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# Large Lamp Catalog





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# Westinghouse Large Lamp Catalog

This catalog lists Westinghouse Incandescent, Fluorescent and High Intensity Discharge lamps. They are listed in wattage sequence except for special groupings such as Street Lighting, Quartz Infrared, Tungsten Halogen, Hi-Intensity & Tuff-Skin lamps.

## Ordering Code

The complete information shown in the ordering code column together with the voltage, if applicable, should be used when placing orders.

In a number of instances a lamp type may be available in different kinds of packaging such as 2 or 4 lamp wrappers. Some small lamp types which are generally multiple packed on a platform with an overwrap are also packaged as a blister carded item for the retail market. Each of these items is shown as a separate listing. To identify them, additional information is included with the ordering code. The following examples illustrate this:

Ordering Code	Pkg. Qty.	Explanation
BC-7C7/W CD/2	120 cds	Carded pack-2 lps per card. The number shown in the pkg qty column is the number of cards per minimum shipping case.
60A/W 24/2	48	24-2 lp wrappers = 48 lps per minimum shipping case.
50/150T/WL /TP 96/1	96	96-1 lp wrappers = 96 lps per minimum shipping case.

• Quantity shown is minimum shipping container. Refer to Net Price Schedules for number of lamps required for qualification as a standard case.

## ☺ Exclusive Product

Lamps exclusively manufactured by Westinghouse are designated by a ☺ to the left of the ordering code.

## High Volume Types

Lamps that move in relatively high volume are highlighted by a tinted area behind the ordering code.

## Lamp Life and Lumens

Approximate hours life and approximate initial lumen ratings represent average performance at design volts under specified test conditions. Lamps may be burned in any position unless otherwise noted.

## Voltage

Lamps listed are available only in the voltages shown.

Lamps listed in range voltages such as 115-125 or 230-250 are intended for use on circuits normally varying within these voltage limits and are designed for an average voltage suitable for operation on such circuits. Lamps intended for operation in range voltages have a design volt center as follows, unless otherwise noted by a footnote:

Range Voltage	Design Voltage
115-125	120
120-130	125
125-130	130
230-250	240

## Class of Lamp

Incandescent lamps are classified as type B or type C. The type B lamp is one in which the filament operates in a vacuum. The type C lamp is one in which the filament operates in an atmosphere of inert gas. For gas filled lamps which can be burned in any position the lumen maintenance is best when lamps are burned base up. For the vacuum type lamps which have no restrictions on burning position the lumen maintenance is the same in all burning positions.

## Lamp Dimensions

Bulb Designations consist of a letter or letters to indicate shape and a number to indicate the approximate diameter in eighths of an inch.

Maximum Over-all Length is measured from the top of the bulb to bottom of the base.

Nominal lamp length for fluorescent lamps includes the proper allowance for standard lamp holders.

Light center length is the distance from the center of the filament or center of the arc for high intensity discharge lamps to the point shown below for the base indicated.

- All Screw Bases—Bottom base contact
- Medium and Mogul Prefocus—Top of base fin
- Mogul Bipost—Shoulder of post
- Medium Bipost—Bottom of bulb
- Bayonet Candelabra and Medium Bayonet—Top of base pins
- S.C. or D.C. Prefocus—Plane of locating bosses of prefocusing collar
- Mini-Can—Intersection of 45° taper with maximum diameter of base

## Base Pin Position for Bayonet

### Candelabra Based Lamps

When lamps are based with a bayonet candelabra base, the plane of the base pins will be approximately at right angles to the plane of the filament, unless otherwise indicated.

### S.C. or D.C. Prefocus Based Lamps

The plane containing the base axis and the major locking eyelet which is the eyelet equidistant from the other two eyelets, will be at right angles to the plane of the filament or lead wires unless otherwise indicated.

