
-27	1325	Special Service, Photoelectric scanner, silver contact	6.2	4.13 A	32 ²
-28	1502	Special Service, Outside coated black with window on side ⁴¹	6.2	4.13 A	—
-29	2330	Auto Headlamp—one filament offset	6.2 6.2	4.23 A 4.23 A	32 32
-30	1143	Auto.	12.5	1.98 A	32
-31	1144	Auto.	12.5	1.98 A	32
-32	1195	Auto, Nickel-plated base	12.5	3.00 A	50
-33	1196	Auto.	12.5	3.00 A	50
-34	1293	Auto.	12.5	3.00 A	50

² Approximate. ²¹ Top of Bulb Light Outside Frosted.

⁴¹ Consult nearest Sales Office for application information.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
S. C. Bayonet	C	C-8	—	2 $\frac{5}{8}$	300	34	16-1
S. C. Bayonet	C	C-8	—	2 $\frac{5}{8}$	300	34	-2
D. C. Bayonet	C	CC-8	—	2 $\frac{5}{8}$	500	—	-3
D. C. Bayonet	C	CC-2V ¹³ CC-2V ¹³	—	2 $\frac{5}{16}$	100 100	—	-4
S. C. Bayonet	C	CC-8	—	2 $\frac{5}{8}$	300	34	-5
S. C. Bayonet	C	CC-8	—	2 $\frac{5}{8}$	300	34	-6
D. C. Bayonet	C	C-7A	—	2 $\frac{5}{8}$	1500	—	-7
S. C. Pf. (B)	C	C-6	$\frac{7}{8}$	2 $\frac{1}{4}$	75	35	-8
D. C. Bayonet	C	C-2V	1 $\frac{1}{4}$	2 $\frac{1}{4}$	100	37	-9
S. C. Bayonet	C	C-2V	1 $\frac{1}{4}$	2 $\frac{1}{4}$	100	38	-10
D. C. Pf. (S)	C	C-6 C-6	1.176	2 $\frac{1}{4}$	400 400	36	-11
D. C. Pf. (S)	C	C-6 C-6	1.176	2 $\frac{1}{4}$	400 400	36	-12
S. C. Pf. (B)	C	C-6	$\frac{7}{8}$	2 $\frac{1}{4}$	200	35	-13
S. C. Pf. (B)	C	C-2V	$\frac{7}{8}$	2 $\frac{1}{4}$	200	35	-14
D. C. Pf. (B)	C	C-2V	$\frac{7}{8}$	2 $\frac{1}{4}$	200	36	-15
D. C. Pf. (A)	C	C-2V C-2V	1 $\frac{1}{8}$	2 $\frac{1}{4}$	200 200	39	-16
S. C. Pf. (B)	C	C-6	$\frac{7}{8}$	2 $\frac{1}{4}$	75	35	-17
S. C. Bayonet	C	C-2V	1 $\frac{1}{4}$	2 $\frac{1}{4}$	3000+	38	-18
S. C. Bayonet	C	C-2V	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2000	38	-19
S. C. Pf. (B)	C	C-6	$\frac{7}{8}$	2 $\frac{1}{4}$	125	35	-20
S. C. Pf. (B)	C	C-8Z	$\frac{7}{8}$	2 $\frac{1}{4}$	125	35	-21
S. C. Bayonet	C	C-2R	1 $\frac{1}{4}$	2 $\frac{1}{4}$	200	38	-22
D. C. Bayonet	C	C-2R	1 $\frac{1}{4}$	2 $\frac{1}{4}$	200	37	-23
S. C. Bayonet	C	C-2V	1 $\frac{1}{4}$	2 $\frac{1}{4}$	200	38	-24
S. C. Pf. (B)	C	C-6	$\frac{7}{8}$	2 $\frac{1}{4}$	200	35	-25
S. C. Pf. (B)	C	C-2V	$\frac{7}{8}$	2 $\frac{1}{4}$	200	35	-26
S. C. Pf. (B)	C	C-2V	$\frac{7}{8}$	2 $\frac{1}{4}$	200	35	-27
S. C. Pf. (B)	C	C-2V	$\frac{7}{8}$	2 $\frac{1}{4}$	200	35	-28
D. C. Pf. (A)	C	C-2V C-2V	1 $\frac{1}{8}$	2 $\frac{1}{4}$	200 200	39	-29
S. C. Bayonet	C	C-2R	1 $\frac{1}{4}$	2 $\frac{1}{4}$	400	38	-30
D. C. Bayonet	C	C-2R	1 $\frac{1}{4}$	2 $\frac{1}{4}$	400	37	-31
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2 $\frac{1}{4}$	300	38	-32
D. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2 $\frac{1}{4}$	300	37	-33
S. C. Bayonet	C	C-2R	1 $\frac{1}{4}$	2 $\frac{1}{4}$	300	38	-34

¹³ Supported.

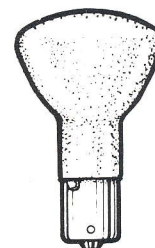


Fig. 34
($\frac{1}{2}$ SIZE)



Fig. 35
($\frac{1}{2}$ SIZE)

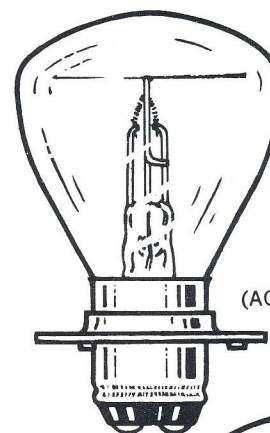


Fig. 36
(ACTUAL SIZE)

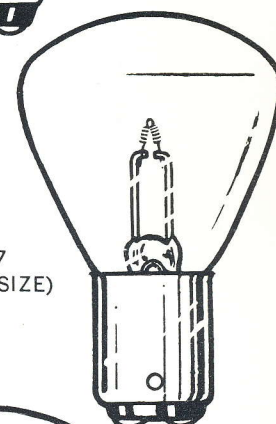


Fig. 37
(ACTUAL SIZE)

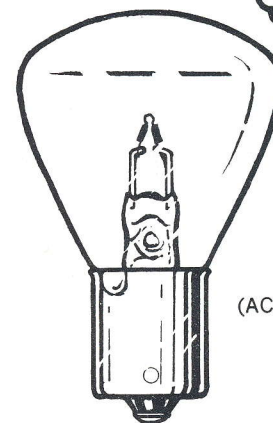


Fig. 38
(ACTUAL SIZE)

ELECTRICAL SPECIFICATIONS

(RP-11 BULB CONT.)

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
18-1	1507	Auto.	12.5	3.00A	50
-2	1044	Auto, Base collar slotted - 32 C.P. filament at right angles to 35 W filament	{12.8 12.8	2.73A, 35 W 1.85A	— 32
-3	1327	Auto, Fog Spotlamp	12.8	2.08A	32
-4	1047	Aircraft	26.0	2.70A	105 ²
-5	1048X	Aircraft. Two 42.5 C.P. fil. in mult. C-2V fil. Inverted ⁴¹	28	{2.34 .52	{85 10 ²
-6	1230	Special Service. Emergency Lighting	32	.53A	21
-7	1054	Marine	32	.74A	32
-8	1056	Marine	32	1.15A	50
-9	1150	Auto. Burning position—any	44	.47A	21

S-6 BULB. 3/4 IN. DIAMETER²

-10	1424	Instrument. Photocell Exciter. Silver contact	3.7	2.75A	11 ²
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S-8 BULB 1 IN. DIAMETER²

-11	1492	Hand Lantern, 2 No. 6 cells	2.5	1.50A	3.2 ²
-12	1459	Hand Lantern, 4V storage battery.	4.0	.80A	2.5 ²
-13	1584	Hand Lantern, 4V storage battery.	4.0	2.0A	8.8 ²
-14	1006	Instrument. Photocell exciter	4.5	1.25A	5.7 ²
-15	1553	Hand Lantern, 8F cells in series parallel	4.75	{1.0A 1.0A	5 ²
-16	1651	Hand Lantern, 4F or 8F cells in series parallel.	5.0	.60A	3 ²
-17	1565	Instrument, Photoelectric scanner ⁷	5.1	1.75A	4.8
-18	1612	Instrument ⁷	5.4	1.90A	10 ²
-19	1613	Instrument, Oscillograph ⁷	6.0	1.5A	13 ²
-20	1613X	Instrument, Oscillograph (Krypton Gas) ⁷	6.0	1.5A	14 ²
-21	1680	Aircraft	6.0	4.10A	32
-22	1680X	Aircraft, Silver Contact	6.0	4.10A	32
-23	1680 IF	Aircraft, Inside frosted	6.0	4.10A	32
-24	1096	Instrument, Microscope Illuminator ⁷	6.0	4.5A	30 ²
-25	1468	Medical Instrument. Burning position—Base up to horizontal ⁷	6.0	4.5A	30 ²
-26	1594	Instrument, Microscope illuminator. Burn. pos.—Base down to horizontal ⁷	6.0	5.0A	36 ²
-27	1615	Instrument, Microscope illuminator. Burn—B.D. to horizontal ⁷	6.0	5.0A	36 ²

² Approximate. ⁷ Entire bulb selected for minimum glass imperfections.
⁴¹ Consult nearest Sales Office for application information.

PHYSICAL SPECIFICATIONS

LAMPS SHOWN ACTUAL SIZE

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
S. C. Pf. (B)	C	C-2V ¹³	$\frac{7}{8}$	$2\frac{1}{4}$	300	35	18-1
D. C. Pf. (S)	C	C-6	$1\frac{1}{8}$	$2\frac{1}{4}$	300	36	-2
S. C. Pf. (B)	C	C-2V ¹³	$\frac{7}{8}$	$2\frac{1}{4}$	200		
S. C. Bayonet	C	2CC-6	$1\frac{1}{4}$	$2\frac{1}{4}$	300	35	-3
D. C. Index	C	{2-CC6 C-2V ¹³	$1\frac{1}{4}$	$2\frac{1}{4}$	25	38	-4
					125	40	-5
					300		
D. C. Bay.	C	C-2V ¹³	$1\frac{1}{4}$	$2\frac{1}{4}$	100	37	-6
D. C. Bayonet	C	C-2V ¹³	$1\frac{1}{4}$	$2\frac{1}{4}$	100	37	-7
D. C. Bayonet	C	C-5	$1\frac{1}{4}$	$2\frac{1}{4}$	100	37	-8
D. C. Bayonet	C	C-13	$1\frac{1}{4}$	$2\frac{1}{4}$	150	37	-9
S. C. Bay.	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	100	—	-10
D. C. Bayonet	B	S-2	$\frac{15}{16}$	2	15	41	-11
S. C. Bayonet	C	C-2R	$1\frac{1}{8}$	2	300	43	-12
D. C. Bayonet	C	C-2R	$1\frac{1}{8}$	2	100	41	-13
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	2	75	43	-14
D. C. Bayonet	C	{C-6 S-2	$1\frac{1}{8}$	2	100	41	-15
					100		
S. C. Bayonet	C	C-2R	$1\frac{1}{8}$	2	20	43	-16
S. C. Pf. (A)	C	C-8 I	1	2	5000+	42	-17
D. C. Bayonet	C	C-6	$1\frac{1}{4}$	2	1000	41	-18
S. C. Bayonet	C	C-6	$1\frac{1}{4}$	2	50	43	-19
S. C. Bayonet	C	C-6	$1\frac{1}{4}$	2	75	43	-20
S. C. Bayonet	C	C-6	$1\frac{1}{4}$	2	300	43	-21
S. C. Bayonet	C	C-6	$1\frac{1}{4}$	2	300	43	-22
S. C. Bayonet	C	C-6	—	2	300	43	-23
D. C. Pf. (S)	C	Hor. C-2R	1	2	500	45	-24
D. C. Pf. (S)	C	C-2R	$1\frac{1}{4}$	2	500	45	-25
D. C. Bayonet	C	C-6	$1\frac{1}{4}$	2	250	41	-26
S. C. Pf. (B)	C	C-6	$\frac{7}{8}$	2	250	42	-27

¹³ Supported.

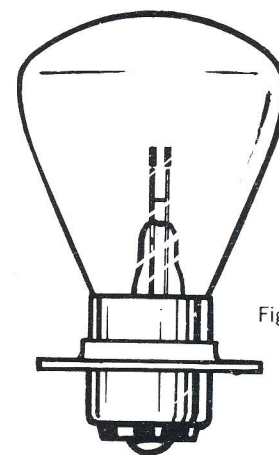


Fig. 39

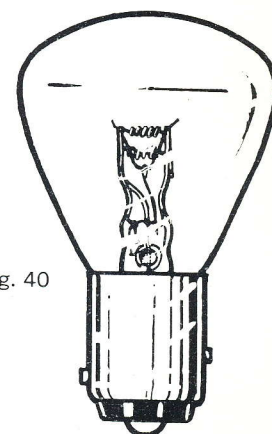


Fig. 40

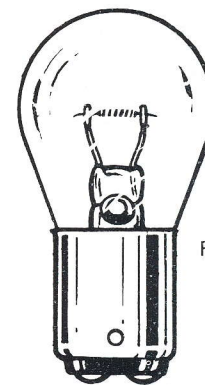


Fig. 41

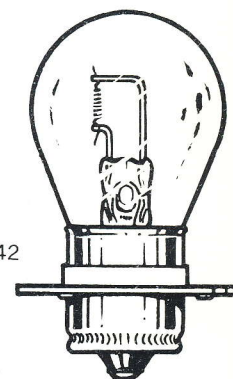


Fig. 42

(S-8 BULB CONT.)

ELECTRIC
SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
20-1	1129	Auto	6.4	2.63A	21
-2	1130	Auto	6.4	2.63A	21
-3	1131	Special Service, one side half reflectorized.	6.4	2.63A	21
-4	1154	Auto Stop, Tail, Signal	{ 6.4 7.0	2.63A .75A	21 3
-5	1158	Auto Stop, Tail, Signal	{ 6.4 7.0	2.63A .75A	21 3
-6	1605	Special Service, Facsimile recorder	6.4	2.69A	21 ²
-7	1606	Special Service, Foul line detector. Fil. to base shell & one eyelet	6.4	2.69A	21 ²
-8	1608	Special Service, Photoelectric scanner, Silver contacts	6.4	2.69A	21 ²
-9	1626	Special Service, Sewing Machine	6.4	3.00A	23 ²
-10	6	Special Service, Sewing Machine	6.4	3.0A	23 ²
-11	6 IF	Special Service, Sewing Machine (Inside frosted)	6.4	3.0A	23 ²
-12	6X	Special Service, Sewing Machine, Raised brass contacts	6.4	3.0A	23 ²
-13	1460	Medical ⁷	6.5	2.75A	23 ²
-14	1460X	Microscope Illuminator. Silver contacts	6.5	2.75A	23 ²
-15	1493	Instrument, Microscope illuminator ⁷	6.5	2.75A	23 ²
-16	1497	Instrument, Microscope illuminator ⁷	6.5	2.75A	23 ²
-17	1629	Instrument, Microscope illuminator ⁷	6.5	2.75A	23 ²
-18	1630	Instrument, Microscope illuminator ⁷	6.5	2.75A	23 ²
-19	1631X	Instrument, Colorimeter, Silver contacts ⁷	6.5	2.75A	23 ²
-20	1649	Instrument, Microscope illuminator, Rect. shaped filament ⁸	6.5	2.75A	23 ²
-21	1493D	Instrument, Microscope illuminator, Daylight bulb ⁷	6.5	2.75A	—
-22	1619	Instrument ⁷	6.7	1.90A	15
-23	1632	Instrument ⁷	6.8	1.70A	15 ²
-24	87	Auto	6.8	1.91A	15
-25	88	Auto and Marine	6.8	1.91A	15
-26	8	Special Service, Sewing Machine	8.0	2.20A	20 ²
-27	8 IF	Special Service, Sewing Machine. Inside frosted	8.0	2.20A	20 ²
-28	1295	Auto. Burn Base Down to Horizontal.	12.5	3.00A	50
-29	93	Auto	12.8	1.04A	15
-30	93 IF	Auto Interior, Inside frosted	12.8	1.04A	15
-31	94	Auto and Marine	12.8	1.04A	15
-32	1005	Auto Stop Signal	{ 12.8 12.8	1.26A 1.26A	21 21
-33	1152	Special Service ⁷	12.8	1.34A	21 ²
-34	1016	Auto Stop, Tail Signal	{ 12.8 14.0	1.34A .59A	21 6
-35	1176	Auto Stop, Tail Signal	{ 12.8 14.0	1.34A .59A	21 6
-36	1161	Signal	12.8	1.35A	22 ²
-37	1141	Auto	12.8	1.44A	21
-38	1141 IF	Auto Interior, Inside frosted	12.8	1.44A	21
-39	1142	Auto	12.8	1.44A	21
-40	1777	Aircraft Tail Light	12.8	1.52A	26 ²
-41	1034	Auto Stop, Tail Signal	{ 12.8 14.0	1.80A .59A	32 3
-42	1034A	Auto Signal, Park. Outside translucent amber coating	{ 12.8 14.0	1.80A .59A	— —
-43	1034NA	Auto, Signal-Park, Natural Amber	{ 12.8 14.0	1.80A .59A	— —
-44	2106	Auto	{ 12.8 14.0	1.80A .51A	32 4
-45	1073	Auto Signal.	12.8	1.80A	32
-46	1076	Auto	12.8	1.80A	32
-47	1165	Special Service. Brass contact	12.8	1.80A	32
-48	1157	Auto, Truck stop signal. Heavy duty	{ 12.8 14.0	2.10A .59A	32 3
-49	1157A	Auto Signal, Park. Outside translucent amber coating. Heavy duty	{ 12.8 14.0	2.10A .59A	—

² Approximate. ⁷ Entire bulb selected for minimum glass imperfections.⁸ Bulb top selected for minimum glass imperfections.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designation	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
S. C. Bayonet	C	C-6	1 1/4	2	200	43	20-1
D. C. Bayonet	C	C-6	1 1/4	2	200	41	-2
D. C. Bayonet	C	C-6	1 1/4	2	200	41	-3
D. C. Index	C	C-6	1 1/4	2	200 } 1000 }	44	-4
D. C. Bayonet	C	C-6	1 1/4	2	200 } 1000 }	41	-5
S. C. Bayonet	C	C-2V	1 1/4	2	200	43	-6
D. C. Index	C	C-6	1 1/4	2	200	44	-7
D. C. Bayonet	C	C-2V	1 1/4	2	200	41	-8
D. C. Index	C	C-2R	1 1/4	2	500	44	-9
D. C. Bayonet	C	C-2R	1 1/4	2	500	41	-10
D. C. Bayonet	C	C-2R	—	2	500	41	-11
Special D. C. Bayonet	C	C-2R	1 1/4	2	500	—	-12
D. C. Pf. (A)	C	C-6	1 1/4	2	100	45	-13
D. C. Pf. (A)	C	C-6	1 1/4	2	100	45	-14
D. C. Bayonet	C	C-6	1 1/8	2	100	41	-15
D. C. Bayonet	C	C-6	1 1/8	2	100	41	-16
S. C. Bayonet	C	C-6	1 1/8	2	100	43	-17
D. C. Pf. (A)	C	C-6	1	2	100	45	-18
D. C. Pf. (A)	C	C-6	1	2	100	45	-19
D. C. Pf. (A)	C	FC-6Z	1 1/4	2	100	45	-20
D. C. Bayonet	C	C-6	1 1/8	2	100	41	-21
S. C. Bayonet	C	C-6	1 1/8	2	500	43	-22
D. C. Bayonet	C	C-2R	1 1/8	2	150	41	-23
S. C. Bayonet	C	C-6	1 1/8	2	300	43	-24
D. C. Bayonet	C	C-6	1 1/8	2	300	41	-25
D. C. Bayonet	C	C-2R	1 1/4	2	500	41	-26
D. C. Bayonet	C	C-2R	—	2	500	41	-27
S. C. Bayonet	C	C-2R	1 1/4	2	300	43	-28
S. C. Bayonet	C	C-2R	1 1/8	2	700	43	-29
S. C. Bayonet	C	C-2R	—	2	700	43	-30
D. C. Bayonet	C	C-2R	1 1/8	2	700	41	-31
D. C. Bayonet	C	C-2R	1 1/4	2	300 } 300 }	41	-32
D. C. Bayonet	C	C-2R	1 1/4	2	500 } 300 }	41	-33
D. C. Index	C	C-6	1 1/4	2	1500 } 300 }	44	-34
D. C. Bayonet	C	C-6	1 1/4	2	1500 }	41	-35
S. C. Bayonet	C	CC-6	1 1/4	2	500	43	-36
S. C. Bayonet	C	C-6	1 1/4	2	1000	43	-37
S. C. Bayonet	C	C-6	—	2	1000	43	-38
D. C. Bayonet	C	C-6	1 1/4	2	1000	41	-39
S. C. Bayonet	C	C-2R	1 1/8	2	400	43	-40
D. C. Index	C	C-6	1 1/4	2	200 } 5000 }	44	-41
D. C. Index	C	C-6	—	2	200 } 5000 }	44	-42
D. C. Index	C	C-6	—	2	200 } 5000 }	44	-43
Wire Terminal	C	C-6	—	1 3/4	200 } 5000 }	—	-44
S. C. Bayonet	C	C-6	1 1/4	2	200	43	-45
D. C. Bayonet	C	C-6	1 1/4	2	200	41	-46
S. C. Bayonet	C	C-6	1 1/4	2	200	43	-47
D. C. Index	C	C-6	1 1/4	2	1200 } 5000 }	44	-48
D. C. Index	C	C-6	—	2	1200 } 5000 }	44	-49

³⁷ 200 hours at 14 volts.

LAMPS SHOWN ACTUAL SIZE

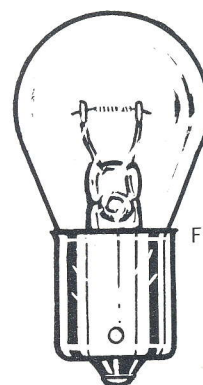


Fig. 43

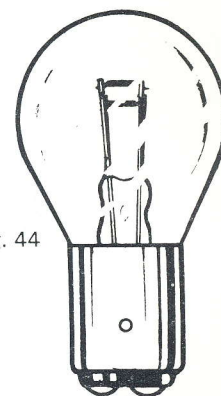


Fig. 44

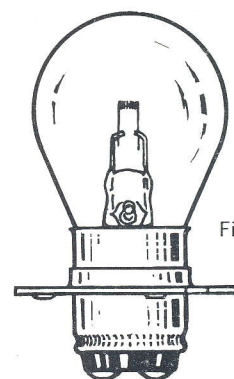


Fig. 45

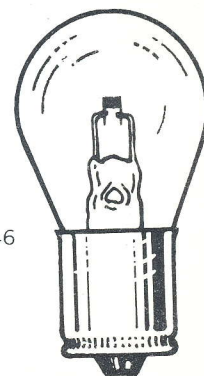


Fig. 46

(S-8 BULB CONT.)

ELECTRICAL
SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
22-1	1157NA	Auto Signal, Park. Natural amber. Heavy duty	{12.8 14.0	2.10A .59A	—
-2	2142	Auto, Truck, Stop signal	{12.8 14.0	2.10A .59A	32 4
-3	2144	Auto, Truck, Signal	12.8	2.10A	32
-4	1156	Auto, Truck signal. Heavy duty	12.8	2.10A	32
-5	1095	Auto, Park	14.0	.51A	4
-6	93T	Special Service	15.5	1.12A	24 ²
-7	1634	Instrument, Microscope illuminator, Burn Base Up to horizontal ⁸	20.0	1.0A	24 ²
-8	305	Aircraft	28.0	.51A	15
-9	305 IF	Aircraft, Inside frosted	28.0	.51A	15
-10	306	Aircraft	28.0	.51A	15
-11	1691	Auto—2 Identical filaments in series	28.0	.61A	15
-12	1691 IF	Aircraft, Inside frosted—2 Identical filaments in series	28.0	.61A	15
-13	1692	Marine—2 Identical filaments in series	28.0	.61A	15
-14	2232	Aircraft. Spiral lead	28.0	.643A	—
-15	307	Aircraft	28.0	.67A	21
-16	307 IF	Aircraft, Inside frosted	28.0	.67A	21
-17	308	Aircraft	28.0	.67A	21
-18	308 IF	Aircraft, Inside frosted	28.0	.67A	21
-19	307NR	Aircraft, Natural ruby	28.0	.67A	—
-20	307R	Aircraft, Outside coated red. (Silicate)	28.0	.67A	—
-21	307SB	Aircraft, Reflectorized bowl	28.0	.67A	—
-22	1666	Aircraft	28.0	{.68A .68A	21 21
-23	1666IF	Aircraft, Inside frosted	28.0	{.68A .68A	21 21
-24	1203	Auto	28.0	.71A	21
-25	1204	Auto	28.0	.71A	21
-26	1231W	Special Service. Microfilm recorder, White (Enameled)	28.0	.75A	—
-27	2233	Aircraft. Spiral lead	28.0	.766A	21
-28	1665	Aircraft	28.0	.80A	21
-29	1665 IF	Aircraft, Inside frosted	28.0	.80A	21
-30	1665 SB	Aircraft. Reflectorized bowl	28.0	.80A	—
-31	315	Aircraft	28.0	.90A	32
-32	1662	Aircraft, C-2V filament inverted. Burn—B.D. to horizontal ¹⁵	28.0	{.93A .34A	32 6
-33	2155	Auto, C-2V filament inverted ⁴¹	28.0	{.93A .34A	32 6
-34	1683	Auto and Aircraft—2 Identical filaments in series.	28.0	1.02A	32
-35	1638	Marine—2 Identical filaments in series	28.0	1.02A	32
-36	1682	Aircraft. For operation in ambient temp. of 400°F—2 Identical fils. in series.	28.0	1.02A	32
-37	1228	Marine	34.0	.45A	15 ²
-38	109	Auto, Electric vehicle	44.0	.17A	6 ²
-39	110	Auto, Electric vehicle	44.0	.17A	6 ²
-40	1678	Telephone	48.0	.17A	6 ²

² Approximate. ¹⁵ Limited mechanical strength. ⁸ Bulb top selected for minimum glass imperfections. ⁴¹ Consult nearest Sales Office for application information.