The letter (A) shown in the Base column after S.C. or D.C. Pref. based lamps indicates that the distance from the bottom of base contact or contacts to the bottom of the collar is .406". In the case of D.C. Pref. based lamps, the letter (A) also indicates that the plane containing the base axis and contacts is at right angles to the plane containing the base axis and the major locking eyelet.

## Metric Equivalents

Lamp Length English (Inches)	Metric (Millimeters)
6	152.4
9	228.6
12	304.8
15	381.0
18	457.2
21	533.4
24	609.6
33	839.5
36	914.4
42	1066.8
48	1219.2
60	1524.0
64	1625.6
72	1828.8
84	2133.6
96	2438.4

## Bulb Diameter

Diameter	Millimeters
T-5	16.0
T-6	19.0
T-8	25.4
T-9	28.7
T-10	31.75
T-12	38.10

## The Following are Trade-Marks of Westinghouse Electric Corporation:

Agro-Lite  
Beauty Lite  
Beauty Tone®  
Brooder-Lite  
Bug-A-Way®  
Cameo  
Ceramalux  
Colortone®  
Econ-o-watt®  
Heat-Ray  
Hi-Output  
Kleen-Beam  
Lifeguard®  
Low-Temp  
Sterilamp®  
Style-Tone  
Super-Hi  
Ultralume  
Weather Duty®