PHYSICAL SPECIFICATIONS

LAMPS SHOWN ACTUAL SIZE

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
D. C. Index	C	C-6	—	2	1200 } 5000 }	44	22-1
Wire Terminal	C	C-6	—	1 $\frac{3}{4}$	600 ³⁷ } 5000 }	—	-2
Wire Terminal	C	C-6	—	1 $\frac{3}{4}$	600 ³⁷	—	-3
S. C. Bayonet	C	C-6	1 $\frac{1}{4}$	2	1200	43	-4
S. C. Bayonet	C	C-6	1 $\frac{1}{4}$	2	5000	43	-5
S. C. Bayonet	C	C-2R	1 $\frac{1}{8}$	2	150	43	-6
D. C. Pf. (A)	C	CC-6	1 $\frac{1}{4}$	2	200	45	-7
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{8}$	2	300	43	-8
S. C. Bayonet	C	C-2V ¹³	—	2	300	43	-9
D. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{8}$	2	300	41	-10
S. C. Bayonet	C	2C-2R	1 $\frac{1}{8}$	2	1000	43	-11
S. C. Bayonet	C	2C-2R	—	2	1000	43	-12
D. C. Bayonet	C	2C-2R	1 $\frac{1}{8}$	2	1000	41	-13
S. C. Bayonet	C	CC-8	1 $\frac{3}{16}$	2	2000	43	-14
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{8}$	2	300	43	-15
S. C. Bayonet	C	C-2V ¹³	—	2	300	43	-16
D. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{8}$	2	300	41	-17
D. C. Bayonet	C	C-2V ¹³	—	2	300	41	-18
S. C. Bayonet	C	C-2V ¹³	—	2	300	43	-19
S. C. Bayonet	C	C-2V ¹³	—	2	300	43	-20
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{8}$	2	300	43	-21
D. C. Bayonet	C	CC-6	1 $\frac{1}{4}$	2	300 } 300 }	41	-22
D. C. Bayonet	C	CC-6	—	2	300 } 300 }	41	-23
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2	400	43	-24
D. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2	400	41	-25
D. C. Bayonet	C	CC-6	—	2	150	41	-26
S. C. Bayonet	C	CC-8	1 $\frac{3}{16}$	2	2000	43	-27
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{8}$	2	1000	43	-28
S. C. Bayonet	C	C-2V ¹³	—	2	1000	43	-29
S. C. Bayonet	C	C-2V ¹³	—	2	1000	43	-30
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{8}$	2	300	43	-31
D. C. Index	C	CC-6	1 $\frac{1}{4}$	2	400 } 1000 }	44	-32
Wire Terminal	C	CC-6	—	1 $\frac{3}{4}$	400 } 1000 }	—	-33
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2	500	43	-34
D. C. Bayonet	C	2C-6	1 $\frac{1}{4}$	2	500	41	-35
S. C. Bayonet	C	2C-6	1 $\frac{1}{4}$	2	500	43	-36
D. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{8}$	2	275	41	-37
S. C. Bayonet	B	C-7A	1 $\frac{1}{8}$	2	200	43	-38
D. C. Bayonet	B	C-7A	1 $\frac{1}{8}$	2	200	41	-39
D. C. Bayonet	B	C-7A	1 $\frac{1}{8}$	2	200	41	-40

¹³ Supported. ³⁷ 200 hours at 14 volts.

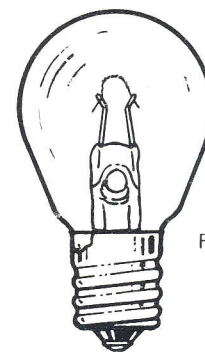


Fig. 47

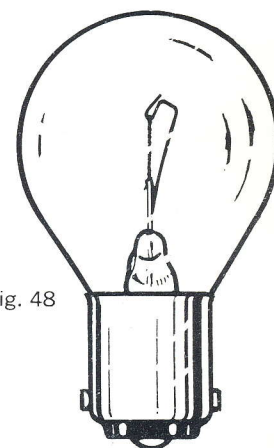


Fig. 48

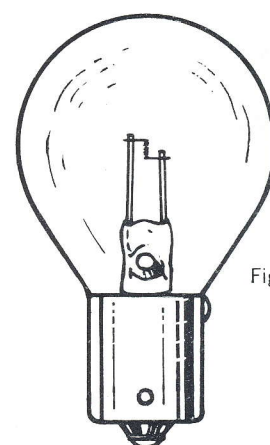


Fig. 49

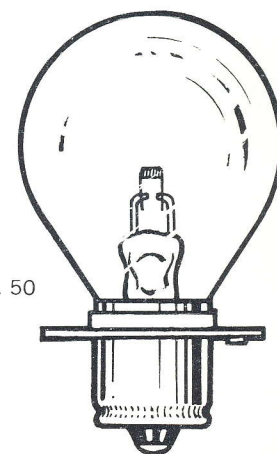


Fig. 50

ELECTRICAL SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
S-11 BULB. 1³/₈ IN. DIAMETER ²					
24-1	1709	Searchlight.	5	2.0A	12 ²
-2	1725	Aircraft. Burn base down to horizontal	5.5	6.2A	50
-3	1759	Instrument, Colorimeter ⁷	6.1	4.1A	32 ²
-4	1763	Instrument, Colorimeter ⁷	6.1	4.1A	32 ²
-5	1723	Indicator, Base down to horizontal	6.2	4.5A	32 ²
-6	1724	Indicator, Base down to horizontal	6.2	4.5A	32 ²
-7	1561	Instrument, Colorimeter ⁷	6.3	4.0A	24 ²
-8	1731	Instrument, Silver Contact, Burn Base Down to horizontal	6.3	6.6A	47 ²
-9	1726	Aircraft, Gunsight (Bulb reflectorized)	12.5	3.0A	—
-10	1726X	Aircraft. Gunsight (Bulb reflectorized)	12.5	3.0A	—
-11	309	Aircraft.	28	.9A	32
-12	309 IF	Aircraft, Inside frosted	28	.9A	32
-13	310	Aircraft.	28	.9A	32
-14	309SB	Aircraft, Reflectorized bowl	28	.9A	—
-15	311	Aircraft.	28	1.29A	50
-16	312	Aircraft.	28	1.29A	50
-17	311R	Aircraft, Outside coated red (Silicate)	28	1.29A	—
-18	3011	Aircraft.	28	1.29A	44 ²
T-3 BULB ³/₈ IN. DIAMETER ²					
-19	1973	Medical. Quartz bulb ¹¹	6	2A/12W	—
-20	1974	Instrument. Quartz bulb ¹¹	6	20W	—
-21	1977	Special Service. Quartz Bulb	8.5	7.3A/62W	80 ²
-22	1962	Special Service, Quartz bulb ¹¹	8.5	7.3A	80 ²
-23	1962X	Special Service, Quartz bulb ¹¹ , insulated leads	8.5	7.3A	80 ²
-24	1971	Special Service, Quartz bulb—Round top: Side exh. ¹¹	8.5	7.3A	80 ²
-25	1978	Aircraft. Quartz bulb ¹¹	10	10A/100W	—
-26	1975	Aircraft. Gunsight Quartz bulb ¹¹	12.8	1.95A/25W	25 ²
-27	1976	Aircraft. Quartz bulb ¹¹	13.0	75W	—
-28	1979	Aircraft. Quartz bulb ¹¹	13.0	5.77A/75W	90
-29	1474	Indicator	14.0	.17A	1.7 ²
-30	1476	Indicator	18.0	.17A	2.2 ²
-31	1477	Indicator	24.0	.17A	3.3 ²
-32	1968	Aircraft, Gunsight. Quartz bulb ¹¹	28.0	.89/25W	15 ²
-33	1967	Aircraft. Quartz bulb ¹¹	28.0	5.36/150W	210 ²
-34	1964	Aircraft. Quartz bulb ¹¹	28.0	5.36/150W	230 ²
-35	1970	Aircraft. Quartz bulb ¹¹	28.0	3.57/100W	—
T-3¹/₄ BULB 1³/₃₂ IN. DIAMETER ²					
-36	48	Radio	2	.06A	.04 ²
-37	49	Radio	2	.06A	.04 ²
-38	1809	Radio	2	.06A	.02 ²
-39	1436	Indicator	2.5	.30A	.30 ²
-40	41	Radio, Indicator	2.5	.50A	.50 ²
-41	43	Indicator	2.5	.50A	.50 ²
-42	1435	Indicator	2.7	.15A	.25 ²

² Approximate. ⁷ Entire bulb selected for minimum glass imperfections.
¹¹ Use only where seal temperature does not exceed 650°F.

PHYSICAL SPECIFICATIONS

LAMPS SHOWN ACTUAL SIZE

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
S. C. Bayonet	C	C-8Z	1 $\frac{1}{4}$	2 $\frac{3}{8}$	50	49	24-1
S. C. Bayonet	C	C-2V	1 $\frac{1}{4}$	2 $\frac{3}{8}$	100	49	-2
S. C. Pf. (B)	C	C-8Z	$\frac{7}{8}$	2 $\frac{3}{8}$	125	50	-3
S. C. Pf. (B)	C	C-6	$\frac{7}{8}$	2 $\frac{3}{8}$	125	50	-4
S. C. Bayonet	C	C-6	1 $\frac{1}{4}$	2 $\frac{3}{8}$	400	49	-5
D. C. Bayonet	C	C-6	1 $\frac{1}{4}$	2 $\frac{3}{8}$	400	48	-6
S. C. Pf. (B)	C	C-8Z	$\frac{7}{8}$	2 $\frac{3}{8}$	1500	50	-7
S. C. Pf. (B)	C	C-6	$\frac{7}{8}$	2 $\frac{3}{8}$	1000	50	-8
D. C. Bayonet	C	3C-6	1 $\frac{9}{32}$	2 $\frac{3}{8}$	300	48	-9
D. C. Bayonet	C	3C-6	1 $\frac{9}{32}$	2 $\frac{3}{8}$	300	48	-10
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2 $\frac{3}{8}$	300	49	-11
S. C. Bayonet	C	C-2V ¹³	—	2 $\frac{3}{8}$	300	49	-12
D. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2 $\frac{3}{8}$	300	48	-13
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2 $\frac{3}{8}$	300	49	-14
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2 $\frac{3}{8}$	300	49	-15
D. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2 $\frac{3}{8}$	300	48	-16
S. C. Bayonet	C	C-2V ¹³	—	2 $\frac{3}{8}$	300	49	-17
S. C. Bayonet	C	C-2V ¹³	1 $\frac{1}{4}$	2 $\frac{3}{8}$	1000	49	-18
Wire Pin	C	C-6	1 $\frac{1}{16}$	1.350	100	54a	-19
Wire Terminal	C	C-6	.285	1.136	10000+	51	-20
Double Slide	C	C-6	$\frac{7}{16}$	1.172	50	54	-21
Wire Terminal	C	C-6	.285	1.136	50	51	-22
Wire Terminal	C	C-6	.285	1.136	50	51	-23
Wire Terminal	C	C-6	.285	1.136	50	51	-24
Special Sleeve	C	C-8	—	2 $\frac{1}{4}$	2000	53	-25
Double Slide	C	C-6	$\frac{1}{2}$	1.172	500	54	-26
Double Slide	C	C-6	.560	1.300	400	54	-27
Special Sleeve	C	C-8 ¹³	—	2 $\frac{1}{4}$	300	53	-28
Miniature Screw	B	C-2V ¹³	$\frac{13}{16}$	1 $\frac{1}{4}$	250	52	-29
Miniature Screw	B	C-2V ¹³	$\frac{13}{16}$	1 $\frac{1}{4}$	250	52	-30
Miniature Screw	B	C-2V ¹³	$\frac{13}{16}$	1 $\frac{1}{4}$	250	52	-31
Double Slide	C	C-2V ¹³	$\frac{13}{32}$	1.172	500	54	-32
Special Sleeve	C	CC-8 ¹³	—	2 $\frac{1}{4}$	1000	53	-33
Special Sleeve	C	CC-8	—	2 $\frac{1}{4}$	1000	53	-34
Special Sleeve	C	CC-8	—	2 $\frac{1}{4}$	1000	53	-35
Miniature Screw	B	S-2	—	1 $\frac{3}{16}$	1000	55	-36
Miniature Bayonet	B	S-2	—	1 $\frac{3}{16}$	1000	56	-37
Miniature Bayonet	B	C-6	$\frac{3}{4}$	1 $\frac{3}{16}$	1000	56	-38
Miniature Bayonet	B	C-2R	$\frac{5}{8}$	1 $\frac{3}{16}$	1000	56	-39
Miniature Screw	B	C-2R	$\frac{31}{32}$	1 $\frac{3}{16}$	3000	55	-40
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	1 $\frac{3}{16}$	3000	56	-41
Miniature Bayonet	B	C-2R	$\frac{5}{8}$	1 $\frac{3}{16}$	45	56	-42

¹³ Supported.

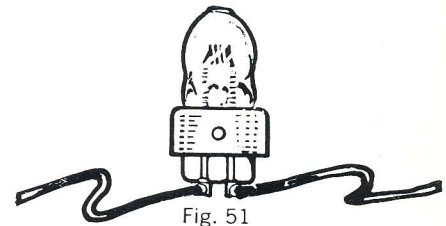


Fig. 51



Fig. 52



Fig. 53



Fig. 54



Fig. 54a



Fig. 55

ELECTRICAL SPECIFICATIONS

(T-3¹/₄ BULB CONT.)

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
26-1	1490	Radio	3.2	.16A	.20 ²
-2	42	Radio	3.2	.35A	.50 ²
-3	45	Radio	3.2	.35A	.50 ²
-4	1867	Signal	4	.06A	.06 ²
-5	2067D	Radio-TV. Leads —down position	4	.06A	.06 ²
-6	1804	Indicator	4	.06A	.07 ²
-7	1906	Signal	5	.07A	.19 ²
-8	1850	Signal	5	.09A	.25 ²
-9	1850X	Photocell Driver. A-A. $\pm .050''$	5	.09A	.25 ²
-10	1806	Signal, 4F cells	5.1	.15A	.50 ²
-11	316	Aircraft	6	.70A	3.4 ²
-12	1949	Buoy Marker	6	.125A	.43 ²
-13	1302	Radio	6.3	.035-.050A	.08 ²
-14	2189D	Indicator. Approx. $\frac{5}{8}''$ leads—down position	6.3	.035-.050A	.08 ²
-15	755	Indicator	6.3	.15A	.33 ²
-16	2157D	Indicator. Approx. $\frac{5}{8}''$ leads—down position	6.3	.15A	.33 ²
-17	159	Radio, TV, Indicator	6.3	.15A	.34 ²
-18	242	Radio, TV, Indicator	6.3	.15A	.38 ²
-19	1847	Radio, TV, Indicator	6.3	.15A	.38 ²
-20	1847AF	Radio, TV, Indicator. All frosted (Spray Method)	6.3	.15A	—
-21	40	Radio, Indicator	6.3	.15A	.52 ²
-22	47	Radio, TV, Indicator	6.3	.15A	.52 ²
-23	47R	Radio, TV, Indicator. Outside coated red	6.3	.15A	—
-24	1830	Radio. Outside black coated bulb end	6.3	.15A	—
-25	1866	Radio	6.3	.25A	.65 ²
-26	259	Radio, TV, Indicator	6.3	.25A	.65 ²
-27	44	Indicator, Radio, TV	6.3	.25A	.90 ²
-28	46	Radio, Indicator, TV	6.3	.25A	.90 ²
-29	1900	Radio, TV, Indicator. White coated bulb top	6.3	.32A	.80 ²
-30	39	TV ^{42 43}	6.3	.36A	.67 ²
-31	239	Radio ^{42 44}	6.3	.36A	.67 ²
-32	240	Radio, TV. L.C.L. from top of fil. $\frac{5}{8}'' \pm .040''$. A.A. $\pm \frac{3}{32}''$ ⁴⁴	6.3	.36A	.67 ²
-33	1810	Special Service	6.3	.40A	1.5 ²
-34	238	Indicator ⁴²	6.3	.50A	2
-35	147	Auto Indicator.	7.0	.43A	2
-36	1788U	Auto. Approx. $\frac{5}{8}''$ leads ⁴⁵	7.0	.50A	2
-37	1888	Auto	7.0	.50A	2
-38	947	Signal	9.84	.50A	4.6 ²
-39	1408	Signal	10	.13A	.85 ²
-40	1849X	Special Service, Color printer. Intermittent burning ^{14 41}	12	1.0A	22 ²
-41	1816	Aircraft and Auto	13	.33A	3 ²
-42	756	Indicator	14	.08A	.31 ²
-43	756R	Indicator, Outside coated red ^{14 41}	14	.08A	—
-44	2159D	Indicator. Approx. $\frac{5}{8}''$ leads—down position	14	.08A	.31 ²

² Approximate. ¹⁴ Excessive wattage for bulb.

⁴¹ Consult nearest Sales Office for application information.

⁴² Tolerance for light center length $\pm \frac{1}{32}''$ and axial alignment $\pm .050''$.

⁴³ Plane of filament within 30° of base pins.

⁴⁴ Plane of filament within 30° of perpendicular to base pins.

⁴⁵ Overall length of glass parts $1.013'' \pm .040''$.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	$1\frac{3}{16}$	3000	56	26-1
Miniature Screw	B	C-2R	$\frac{31}{32}$	$1\frac{3}{16}$	3000	55	-2
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	$1\frac{3}{16}$	3000	56	-3
Miniature Bayonet	B	C-6	$\frac{3}{4}$	$1\frac{3}{16}$	2000	56	-4
Wire Terminal	B	C-6	—	1.053	2000	57	-5
Miniature Bayonet	B	S-2	—	$1\frac{3}{16}$	1000	56	-6
Miniature Bayonet	B	C-6	$\frac{5}{8}$	$1\frac{3}{16}$	1000	56	-7
Miniature Bayonet	B	C-2R	$\frac{5}{8}$	$1\frac{3}{16}$	1500	56	-8
Miniature Bayonet	B	C-2R	$\frac{5}{8}$	$1\frac{3}{16}$	1500	56	-9
Miniature Bayonet	B	C-2R	$\frac{1}{2}$	$1\frac{3}{16}$	100	56	-10
Miniature Bayonet	C	C-2R	$\frac{5}{8}$	$1\frac{3}{16}$	500	56	-11
Miniature Bayonet	B	C-2R	$\frac{3}{8}$	$1\frac{3}{16}$	1500	56	9a-12
Miniature Bayonet	B	C-6	$\frac{3}{4}$	$1\frac{3}{16}$	5000	56	-13
Wire Terminal	B	C-6	—	1.053	5000	57	-14
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	$1\frac{3}{16}$	20000 ⁴³	56	-15
Wire Terminal	B	C-2R	—	1.053	20000 ⁴³	57	-16
Wedge	B	C-2R	$\frac{1}{2}$	$1\frac{1}{16}$	5000+ ⁴⁴	58	-17
Miniature Bayonet	B	C-2R	$\frac{5}{8}$	$1\frac{3}{16}$	5000+ ⁴⁴	56	-18
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	$1\frac{3}{16}$	5000+ ⁴⁴	56	-19
Miniature Bayonet	B	C-2R	—	$1\frac{3}{16}$	5000+ ⁴⁴	56	-20
Miniature Screw	B	C-2R	$\frac{31}{32}$	$1\frac{3}{16}$	3000	55	-21
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	$1\frac{3}{16}$	3000	56	-22
Miniature Bayonet	B	C-2R	—	$1\frac{3}{16}$	3000	56	-23
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	$1\frac{3}{16}$	3000	56	-24
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	$1\frac{3}{16}$	5000+ ⁴⁴	56	-25
Wedge	B	C-2R	$\frac{11}{16}$	$1\frac{1}{16}$	5000+ ⁴⁴	58	-26
Miniature Bayonet	B	C-2R	$\frac{25}{32}$	$1\frac{3}{16}$	3000	56	-27
Miniature Screw	B	C-2R	$\frac{31}{32}$	$1\frac{3}{16}$	3000	55	-28
Miniature Bayonet	B	C-2R	$\frac{5}{8}$	$1\frac{3}{16}$	5000+ ⁴⁴	56	-29
Miniature Bayonet	C	C-2R	.600	$1\frac{3}{16}$	5000+ ⁴⁴	56	-30
Miniature Bayonet	C	C-2R	.600	$1\frac{3}{16}$	5000+ ⁴⁴	56	-31
Miniature Bayonet	C	C-2R	—	$1\frac{3}{16}$	5000+ ⁴⁴	56	-32
Miniature Bayonet	B	C-2R	$\frac{23}{32}$	$1\frac{1}{8}$	3000	56	-33
Miniature Bayonet	C	C-2R	$\frac{23}{32}$	$1\frac{3}{16}$	2000	56	-34
Wedge	B	C-2R	.562	$1\frac{1}{16}$	1500	58	-35
Wire Terminal	B	C-2R	—	—	3000	57	-36
Miniature Bayonet	B	C-2R	$\frac{9}{16}$	$1\frac{3}{16}$	3000	56	-37
Miniature Bayonet	C	C-2R	$\frac{1}{2}$	$1\frac{3}{16}$	200	56	-38
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{3}{16}$	250	56	-39
Miniature Bayonet	C	C-2R	$\frac{5}{8}$	$1\frac{3}{16}$	4	56	-40
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{3}{16}$	1000	56	-41
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	15000 ⁴³	56	-42
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	15000 ⁴³	56	-43
Wire Terminal	B	C-2F	—	1.053	15000 ⁴³	57	-44

LAMPS SHOWN ACTUAL SIZE



Fig. 56

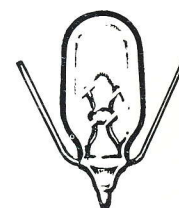


Fig. 57



Fig. 58

¹³ Supported. ⁴³ Design life is 50,000 hours. ⁴⁴At 6.6 volts.

(T-3¼ BULB CONT.)

ELECTRICAL
SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
28-1	1488	Indicator	14	.15A	1.5 ²
-2	161	Auto, Instrument, Indicator. Heavy duty	14	.19A	1
-3	1487	Coin Machine	14	.20A	1.4 ²
-4	1887U	Instrument, Photocell. Approx. 5/8" leads	14	.20A	1.4 ²
-5	1815	Indicator	14	.20A	1.4 ²
-6	1891	Auto, Radio, Indicator	14	.24A	2 ²
-7	158	Auto, Instrument, Indicator	14	.24A	2
-8	2173U	Auto. Approx. 5/8" leads ⁴⁵	14	.27A	1.5
-9	2173D	Auto. Approx. 5/8" leads down position ⁴⁵	14	.27A	1.5
-10	256	Auto, Indicator, flasher lamps.	14	.27A	1.6 ²
-11	194	Auto, Instrument. Indicator. Heavy duty	14	.27A	2
-12	194A	Sidemarkers Amber silicone coating. Heavy duty	14	.27A	—
-13	1789D	Auto. Approx. 5/8" leads down position ⁴⁵	14	.27A	2
-14	1889	Auto. Heavy duty	14	.27A	2
-15	1893	Auto, Radio. Heavy duty	14	.33A	2 ²
-16	1898	Auto, Radio	14	.33A	2
-17	168	Auto, Instrument	14	.35A	3
-18	2286U	Auto. Approx. 5/8" leads ⁴⁵	14	.35A	3
-19	1813	Radio	14.4	.10A	.86 ²
-20	1909	Indicator	14.4	.10A	.86 ²
-21	1892	Auto, Radio	14.4	.12A	.75 ²
-22	2193D	Indicator. Approx. 5/8" leads—down position	14.4	.12A	.75 ²
-23	1881	Auto, Radio	15.5	.24A	{1.5 ^{2 4} 2.2 ^{2 36}
-24	1826	Coin Machine	18	.15A	1.8 ²
-25	1437	Aircraft, Emergency	24	.06A	.9 ²
-26	1818	Aircraft	24	.17A	3.3 ²
-27	1843	Indicator ^{15 41}	28	.022A	.20 ²
-28	1819	Indicator	28	.04A	.34 ²
-29	1819X	Indicator ⁴⁶	28	.04A	.34 ²
-30	1829	Indicator	28	.07A	1.0 ²
-31	1829X	Indicator ⁴⁶	28	.07A	1.0 ²
-32	1826A	Indicator, Outside coated amber-orange (Special)	28	.07A	—
-33	1862R	Indicator, Outside coated red (Special)	28	.07A	—
-34	1862G	Indicator, Outside transparent coated green (Special)	28	.07A	—
-35	1862Y	Indicator, Outside coated yellow (Silicate) (Special)	28	.07A	—
-36	757	Indicator	28	.08A	.62 ²
-37	2188U	Special Service. Approx. 5/8" leads	28	.08A	.62 ²
-38	1820X	Indicator ⁴⁶	28	.10A	1.6 ²
-39	1820	Indicator	28	.10A	1.6 ²
-40	1821	Indicator	28	.17A	3.5 ²
-41	313	Aircraft	28	.17A	3.5 ²
-42	313AF	Aircraft. Outside frosted (Spray method) ^{14 41}	28	.17A	—
-43	313-OF	Indicator. Outside frosted (Silicate)	28	.17A	—
-44	313R	Aircraft, Outside coated red. (Silicate)	28	.17A	—
-45	313G	Aircraft, Outside coated green. (Silicate)	28	.17A	—
-46	313NR	Aircraft, Natural ruby	28	.17A	—
-47	1864	Aircraft	28	.17A	3.0 ²
-48	1864NR	Aircraft, Natural ruby	28	.17A	—
-49	1864AF	Aircraft, All frosted (Spray method)	28	.17A	—
-50	1822	Indicator	36	.10A	2.5 ²
-51	1828	Indicator	37.5	.05A	.65 ²
-52	1832	Indicator	37.5	.05A	.65 ²
-53	1823	Indicator	48	.10A	3.3 ²
-54	1835	Indicator	55	.05A	1.1 ²