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
3	S-6	Cand. ▲	21002-1	3S6/5	120	120	1.31	Clear	B, C-7A		1 7/8	3000	12
			21009-6	3S6/5	125-130	120	1.55	Clear	B, C-7A		1 7/8	3000	12
4	C-7	Cand. ▲	20234-1	BC-4C7	CD/2 115-125	120	2/1.14	Clear Night Light	B, C-9		2 1/8	3000	16
5	S-14	Med. ▲	24006-9	5S14	12	120	1.50	Clear	B, C-6	2 1/2	3 1/2	1500	45
			24008-5	5S14/1	14	120	6.00	Railway Light Signal	B, C-6	2 1/2	3 1/2	1500	
			32219-8	5S14/G	24	120	2.25	Green	B, C-6		3 1/2	1500	
			32217-2	5S14/R	24	120	2.25	Red	B, C-6		3 1/2	1500	
			29527-9	5S14/G	30	120	2.15	Green	B, C-6		3 1/2	1000	
			20371-1	5S14/O	30	120	2.15	Orange	B, C-6		3 1/2	1000	
			29528-7	5S14/R	30	120	2.15	Red	B, C-6		3 1/2	1000	
			24013-5	5S14	34	120	1.35	Clear	B, C-6		3 1/2	1000	40
			30065-7	5S14	55	120	1.60	Clear	B, C-6		3 1/2	1500	38
			32221-4	5S14/G	60	120	2.70	Green	B, C-6		3 1/2	1500	
			32223-0	5S14/O	60	120	2.70	Orange	B, C-6		3 1/2	1500	
			30027-7	5S14/R	60	120	2.70	Red	B, C-6		3 1/2	1500	
			20066-7	5S14/W	60	120	2.70	White	B, C-6		3 1/2	1500	
			32224-8	5S14/Y	60	120	2.70	Yellow	B, C-6		3 1/2	1500	
5 1/2	C-7	Cand. ▲	32675-1	5 1/2 C7	120	1000	.54	Clear	B, C-9		2 1/8	3000	32
6	S-6	Cand. ▲	24021-8	6S6	6	120	1.69	Clear	B, C-2R		1 7/8	1500	54
		D.C. Bay	24068-9	6S6DC	6	120	2.56	Clear	B, C-2R	1 1/8	1 1/8	1500	54
		Cand. ▲	24023-4	6S6	12	120	1.41	Clear	B, C-2V		1 7/8	1500	54
		D.C. Bay	24069-7	6S6DC	12	120	1.84	Clear	B, C-2V	1 1/8	1 1/8	1500	54
		Cand. ▲	24030-9	6S6	18	120	1.77	Clear	B, C-2V		1 7/8	1500	54
			24034-1	6S6	24	120	1.41	Clear	B, C-2V		1 7/8	1500	54
		D.C. Bay	24071-3	6S6DC	24	120	1.74	Clear	B, C-2V	1 1/8	1 1/8	1500	54
		Cand. ▲	24038-2	6S6	30	120	1.41	Train	B, C-2V		1 7/8	1500	50
		D.C. Bay	24075-4	6S6DC	30	120	2.10	Clear	B, C-2V	1 1/8	1 1/8	1500	50
		Cand. ▲	24046-5	6S6	32	120	1.41	Clear	B, C-2V		1 7/8	1500	50
			24051-5	6S6	34	120	1.93	Clear	B, C-2V		1 7/8	1500	50
		S.C. Bay	24095-2	6S6SC	40	120	2.43	Clear	B, C-9		1 1/8	1500	46
		Cand. ▲	24058-0	6S6	50	120	1.41	Clear	B, C-9		1 7/8	1500	46
			24059-8	6S6	60	120	1.20	Clear	B, C-9		1 7/8	1500	46
		D.C. Bay	24087-9	6S6DC	75	120	1.61	Clear	B, C-9		1 1/8	1500	46
		Cand. ▲	21020-3	6S6	120	120	.56	Clear	B, C-9		1 7/8	1500	44
			21045-0	6S6	125-130	120	.68	Clear	B, C-9		1 7/8	1500	44
			21051-8	6S6	135	120	1.31	Clear	B, C-7A		1 7/8	1500	38
			21055-9	6S6	145	120	1.31	Clear	B, C-7A		1 7/8	1500	38
			21059-1	6S6	155	120	1.31	Clear	B, C-7A		1 7/8	1500	38
			21027-8	6S6/BM	120	120	1.99	Blue	B, C-9		1 7/8	1500	
			21032-8	6S6/G	115-125	120	1.35	Green	B, C-9		1 7/8	1500	
			28867-0	6S6/G	130	120	1.18	Green	B, C-9		1 7/8	1500	
			21033-6	6S6/R	115-125	120	.94	Red	B, C-9		1 7/8	1500	
			21049-2	6S6/R	130	120	1.18	Red	B, C-9		1 7/8	1500	
			21035-1	6S6/W	115-125	120	.94	White	B, C-9		1 7/8	1500	
			21050-0	6S6/W	130	120	1.18	White	B, C-9		1 7/8	1500	
			21024-5	6S6/3	120	120	1.99	Vibration, Clear	B, C-17		1 7/8	1500	20
			21048-4	6S6/3	125-130	120	2.24	Vibration, Clear	B, C-17		1 7/8	1500	20
		D.C. Bay	21066-6	6S6DC	120	120	.93	Clear	B, C-9	1 1/8	1 1/8	1500	44
			21085-6	6S6DC	125-130	120	1.14	Clear	B, C-9	1 1/8	1 1/8	1500	44
			21090-6	6S6DC/R	125-130	120	1.81	Red	B, C-9		1 1/8	1500	
			21098-9	6S6DC	145	120	1.66	Clear	B, C-7A	1 1/8	1 1/8	1500	38
			21104-5	6S6DC	155	120	2.43	Clear	B, C-7A	1 1/8	1 1/8	1500	38
			21068-2	6S6/1DC	120	120	1.93	Vibration, Clear	B, C-17	1 1/8	1 1/8	1500	20
		S.C. Bay	21113-6	6S6SC	120	120	1.42	Clear	B, C-9	1 1/8	1 1/8	1500	44
		Inter.	21106-0	6S6/7	120	120	1.38	Clear	B, C-9		1 1/8	1500	44
			21110-2	6S6/7	130	120	1.93	Clear	B, C-9		1 7/8	1500	44
	S-14	Med.	21127-6	6S14/IF	115-125	120	1.12	Inside Frosted	B, C-9		3 1/2	1500	42
			21126-8	6S14	115-125	120	1.07	Clear	B, C-9	2 1/2	3 1/2	1500	43