² Approximate. ⁴ At 14 volts. ¹⁴ Excessive wattage for bulb.¹⁵ Limited mechanical strength. ³⁶ At 15.5 volts.⁴¹ Consult nearest Sales Office for application information.⁴⁵ Overall length of glass parts 1.013" ±.040.⁴⁶ Tolerance for light center length measured to top of filament ±.040".⁵⁷ Axial alignment ±.050" to base axis.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{3}{16}$	200	56	28-1
Wedge	B	C-2F	.562	$1\frac{1}{16}$	4000	58	-2
Miniature Screw	B	C-2V ¹³	$\frac{15}{16}$	$1\frac{3}{16}$	3000	55	-3
Wire Terminal	B	C-2V ¹³	—	1.053	3000	57	-4
Miniature Bayonet	B	C-2V ¹³	$\frac{3}{4}$	$1\frac{3}{16}$	3000	56	-5
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	500	56	-6
Wedge	B	C-2V ¹³	.562	$1\frac{1}{16}$	500	58	-7
Wire Terminal	B	C-2F	—	1.053	5000	57	-8
Wire Terminal	B	C-2F	—	1.053	5000	57	-9
Miniature Bayonet	C	C-2R	$\frac{5}{8}$	$1\frac{3}{16}$	500 ³	56	-10
Wedge	B	C-2F	.562	$1\frac{1}{16}$	2500	58	-11
Wedge	B	C-2F	—	$1\frac{1}{16}$	2500	58	-12
Wire Terminal	B	C-2F	—	—	2000	57	-13
Miniature Bayonet	B	C-2F	$\frac{9}{16}$	$1\frac{3}{16}$	2000	56	-14
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	7500	56	-15
Miniature Bayonet	B	2C-2R	$\frac{5}{8}$	$1\frac{3}{16}$	7500	56	-16
Wedge	B	C-2F	.562	$1\frac{1}{16}$	1500	58	-17
Wire Terminal	B	C-2F	—	1.053	1500	57	-18
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{3}{16}$	1000	56	-19
Miniature Bayonet	B	C-2V ¹³	$\frac{3}{4}$	$1\frac{3}{16}$	1000	56	-20
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	1000	56	-21
Wire Terminal	B	C-2F	—	1.053	1000	57	-22
Miniature Bayonet	B	C2F	$\frac{5}{8}$	$1\frac{3}{16}$	500	56	-23
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{3}{16}$	250	56	-24
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	20 ⁴⁰	56	-25
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{3}{16}$	250	56	-26
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	3000	56	-27
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	1000	56	-28
Miniature Bayonet	B	C-2F	.766	$1\frac{3}{16}$	1000	56	-29
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	1000	56	-30
Miniature Bayonet	B	C-2F	.766	$1\frac{3}{16}$	1000	56	-31
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	1000	56	-32
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	1000	56	-33
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	1000	56	-34
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	1000	56	-35
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	7500 ⁴³	56	-36
Wire Terminal	B	C-2F	—	1.053	7500 ⁴³	57	-37
Miniature Bayonet	B	C-2F	.766	$1\frac{3}{16}$	1000	56	-38
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	1000	56	-39
Miniature Screw	B	C-2F	$\frac{13}{16}$	$1\frac{3}{16}$	500	55	-40
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	500	56	-41
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	500	56	-42
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	500	56	-43
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	500	56	-44
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	500	56	-45
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	500	56	-46
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	1500	56	-47
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	1500	56	-48
Miniature Bayonet	B	C-2F	—	$1\frac{3}{16}$	1500	56	-49
Miniature Bayonet	B	C-2V ¹³	$\frac{5}{8}$	$1\frac{3}{16}$	1000	56	-50
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	3000	56	-51
Miniature Screw	B	C-2F	$\frac{13}{16}$	$1\frac{3}{16}$	3000	55	-52
Miniature Screw	B	C-2V ¹³	$\frac{13}{16}$	$1\frac{3}{16}$	1000	55	-53
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{16}$	5000	56	-54

³ Average useful life. ¹³ Supported. ⁴⁰ At 28 volts.
⁴³ Design life is 50,000 hours.

LAMPS SHOWN ACTUAL SIZE

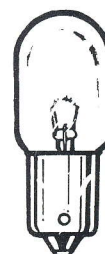


Fig. 59

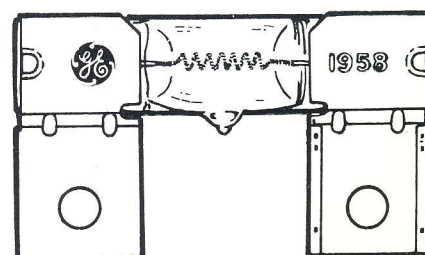


Fig. 60



Fig. 61

ELECTRICAL SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
T-4 BULB 1/2 IN. DIAMETER ²					
30-1	1960	Instrument, Oscillograph. Quartz bulb ¹¹	11	60W	90 ²
-2	1963	Aircraft. Quartz bulb ¹¹	13	75W	90 ²
-3	1966	Aircraft. Quartz bulb ¹¹	13	100W	125 ²
-4	1479	Indicator	14	.17A	1.7 ²
-5	1480	Indicator	18	.17A	2.2 ²
-6	1841	Indicator	24	.17A	3.3 ²
-7	1958	Aircraft (Quartz bulb) ¹¹	28	150W	250 ²
-8	1959	Aircraft (Quartz bulb) filament supported ¹¹	28	150W	240 ²
-9	Q1240	Special Service (Quartz bulb) ¹¹	32	3.5A/112W	200
T-4 1/2 BULB 9/16 IN. DIAMETER ²					
-10	1467	Aircraft	6.0	1.03A	6
-11	1855	Radio and TV	6.3	.80A	3.6 ²
-12	1886	Indicator	6.3	.90A	4.2 ²
-13	872	Instrument, Photoelectric Scanner. Burn B. U. to horiz.	8.0	.90A	9.0 ²
-14	957	Signal	9.84	.50A	4.6 ²
-15	965	Hand Lantern—8D or 8F cells.	9.84	.50A	6 ²
-16	211-1	Auto Interior	12.8	.97A	12
-17	551	Auto Interior	12.8	.97A	12
-18	212-1	Auto Interior	13.5	.74A	6
-19	550	Auto Interior	13.5	.74A	6
-20	1414	Aircraft	14	.46A	6
-21	1495	Aircraft ⁴¹	28	.30A	6
-22	1495R	Aircraft. Outside coated red (Silicate) ⁴¹	28	.30A	—
T-5 BULB 5/8 IN. DIAMETER ²					
-23	1876	Special Service, Photoelectric scanner. Silver contact. A.A. tol. 1/64"	3.5	2.50A	6.5 ²
-24	1876X	Special Service. Photoelectric scanner. Silver contact. A.A. tol. 1/32"	3.5	2.50A	6.5 ²
-25	1434	Instrument, Photocell exciter, Silver contact ⁸	3.7	2.75A	11 ²
-26	1874	Instrument ⁸	3.7	2.75A	11 ²
-27	1875	Instrument, Oscillograph. Filament offset 3/32" from base axis	5.0	4.00A	28 ²
-28	1410	Aircraft, Navigation	6.3	1.02A	5.3
-29	1884	Instrument. Axial alignment tolerance 1/64" ⁸	6.5	1.54A	12.5 ²
-30	1462	Special Service, Photoelectric scanner. Silver contact. A.A. tol. 1/64"	6.5	2.75A	25 ²
-31	1489	Instrument. Axial alignment tolerance 1/64"	6.5	2.75A	25 ²
-32	1489X	Instrument. Axial alignment tolerance 3/64"	6.5	2.75A	25 ²
T-7 BULB 7/8 IN. DIAMETER ²					
-33	1940	Aircraft, Marker ^{14 41}	14	3.57A/50W	—
-34	1944	Special Service. Silver contact ^{14 41}	14	3.57A	—
-35	1939	Aircraft, Marker ^{14 44}	28	1.79A	75 ²
-36	1939X	Aircraft, Marker ^{14 41}	28	1.79A/50W	—

² Approximate. ⁸ Bulb top selected for minimum glass imperfections.
¹¹ For use only where seal temp. does not exceed 650°F.

⁴¹ Consult nearest Sales Office for application information.
¹⁴ Excessive wattage for bulb.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
Tab	C	CC-8	$\frac{3}{4}$	$2\frac{1}{4}$	1000	60	30-1
Tab	C	C-8 ¹³	$\frac{3}{4}$	$2\frac{1}{4}$	300	60	-2
Tab	C	C-8 ¹³	$\frac{3}{4}$	$2\frac{1}{4}$	300	60	-3
Candelabra Screw	B	C-2V ¹³	$\frac{15}{16}$	$1\frac{1}{2}$	250	61	-4
Candelabra Screw	B	C-2V ¹³	$\frac{15}{16}$	$1\frac{1}{2}$	250	61	-5
Candelabra Screw	B	C-2V ¹³	$\frac{15}{16}$	$1\frac{1}{2}$	250	61	-6
Tab	C	CC-8	$\frac{3}{4}$	$2\frac{1}{4}$	300	60	-7
Tab	C	CC-8	$\frac{3}{4}$	$2\frac{1}{4}$	300	60	-8
D. C. Pf. (A)	C	CC-6	$1\frac{1}{8}$	$2\frac{3}{8}$	150	68	-9
Miniature Bayonet	C	C-2R	$\frac{5}{8}$	$1\frac{3}{8}$	1000	62	-10
Miniature Bayonet	C	C-2R	$\frac{23}{32}$	$1\frac{3}{8}$	3000	62	-11
Miniature Bayonet	C	C-2R	$\frac{3}{4}$	$1\frac{3}{8}$	3000	62	-12
Miniature Bayonet	C	C-6	—	$1\frac{3}{8}$	50	62	-13
Miniature Bayonet	C	C-2R	$\frac{1}{2}$	$1\frac{3}{8}$	200	62	-14
Miniature Screw	C	C-2R	$\frac{23}{32}$	$1\frac{3}{8}$	15	63	-15
Miniature Cap	C	C-8	—	$1\frac{3}{4}$	1000	64	-16
All Glass Double Ended	C	C-8	—	$1\frac{11}{16}$	1000	65	-17
Miniature Cap	C	C-8	—	$1\frac{3}{4}$	5000	64	-18
All Glass Double Ended	C	C-8	—	$1\frac{11}{16}$	5000	65	-19
Miniature Bayonet	C	C-2R	$\frac{5}{8}$	$1\frac{3}{8}$	500	62	-20
Miniature Bayonet	B	C-2F	$\frac{5}{8}$	$1\frac{3}{8}$	500	62	-21
Miniature Bayonet	B	C-2F	—	$1\frac{3}{8}$	500	62	-22
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	2000	67	-23
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	2000	67	-24
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	100	67	-25
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	100	67	-26
S. C. Bayonet	C	C-8 I	$1\frac{1}{4}$	$2\frac{3}{8}$	100	67	-27
S. C. Bayonet	C	C-12	1.0	1.620	500	67	-28
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	125	67	-29
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	125	67	-30
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	125	67	-31
S. C. Bayonet	C	C-6	$1\frac{1}{8}$	$1\frac{3}{4}$	125	67	-32
S. C. Bayonet	C	C-8Z	$1\frac{1}{4}$	$2\frac{1}{4}$	300	69	-33
S. C. Bayonet	C	C-8Z	$1\frac{1}{4}$	$2\frac{1}{4}$	300	69	-34
S. C. Bayonet	C	CC-8	$1\frac{1}{4}$	$2\frac{1}{4}$	300	69	-35
S. C. Bayonet	C	C-2V ¹³	$1\frac{1}{4}$	$2\frac{1}{4}$	300	69	-36

¹³ Supported.



Fig. 62
(ACTUAL SIZE)

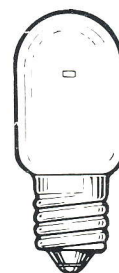


Fig. 63
(ACTUAL SIZE)

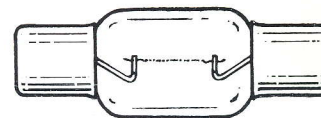


Fig. 64
(ACTUAL SIZE)

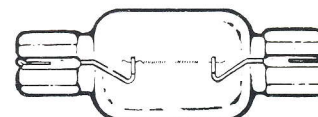


Fig. 65
(ACTUAL SIZE)



Fig. 67
($\frac{1}{2}$ SIZE)

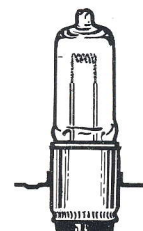


Fig. 68
($\frac{1}{2}$ SIZE)

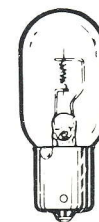


Fig. 69
($\frac{1}{2}$ SIZE)

ELECTRICAL SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Design Volts	Design Amps or Watts	Candle Power
T-8 BULB 1 IN. DIAMETER ²					
32-1	1924	Instrument, Oscillograph ^{47 48 50}	4	2.50A	8 ²
-2	1926	Instrument, Oscillograph ^{47 51}	11	1.00A	13 ²
-3	1921	Instrument, Oscillograph ^{49 51 54}	{11 11	1.00A 1.00A	—
-4	1933	Medical, Electrocardiograph ⁵⁴	14	2.00A	45 ²
-5	1936	Instrument, Burning position—any ⁵⁵	22	1.00A	28 ²
-6	ML20/R-28	Aircraft, Lumiline, Red	28	20W	—
-7	ML20/IF-28	Aircraft, Lumiline, Inside Frosted	28	20W	—
T-8½ BULB 1½ IN. DIAMETER ²					
-8	1925	Instrument, Oscillograph. Silver contacts. Filament offset 1/8" ^{47 48}	10	3.50A	38 ²
TL-2¾ BULB 1½ IN. DIAMETER ²					
-9	114	Flashlight—1 AAA cell	1.2	.20A	—
-10	224	Flashlight—2 AAA cells	2.15	.22A	—
TL-3 BULB ¾ IN. DIAMETER ²					
-11	112	Flashlight—1 AA, C, or D cell	1.2	.22A	—
-12	222	Flashlight—2 AA cells	2.25	.25A	—
-13	222X	Flashlight—2 AA cells	2.25	.25A	—
-14	2121D	Indicator. Approx. 5/8" leads—down position	2.25	.25A	—
-15	243	Flashlight—2 C cells	2.33	.27A	—
-16	246	Flashlight—3 D cells	3.8	.22A	—

²Approximate ⁴⁷Side inside frosted.

⁴⁸Spring supported filament.

⁴⁹Half inside-frosted bulb entirely coated black except with window .6" high x .75" wide.

⁵⁰Fil. approx. .60" long x .004" dia. ⁵¹Fil. coil approx. .32"

long x .010" dia. ⁵⁴Burning position—base down.

⁵⁵Fil. coil approx. .63" long x .010" dia.

PHYSICAL SPECIFICATIONS

Base	B Vacuum C Gas Filled	Filament Designa- tion	Light Center Length (Inches)	Max. Overall Length (Inches)	Rated Average Life (Hours)	Fig. No.	Line No.
D. C. Pf. (A)	C	S-6	1½	3⅛	100	71	32-1
D. C. Pf. (A)	C	C-6	1½	3⅛	200	71	-2
D. C. Pf. (A)	C	C-6	1½	3⅛	200	71	-3
S. C. Pf. (A)	C	CC-8 1	1⅛	3⅛	50	71	-4
D. C. Pf. (A)	C	C-6	1½	3⅛	200	71	-5
Disk	B	2C-8	—	5¾ ¹²	500	72	-6
Disk	B	2C-8	—	5¾ ¹²	500	72	-7
D. C. Pf. (A)	C	S-8	2⅝ ₁₆	4⅛	500	73	-8
Special	B	S-2	—	7/8	5	75	-9
Special	B	C-6	—	7/8	5	75	-10
Miniature Screw	B	S-2	—	59/64	5	76	-11
Miniature Screw	B	C-6	—	59/64	5	76	-12
Miniature Screw	B	C-6	—	59/64	5	76	-13
Wire Terminal	B	C-6	—	13/16	5	—	-14
Miniature Screw	B	C-6	—	59/64	10	76	-15
Miniature Screw	B	C-6	—	59/64	20	76	-16

¹² Average overall length.



Fig. 71
(½ SIZE)



Fig. 72
(½ SIZE)



Fig. 73
(½ SIZE)



Fig. 75
(ACTUAL SIZE)



Fig. 76
(ACTUAL SIZE)

FLASHER LAMPS



Fig. 77

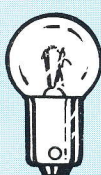


Fig. 78

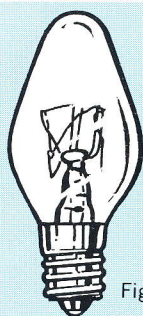


Fig. 79

General Electric Flasher-Filament lamps have a bi-metal strip added to the filament mount to provide the flashing. Heat from the filament causes this strip to bend away from the lead wire, breaking the circuit. As the bi-metal strip cools it returns to its original position against the lead wire and the lamp lights.

Flasher lamps are used in a variety of services as shown in the table below.

ELECTRICAL and PHYSICAL SPECIFICATIONS

Line No.	Lamp Number	Primary Application	Bulb	Design Volts	Design Amps or Watts	Candle Power	Base	Fila-ment Designation	Max. Overall Length (Inch)	Approx. Flashes per Minute	Avg. Useful Life Hours	Fig. No.	Line No.
34-1	401	Toy	G-4½	1.25	.22A	.09 ²	Min. Screw	S-2	1½/16	40-160	15 ³	77	34-1
-2	406	Toy	G-4½	2.6	.30A	.43 ²	Min. Screw	C-2R	1½/16	40-160	50 ³	77	-2
-3	407	Hand Lantern	G-4½	4.9	.30A	1.2 ²	Min. Screw	C-2R	1½/16	40-160	50 ³	77	-3
-4	408	Hand Lantern	G-4½	4.9	.30A	1.2 ²	Min. Bay.	C-2R	1½/16	40-160	50 ³	78	-4
-5	405	Signal	G-4½	6.5	.50A	1.9 ²	Min. Screw	C-2R	1½/16	40-160	500 ³	77	-5
-6	455	Indicator	G-4½	6.5	.50A	1.9 ²	Min. Bay.	C-2R	1½/16	40-160	500 ³	78	-6
-7	256	Auto Indicator	T-3¼	14.0	.27A	1.6 ²	Min. Bay.	C-2R	1¾/16	40-160	500 ³	—	-7
-8	257	Auto & Toy Train	G-4½	14.0	.27A	1.6 ²	Min. Bay.	C-2R	1¾/16	40-160	500 ³	78	-8
-9	258	Toy Train	G-4½	14.0	.27A	1.6 ²	Min. Screw	C-2R	1¾/16	40-160	500 ³	77	-9
-10	1426	Indicator	C-7½	120	7W	—	Cand. Screw	C-7A	2½/8	—	750 ³	79	-10
-11	1426B*	Indicator	C-7½	120	7W	—	Cand. Screw	C-7A	2½/8	—	750 ³	79	-11
-12	1426C*	Indicator	C-7½	120	7W	—	Cand. Screw	C-7A	2½/8	—	750 ³	79	-12
-13	1426R*	Indicator	C-7½	120	7W	—	Cand. Screw	C-7A	2½/8	—	750 ³	79	-13
-14	1426Y*	Indicator	C-7½	120	7W	—	Cand. Screw	C-7A	2½/8	—	750 ³	79	-14

² Approximate. ³ Average useful life. * Colored lamps are outside transparent coated blue, green, red or yellow.

DECORATIVE AND CHRISTMAS LAMPS



Fig. 80

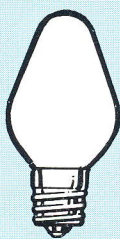


Fig. 81

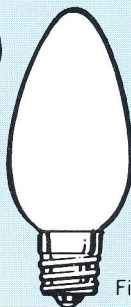


Fig. 82

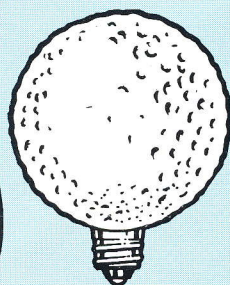


Fig. 83

General Electric offers a wide variety of Christmas lamps to designers, manufacturers, merchants, home decorators and craftsmen. Artistic color arrangement, tasteful, unique object lighting and exciting indirect effects are just some of the services these Christmas lamps make possible.

Christmas decoration, indoor and outdoor, traditional or modern, futuristic or conservative is enhanced by the newer lamp shapes and colors.

C6 lamps are designed for series burning, all others for multiple burning.

D26 and D27 twinkle lamps each contain built-in bi-metal flashers that create random twinkling for interesting animation.

ELECTRICAL and PHYSICAL SPECIFICATIONS

Line No.	Lamp No.	Primary Application	Bulb	Design Volts	Design Amps or Watts	Finish and Color Code	Base	Max. Overall Length (Inch)	Approx. Life Hours	Fig. No.	Line No.
34-14	C6	Indoor	C-6	15	.32A	Outside coated (A)	Min. Screw	2	200	80	-14
-15	C7½	Indoor	C-7½	120	7W	Translucent—Ceramic ctd. (A)	Cand. Screw	2½/8	600	81	-15
-16	C9½	Outdoor	C-9½	120	10W	Translucent—Ceramic ctd. (A)	Inter. Screw	3½/8	600	82	-16
-17	D15	Outdoor	C-9½	120	10W	Transparent—Bright (B)	Inter. Screw	3½/8	600	82	-17
-18	D26**	Indoor	C-7½	120	7W	Transparent—Bright (B)	Cand. Screw	2½/8	750	81	-18
-19	D27**	Outdoor	C-9½	120	7W	Transparent—Bright (B)	Inter. Screw	3½/8	750	82	-19
-20	D28	Outdoor	C-9½	130	10W	Transparent—Bright (B)	Inter. Screw	3½/8	3000***	82	-20
-21	D30	Indoor	G-14	120	7W	Lighted-Ice (C)	Cand. Screw	2¾/4	1000	83	-21
-22	D33	Indoor	C-7½	120	7W	Transparent—Bright (B)	Cand. Screw	2½/8	600	81	-22
-23	D36	Indoor	C-7½	120	7W	Satin Bright (D)	Cand. Screw	2½/8	600	81	-23
-24	D38	Either	C-7½	125	7W	Transparent—Bright (B)	Cand. Screw	2½/8	3000	81	-24
-25	D80*	Indoor	C-8	120	6W	Cool—Bright (B)	Cand. Screw	2¼/4	1000	81	-25

*Colored lamps are outside transparent coated blue, green, red, or gold. **Twinkle lamp. ***at 120 volts.

Color Code: A—Red, blue, green, white, orange.

B—Red, gold, blue, green, clear.

C—Turquoise, pearl, ruby, topaz, garnet, emerald.

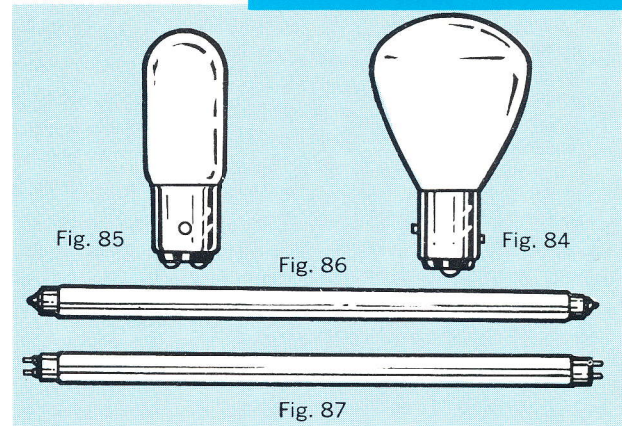
D—Red, gold, blue, green.

ELECTRIC DISCHARGE LAMPS—FLUORESCENT

General Electric has a line of miniature Blacklight and Fluorescent lamps for aircraft and other uses.

Lamps in the T-6 and RP-12 bulbs are black-light lamps for instrument lighting, designed primarily for direct current operation. They are provided with an indexing base for proper polarization in the circuit.

Lamps with T-5 bulbs are Rapid-Start fluorescent lamps that have specially designed, rugged cathodes for aircraft service.



ELECTRICAL and PHYSICAL SPECIFICATIONS

Line Number	Lamp Number	Primary Application	Design Volts	Watts (Nominal)	Base	Maximum Overall Length (Inches)	Figure Number	Line Number
RP-12 BULB 1½ IN. DIAMETER ²								
35-1	MF5000	Black Light	24-28V. d.c.	4	D. C. Index	2⅞	84	35-1
T-5 BULB ⅝ IN. DIAMETER ²								
-2	5004CW	Aircraft, Cool white	a.c.	4	Min. Pinless	6 Nom.	86	-2
-3	5004R	Aircraft, Red	a.c.	4	Min. Pinless	6 Nom.	86	-3
-4	5004WW	Aircraft, Warm white	a.c.	4	Min. Pinless	6 Nom.	86	-4
-5	5104WW	Aircraft, Warm white	a.c.	4	Min. Bi-Pin	6 Nom.	87	-5
-6	5106WW	Aircraft, Warm white	a.c.	6	Min. Bi-Pin	9 Nom.	87	-6
-7	5008CW	Aircraft, Cool white	a.c.	8	Min. Pinless	12 Nom.	86	-7
-8	5008R	Aircraft, Red	a.c.	8	Min. Pinless	12 Nom.	86	-8
-9	5008WW	Aircraft, Warm white	a.c.	8	Min. Pinless	12 Nom.	86	-9
-10	5108WW	Aircraft, Warm white	a.c.	8	Min. Bi-Pin	12 Nom.	87	-10
-11	5013CW	Aircraft, Cool white	a.c.	13	Min. Pinless	21 Nom.	86	-11
-12	5013R	Aircraft, Red	a.c.	13	Min. Pinless	21 Nom.	86	-12
-13	5013WW	Aircraft, Warm white	a.c.	13	Min. Pinless	21 Nom.	86	-13
-14	5113WW	Aircraft, Warm white	a.c.	13	Min. Bi-Pin	21 Nom.	87	-14
T-6 BULB ¾ IN. DIAMETER ²								
-15	MF2T6/BL	Black Light	24-28V. d.c.	2	D. C. Index	2⅞	85	-15

² Approximate

TABLE OF APPLICATIONS

AIRCRAFT

Lamp Number	Line No.	Lamp Number	Line No.
ML20/1F-28	32-7	1385X	16-6
ML20/R-28	32-6	1410	30-28
63	12-7	1414	30-20
64	12-8	1437	28-25
81	12-3	1467	30-10
301	10-43	1495	30-21
302	10-44	1495R	30-22
303	12-37	1503	16-14
303AF	12-39	1662	22-32
303R	12-40	1665	22-28
304	12-38	1665 IF	22-29
305	22-8	1665SB	22-30
305 IF	22-9	1666	22-22
306	22-10	1666 IF	22-23
307	22-15	1680	18-21
307 IF	22-16	1680 IF	18-23
307NR	22-19	1680X	18-22
307R	22-20	1682	22-36
307SB	22-21	1683	22-34
308	22-17	1691 IF	22-12
308 IF	22-18	1725	24-2
309	24-11	1726	24-9
309 IF	24-12	1726X	24-10
309SB	24-14	1777	20-40
310	24-13	1816	26-41
311	24-15	1818	28-26
311R	24-17	1819	28-28
312	24-16	1820	28-39
313	28-41	1843	28-27
313AF	28-42	1864	28-47
313G	28-45	1864AF	28-49
313NR	28-46	1864NR	28-48
313R	28-44	1939	30-35
315	22-31	1939X	30-36
316	26-11	1940	30-33
356	8-37	1958	30-7
356TR	8-38	1959	30-8
427	10-5	1963	30-2
480	10-47	1964	24-34
835	14-10	1966	30-3
836	14-12	1967	24-33
839	14-14	1968	24-32
841	14-16	1975	24-26
842	14-11	1976	24-27
844	14-13	1970	24-35
847	14-15	1978	24-25
1047	18-4	1979	24-28
1048X	18-5	2233	22-27
1309	6-26	3011	24-18
1315	10-40	5004CW	35-2
1317	6-18	5004R	35-3
1380	16-4	5004WW	35-4
1384	16-1	5008CW	35-7
1385	16-5	5008R	35-8

AIRCRAFT (Cont.)

Lamp Number	Line No.	Lamp Number	Line No.
5008WW	35-9	5104WW	35-5
5013CW	35-11	5106WW	35-6
5013R	35-12	5108WW	35-10
5013WW	35-13	5113WW	35-14

AUTOMOTIVE

Lamp Number	Line No.	Lamp Number	Line No.
PR16	6-17	623	14-1
19	8-25	623AF	14-2
53	8-29	631	12-27
53R	8-31	1003	6-23
53X	8-30	1004	6-24
55	10-17	1005	20-32
57	10-22	1016	20-34
57TR	10-21	1034	20-41
57X	10-23	1034A	20-42
63	12-7	1034NA	20-43
64	12-8	1044	18-2
67	12-20	1073	20-45
68	12-17	1076	20-46
81	12-3	1095	22-5
82	12-4	1129	20-1
82AF	12-5	1130	20-2
87	20-24	1133	16-22
88	20-25	1134	16-23
89	12-14	1141	20-37
90	12-15	1141 IF	20-38
93	20-29	1142	20-39
93 IF	20-30	1143	16-30
94	20-31	1144	16-31
97	12-21	1150	18-9
97A	12-22	1154	20-4
97NA	12-23	1155	12-18
105	6-25	1156	22-4
109	22-38	1157	20-48
110	22-39	1157A	20-49
158	28-7	1157NA	22-1
161	28-2	1158	20-5
168	28-17	1176	20-35
194	28-11	1178	12-24
194A	28-12	1178A	12-25
209	6-19	1183	16-10
210	6-20	1195	16-32
211-1	30-16	1196	16-33
212-1	30-18	1203	22-24
250	8-27	1204	22-25
256	28-10	1209	16-20
257	10-27	1247	12-26
	34-8	1251	12-33
257R	10-28	1251B	12-34
293	10-34	1251CB	12-35
456	10-39	1252	12-36
550	30-19	1293	16-34
551	30-17	1295	20-28

AUTOMOTIVE (Cont.)

Lamp Number	Line No.	Lamp Number	Line No.
1321	16-25	1893	28-15
1323	16-26	1895	10-30
1327	18-3	1895A	10-31
1383	16-2	1895G	10-32
1445	8-32	1895R	10-33
1501	16-13	1898	28-16
1503	16-14	2106	20-44
1507	18-1	2142	22-2
1683	22-34	2144	22-3
1691	22-11	2155	22-33
1788U	26-36	2173D	28-9
1789D	28-13	2173U	28-8
1881	28-23	2286U	28-18
1888	26-37	2330	16-29
1889	28-14	2331	16-11
1891	28-6	2530	16-16
1892	28-21		

BICYCLE

Lamp Number	Line No.	Lamp Number	Line No.
131	6-33	1483	10-9
1482	10-10		

COIN MACHINE

Lamp Number	Line No.	Lamp Number	Line No.
63	12-7	1488	28-1
81	12-3	1489	30-31
1458	10-41	1826	28-24
1464	10-42	1829	28-30
1487	28-3		

FLASHLIGHT

Lamp Number	Line No.	Lamp Number	Line No.
PR2	6-4	114	32-9
PR3	6-8	123	6-32
PR3NP	6-9	222	32-12
PR4	6-2	222X	32-13
PR5	6-3	223	6-31
PR6	6-5	224	32-10
PR7	6-10	233	8-2
PR9	6-6	243	32-15
PR12	6-14	245	8-3
PR18	6-15	246	32-16
PR20	6-16	365	8-9
PR28	6-1	403	8-13
13	8-10	404FT	6-27
14	8-4	404W	6-28
31	10-12	605	10-13
112	32-11		

HAND LANTERN

Lamp Number	Line No.	Lamp Number	Line No.
PR13	6-11	PR17	6-13
PR15	6-12	27	10-3

TABLE OF APPLICATIONS

HAND LANTERN (Cont.)

Lamp Number	Line No.	Lamp Number	Line No.
35	10-45	503	10-7
136	8-40	965	30-15
248	10-46	1021	16-8
407	10-1,	1459	18-12
	34-3	1491	14-7
408	10-2,	1492	18-11
	34-4	1553	18-15
425	10-4	1584	18-13
502	10-6	1651	18-16

INSTRUMENT (Cont.)

Lamp Number	Line No.	Lamp Number	Line No.
MICROSCOPE ILLUMINATOR			
419	10-19	1594	18-26
812	14-8	1615	18-27
1096	18-24	1629	20-17
1460X	20-14	1630	20-18
1493	20-15	1631X	20-19
1493D	20-21	1634	22-7
1497	20-16	1649	20-20

RADIO and TELEVISION

Lamp Number	Line No.	Lamp Number	Line No.
12	8-14	240	26-32
39	26-30	242	26-18
40	26-21	259	26-26
41	24-40	1448	8-35
42	26-2	1490	26-1
44	26-27	1809	24-38
45	26-3	1830	26-24
46	26-28	1847	26-19
47	26-22	1847AF	26-20
47R	26-23	1855	30-11
48	24-36	1866	26-25
49	24-37	1881	28-23
130	8-15	1891	28-6
137	8-17	1893	28-15
159	26-17	1900	26-29
219	8-16	2067D	26-5
239	26-31		

INDICATOR

15	10-16	1426B	6-30,
40	26-21		34-11
41	24-40	1426G	6-30,
43	24-41		34-12
44	26-27	1426R	6-30,
46	26-28		34-13
47	26-22	1426Y	6-30,
51	8-20		34-14
51AF	8-21	1435	24-42
52	8-26	1436	24-39
53	8-29	1438	8-11
64K	12-9	1450	8-36
63M	12-10	1471	12-12
67K	12-16	1474	24-29
71K	12-29	1476	24-30
89K	12-13	1477	24-31
130	8-15	1479	30-4
137	8-17	1480	30-5
147	26-35	1815	28-5
158	28-7	1819X	28-29
159	26-17	1821	28-40
161	28-2	1822	28-50
194	28-11	1823	28-53
238	26-34	1828	28-51
242	26-18	1829	28-30
256	28-10	1829X	28-31
259	26-26	1832	28-52
313-OF	28-43	1835	28-54
455	10-15	1841	30-6
456	10-39	1847	26-19
509K	12-31	1862A	28-32
509KAF	12-32	1862G	28-34
607	10-11	1862R	28-33
755	26-15	1862Y	28-35
756	26-42	1886	30-12
756R	26-43	1891	28-6
757	28-36	1909	28-20
1224K	14-4	2121D	32-14
1232	12-19	2157D	26-16
1314X	12-6	2159D	26-44
1406	10-8	2189D	26-14
1426	6-29,	2193D	28-22
	34-10		

OSCILLOGRAPH

1613	18-19	1921	32-3
1613X	18-20	1924	32-1
1621	16-24	1926	32-2
1875	30-27	1960	30-1

PHOTOCELL EXCITER

1424	18-10	1700	16-18
1434	30-25	1887U	28-4
1699	16-19		

SEARCHLIGHT

958	14-18	1025	16-17
976	14-20	1184	16-9
1019	14-21	1709	24-1

SIGNAL

405	10-14,	1806	26-10
	34-5	1850	26-8
423	8-41	1850X	26-9
947	26-38	1867	26-4
957	30-14	1906	26-7
1404	12-11	1949	26-12
1408	26-39		

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6	20-10	1240	14-23
6 IF	20-11	Q1240	30-9
8	20-26	1325	16-27
8 IF	20-27	1605	20-6
71	12-28	1606	20-7
72	12-30	1608	20-8
352X	8-8	1876X	30-24
395X	6-7	1944	30-34
612	8-18	1962X	24-23
1165	20-47	1977	24-21
1230	18-6		

MARINE

64	12-8	1056	18-8
68	12-17	1223	14-5
82	12-4	1224	14-6
82AF	12-5	1228	22-37
88	20-25	1238	14-22
90	12-15	1638	22-35
94	20-31	1692	22-13
624	14-3	1804	26-6
1054	18-7		

TOY, TRAIN

19	8-25	428	10-20
50	8-19	430	10-24
257	10-27,	431	10-25
	34-8	431R	10-26
257R	10-28	432	10-35
258	10-29,	432G	10-37
	34-9	432R	10-38
363	8-23	433	10-36
401	8-39,	1445	8-34
	34-1	1446	8-22
406	8-42,	1447	8-33
	34-2	1449	8-24
426	10-18		

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1631X	20-19	1763	24-4

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157	12-2	1933	32-4
1460	20-13	1973	24-19

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Lamp Number	Line No.	Lamp Number	Line No.	Lamp Number	Line No.	Lamp Number	Line No.	Lamp Number	Line No.	Lamp Number	Line No.
C6	34-14	42	26-2	114	32-9	304	12-38	426	10-18	1004	6-24
C7-½	34-15	43	24-41	123	6-32	305	22-8	427	10-5	1005	20-32
C9-½	34-16	44	26-27	130	8-15	305 IF	22-9	428	10-20	1006	18-14
D15	34-17	45	26-3	131	6-33	306	22-10	430	10-24	1012	6-22
D26	34-18	46	26-28	136	8-40	307	22-15	431	10-25	1014	6-21
D27	34-19	47	26-22	137	8-17	307 IF	22-16	431 R	10-26	1016	20-34
D28	34-20	47 R	26-23	147	26-35	307 NR	22-19	432	10-35	1019	14-21
D30	34-21	48	24-36	153	12-1	307 R	22-20	432 G	10-37	1021	16-8
D33	34-22	49	24-37	157	12-2	307 SB	22-21	432 R	10-38	1025	16-17
D36	34-23	50	8-19	158	28-7	308	22-17	433	10-36	1034	20-41
D38	34-24	51	8-20	159	26-17	308 IF	22-18	455	10-15,	1034 A	20-42
D80	34-25	51 AF	8-21	161	28-2	309	24-11		34-6	1034 NA	20-43
MF2T6/BL	35-15	52	8-26	168	28-17	309 IF	24-12	456	10-39	1044	18-2
MF5000	35-1	53	8-29	194	28-11	309 SB	24-14	458	8-2	1047	18-4
ML20/IF-28	32-7	53 R	8-31	194 A	28-12	310	24-13	480	10-47	1048 X	18-5
ML20/R-28	32-6	53 X	8-30	209	6-19	311	24-15	502	10-6	1054	18-7
PR2	6-4	55	10-17	210	6-20	311 R	24-17	503	10-7	1056	18-8
PR3	6-8	57	10-22	211-1	30-16	312	24-16	509 K	12-31	1073	20-45
PR3 NP	6-9	57 TR	10-21	212-1	30-18	313	28-41	509 KAF	12-32	1076	20-46
PR4	6-2	57 X	10-23	219	8-16	313 AF	28-42	550	30-19	1095	22-5
PR5	6-3	63	12-7	222	32-12	313 G	28-45	551	30-17	1096	18-24
PR6	6-5	63 K	12-9	222 X	32-13	313 NR	28-46	605	10-13	1129	20-1
PR7	6-10	63 M	12-10	223	6-31	313-OF	28-43	607	10-11	1130	20-2
PR9	6-6	64	12-8	224	32-10	313 R	28-44	612	8-18	1131	20-3
PR12	6-14	67	12-20	233	8-2	315	22-31	623	14-1	1133	16-22
PR13	6-11	67 K	12-16	238	26-34	316	26-11	623 AF	14-2	1134	16-23
PR15	6-12	68	12-17	239	26-31	352 X	8-8	624	14-3	1141	20-37
PR16	6-17	71	12-28	240	26-32	354	8-5	631	12-27	1141 IF	20-38
PR17	6-13	71 K	12-29	242	26-18	356	8-37	755	26-15	1142	20-39
PR18	6-15	72	12-30	243	32-15	356 TR	8-38	756	26-42	1143	16-30
PR20	6-16	81	12-3	245	8-3	363	8-23	756 R	26-43	1144	16-31
PR28	6-1	82	12-4	246	32-16	365	8-9	757	28-36	1150	18-9
6	20-10	82 AF	12-5	248	10-46	395 X	6-7	809 M	14-9	1152	20-33
6 IF	20-11	87	20-24	250	8-27	401	8-39,	812	14-8	1154	20-4
6 X	20-12	88	20-25	256	28-10,		34-1	835	14-10	1155	12-18
8	20-26	89	12-14		34-7	403	8-13	836	14-12	1156	22-4
8 IF	20-27	89 K	12-13	257	10-27,	404 FT	6-27	839	14-14	1157	20-48
10	8-6	90	12-15		34-8	404 W	6-28	841	14-16	1157 A	20-49
12	8-14	93	20-29	257 R	10-28	405	10-14,	842	14-11	1157 NA	22-1
13	8-10	93 IF	20-30	258	10-29,		34-5	844	14-13	1158	20-5
14	8-4	93 T	22-6		34-9	406	8-42,	847	14-15	1161	20-36
15	10-16	94	20-31	259	26-26		34-2	872	30-13	1165	20-47
19	8-25	97	12-21	264	8-7	407	10-1,	947	26-38	1176	20-35
27	10-3	97 A	12-22	293	10-34		34-3	957	30-14	1178	12-24
31	10-12	97 NA	12-23	301	10-43	408	10-2,	958	14-18	1178 A	12-25
35	10-45	105	6-25	302	10-44		34-4	965	30-15	1183	16-10
39	26-30	109	22-38	303	12-37	419	10-19	976	14-20	1184	16-9
40	26-21	110	22-39	303 AF	12-39	423	8-41	997	14-17	1195	16-32
41	24-40	112	32-11	303 R	12-40	425	10-4	1003	6-23	1196	16-33

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Lamp Number	Line No.	Lamp Number	Line No.	Lamp Number	Line No.	Lamp Number	Line No.	Lamp Number	Line No.	Lamp Number	Line No.
1203	22-24	1426R	6-30,	1553	18-15	1777	20-40	1887U	28-4	2133	14-19
1204	22-25		34-13	1561	24-7	1788U	26-36	1888	26-37	2142	22-2
1209	16-20	1426Y	6-30,	1565	18-17	1789D	28-13	1889	28-14	2144	22-3
1223	14-5		34-14	1584	18-13	1804	26-6	1891	28-6	2155	22-33
1224	14-6	1434	30-25	1594	18-26	1806	26-10	1892	28-21	2157D	26-16
1224K	14-4	1435	24-42	1605	20-6	1809	24-38	1893	28-15	2159D	26-44
1228	22-37	1436	24-39	1606	20-7	1810	26-33	1895	10-30	2172U	8-28
1230	18-6	1437	28-25	1608	20-8	1813	28-19	1895A	10-31	2173U	28-8
1231W	22-26	1438	8-11	1612	18-18	1815	28-5	1895G	10-32	2173D	28-9
1232	12-19	1445	8-32,	1613	18-19	1816	26-41	1895R	10-33	2188U	28-37
1238	14-22		8-34	1613X	18-20	1818	28-26	1898	28-16	2189D	26-14
1240	14-23	1446	8-22	1615	18-27	1819	28-28	1900	26-29	2193D	28-22
Q1240	30-9	1447	8-33	1619	20-22	1819X	28-29	1906	26-7	2232	22-14
1247	12-26	1448	8-35	1621	16-24	1820	28-39	1909	28-20	2233	22-27
1251	12-33	1449	8-24	1626	20-9	1820X	28-38	1912	16-21	2286U	28-18
1251B	12-34	1450	8-36	1629	20-17	1821	28-40	1913	8-12	2330	16-29
1251CB	12-35	1458	10-41	1630	20-18	1822	28-50	1921	32-3	2331	16-11
1252	12-36	1459	18-12	1631X	20-19	1823	28-53	1924	32-1	2338	16-12
1293	16-34	1460	20-13	1632	20-23	1826	28-24	1925	32-8	2530	16-16
1295	20-28	1460X	20-14	1634	22-7	1828	28-51	1926	32-2	3011	24-18
1302	26-13	1462	30-30	1638	22-35	1829	28-30	1933	32-4	5004CW	35-2
1309	6-26	1464	10-42	1649	20-20	1829X	28-31	1936	32-5	5004R	35-3
1314X	12-6	1467	30-10	1651	18-16	1830	26-24	1939	30-35	5004WW	35-4
1315	10-40	1468	18-25	1662	22-32	1832	28-52	1939X	30-36	5008CW	35-7
1317	6-18	1471	12-12	1665	22-28	1835	28-54	1940	30-33	5008R	35-8
1321	16-25	1474	24-29	1665 IF	22-29	1841	30-6	1944	30-34	5008WW	35-9
1323	16-26	1476	24-30	1665SB	22-30	1843	28-27	1949	26-12	5013CW	35-11
1325	16-27	1477	24-31	1666	22-22	1847	26-19	1958	30-7	5013R	35-12
1327	18-3	1479	30-4	1666 IF	22-23	1847AF	26-20	1959	30-8	5013WW	35-13
1380	16-4	1480	30-5	1678	22-40	1849X	26-40	1960	30-1	5104WW	35-5
1383	16-2	1482	10-10	1680	18-21	1850	26-8	1962	24-22	5106WW	35-6
1384	16-1	1483	10-9	1680X	18-22	1850X	26-9	1962X	24-23	5108WW	35-10
1385	16-5	1487	28-3	1680 IF	18-23	1855	30-11	1963	30-2	5113WW	35-14
1385X	16-6	1488	28-1	1682	22-36	1862A	28-32	1964	24-34		
1388	16-3	1489	30-31	1683	22-34	1862G	28-34	1966	30-3		
1390	16-7	1489X	30-32	1691	22-11	1862R	28-33	1967	24-33		
1404	12-11	1490	26-1	1691 IF	22-12	1862Y	28-35	1968	24-32		
1406	10-8	1491	14-7	1692	22-13	1864	28-47	1970	24-35		
1408	26-39	1492	18-11	1699	16-19	1864AF	28-49	1971	24-24		
1410	30-28	1493	20-15	1700	16-18	1864NR	28-48	1973	24-19		
1414	30-20	1493D	20-21	1709	24-1	1866	26-25	1974	24-20		
1424	18-10	1495	30-21	1723	24-5	1867	26-4	1975	24-26		
1426	6-29,	1495R	30-22	1724	24-6	1874	30-26	1976	24-27		
	34-10	1497	20-16	1725	24-2	1875	30-27	1977	24-21		
1426B	6-30,	1501	16-13	1726	24-9	1876	30-23	1978	24-25		
	34-11	1502	16-28	1726X	24-10	1876X	30-24	1979	24-28		
1426G	6-30,	1503	16-14	1731	24-8	1881	28-23	2067D	26-5		
	34-12	1504	16-15	1759	24-3	1884	30-29	2106	20-44		
		1507	18-1	1763	24-4	1886	30-12	2121D	32-14		

GENERAL ELECTRIC MINIATURE LAMP SALES AND DISTRIBUTION CENTERS

SALES OFFICES (To Obtain Sales and Technical Information)

(Address)	(Zip)	(Telephone)
ATLANTA, GA. 120 Ottley Drive, N. E. P. O. Box 13917	30324	875-0921
BALTIMORE, MD. 1401 Parker Rd. Mail: P.O. Box 7427, Baltimore, Md.	21227	242-5700
BOSTON, MASS. 50 Industrial Place, Newton Upper Falls, Mass.	02164	332-6200
CHARLOTTE, N. C. 1001 Tuckaseegee Rd. P.O. Box 17362	28211	376-6585
CHICAGO, ILL. 550 West Jackson Blvd.	60606	332-4712
CINCINNATI, OHIO 49 Central Ave.	45202	421-6810
CLEVELAND, OHIO 12910 Taft Ave.	44108	266-4337
COLUMBUS, OHIO 800 Northwest Blvd.	43212	294-4115
DALLAS, TEXAS 6500 Cedar Springs Road	75235	351-3725
DENVER, COLO. 6501 Stapleton Dr., North	80216	388-4611
DETROIT, MICH. 15135 Hamilton Ave.	48203	883-0200
EL PASO, TEXAS 2800 N. Stanton St. Room 210	79910	533-1961
HONOLULU, HAWAII Suite 300, 1149 Bethel St.	96813	537-3280
HOUSTON, TEXAS 5615 Lybbar Drive	77035	923-2549
INDIANAPOLIS, IND. 2511-F-1 East 46 St.	46205	547-5511
JACKSONVILLE, FLA. 4077 Woodcock Dr., Suite 222	32207	396-1205
N. KANSAS CITY, MO. 535 East 14th Ave.	64116	471-0123
LOS ANGELES, CALIF. 2747 S. Malt Ave.	90022	723-2541
LOUISVILLE, KY. 2311 S. Brook Street	40208	637-3651
MEMPHIS, TENN. 2021 S. Latham St.	38109	948-2642
MIAMI, FLA. 3655 N. W. 71st St.	33147	693-3811
MILWAUKEE, WIS. 8100 West Florist Ave., Mail: P.O. Box 299	53201	462-3860
MINNEAPOLIS, MINN. 500 Stinson Blvd.	55413	331-4050
NEWARK, N. J. 133 Boyd Street	07103	824-5200
NEW ORLEANS, LA. 4800 River Road, Mail: Box 10236, Jefferson Branch	70121	835-6421
NEW YORK, N. Y. 219 E. 42 St.	10017	750-2000
OAKLAND, CALIF. 999-98th Avenue	94603	569-3422
OKLAHOMA CITY, OKLA. Executive Terrace Bldg., 2809 N.W. Expressway	73112	842-4028
PHILADELPHIA, PA. Rt. 202, At Expressway, King of Prussia, Pa.	19406	688-5900
PITTSBURGH, PA. 238 W. Carson St.	15219	471-9050
PORTLAND, OREGON 2800 N. W. Nela Street	97210	223-2101
RICHMOND, VA. 1510 Willow Lawn Dr., Mail: P.O. Box 8627	23226	282-7644
ROCHESTER, N. Y. Gibbs St. Bldg., 31 Gibbs St., Room 500	14604	454-2990
SALT LAKE CITY, UTAH 6501 Stapleton Drive, N., Denver, Colorado	80216	388-4611
ST. LOUIS, MO. 1530 Fairview Ave.	63132	429-6930
SEATTLE, WASH. 2400—6th Avenue, South	98134	622-8081
UTICA, N. Y. c/o Radio Receiver Dept., P.O. Box 175, 1001 Broad St.	13501	733-0922

DISTRIBUTION CENTERS (To Order Lamps and to Obtain Shipping Information. Local Warehouse Stocks maintained at these Points)

(Address)	(Zip)	(Telephone)
120 Ottley Drive, N.E., P.O. Box 13917	30324	875-0921
1401 Parker Road, Arbutus, Md.	21227	242-5700
50 Industrial Place, Newton Upper Falls, Mass.	02164	332-6200
1001 Tuckaseegee Rd.	28208	376-6585
4201 So. Pulaski Rd.	60632	254-6161
49 Central Ave.	45202	421-6810
12910 Taft Ave.	44108	266-4404
Cleveland Distr. Ctr., 12910 Taft Ave., Cleveland O.	44108	266-4404
6500 Cedar Springs Rd., Mail: P.O. Box 35425	75235	351-3725
6501 Stapleton Dr., North	80216	388-4611
15135 Hamilton Ave.	48203	883-0200
Dallas Distr. Ctr., 6500 Cedar Springs Road, Mail: P. O. Box 35425	75235	351-3725
Oakland Distr. Ctr., 999-98th Ave. Oakland, Calif.	94603	569-3422
P.O. Box 18265, 5534 Armour Drive	77023	675-2248
Cincinnati Distr. Ctr., 49 Central Ave., Cincinnati, O.	45202	421-6810
Tampa Distr. Ctr., 11101 N. 46th St. P.O. Box 16626	33617	988-7351
535 East 14th Ave.	64116	471-0123
2747 S. Malt Ave.	90022	723-2541
Cincinnati Distr. Ctr., 49 Central Ave., Cincinnati, O.	45202	421-6810
2021 S. Latham St.	38109	948-2642
3655 N. W. 71st St.	33147	693-3811
8100 West Florist Ave., P.O. Box 299	53201	462-3860
Northwestern Terminal Bldg., 500 Stinson Blvd.	55413	331-4050
133 Boyd Street, Newark, N. J.	07103	824-5200
4800 River Road, Mail: P.O. Box 10236, Jefferson Branch	70121	835-6421
75-11 Woodhaven Blvd., Glendale, N. Y.	11227	896-6000
999-98th Ave.	94603	569-3422
Dallas Distr. Ctr., 6500 Cedar Springs Road, Dallas, Tex.	75235	351-3725
Route 202, At Expressway, P.O. Box 299 King of Prussia, Pa.	19406	688-5900
238 W. Carson St.	15219	471-9050
2800 N. W. Nela Street	97210	223-2101
Baltimore Distr. Ctr., 1401 Parker Rd., Arbutus, Md.	21227	242-5700
Buffalo Distr. Ctr., 98 Hydraulic St., Buffalo, N.Y.	14210	856-0800
Salt Lake City Distr. Ctr., 1775 West 15th South, Salt Lake City, Utah	84104	487-2276
1530 Fairview Ave.	63132	429-6930
2400—6th Avenue, South	98134	622-8081
Buffalo Distr. Ctr., 98 Hydraulic St., Buffalo, N. Y.	14210	856-0800

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