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>6</b>	S-14	Med.	21130-0	6S14/R	115-125	120	1.35	Red	B, C-9		3 1/2	1500	
			21132-6	6S14/W	115-125	120	1.35	White	B, C-9		3 1/2	1500	36
			21133-4	6S14/Y	115-125	120	1.35	Yellow	B, C-9		3 1/2	1500	
	T-4 1/2	Cand. ▲	21139-1	6T4 1/2/1	115-125	60	1.75	Indicator	B, C-9		1 7/8	1500	40
			21143-3	6T4 1/2/1	130	60	2.10	Indicator	B, C-9		1 7/8	1500	40
<b>7</b>	C-7	Cand. ▲	23503-6	7C7	115-125	240	.44	Clear	B, C-9		2 1/8	3000	45
			23617-4	7C7/1	24 Pk. 130	24	.51	Clear	B, C-9		2 1/8	3000	45
			23512-7	7C7/W	115-125	240	.51	Night Light White	B, C-9		2 1/8	3000	35
			29298-7	BC-7C7/W	CD/2 115-125	240	2/1.17	Night Light White	B, C-9		2 1/8	3000	35
			23621-6	7C7/W/1	24 Pk. 130	24	1.03	Night Light White	B, C-9		2 1/8	3000	35
			23516-8	7C7/B	24 Pk. 115-125	24	.82	Blue	B, C-9		2 1/8	3000	
			23522-6	7C7/G	24 Pk. 115-125	24	.82	Green	B, C-9		2 1/8	3000	
			23549-9	7C7/O	24 Pk. 115-125	24	.82	Orange	B, C-9		2 1/8	3000	
			23912-9	7C7/R	24 Pk. 115-125	24	.82	Red	B, C-9		2 1/8	3000	
			29365-4	7C7/Y	24 Pk. 115-125	24	.82	Yellow	B, C-9		2 1/8	3000	
			⊗ 28810-0	BC-7C7/TB	CD/2 115-125	240	2/1.63	Transparent Blue	B, C-9		2 1/8	3000	
			⊗ 28809-2	BC-7C7/TG	CD/2 115-125	240	2/1.63	Transparent Green	B, C-9		2 1/8	3000	
			⊗ 28808-4	BC-7C7/TR	CD/2 115-125	240	2/1.63	Transparent Red	B, C-9		2 1/8	3000	
			⊗ 28811-8	BC-7C7/TY	CD/2 115-125	240	2/1.63	Transparent Yellow	B, C-9		2 1/8	3000	
			D.C. Bay, 25096-9	7C7/DC	24 Pk. 115-125	24	.80	Clear	B, C-9		2 3/8	3000	45
<b>7 1/2</b>	S-11	Med. ▲	23622-4	7 1/2S	115-125	240	.68	Clear	B, C-9		2 1/4	1400	53
			23506-9	7 1/2S	130	240	.82	Clear	B, C-9		2 1/4	1400	53
			23626-5	7 1/2S/W	115-125	240	.77	Night Light White	B, C-9		2 1/4	1400	42
			29301-9	BC-7 1/2S/W	CD/1 115-125	240	.89	Night Light White	B, C-9		2 1/4	1400	42
			23661-2	7 1/2S/W	130	240	.92	Night Light White	B, C-9		2 1/4	1400	42
			23665-3	7 1/2S/B	24 Pk. 115-125	24	.84	Blue	B, C-9		2 1/4	1400	
			23675-2	7 1/2S/G	24 Pk. 115-125	24	.84	Green	B, C-9		2 1/4	1400	
			23677-8	7 1/2S/O	24 Pk. 115-125	24	.84	Orange	B, C-9		2 1/4	1400	
			23681-0	7 1/2S/O	24 Pk. 130	24	1.02	Orange	B, C-9		2 1/4	1400	
			23662-0	7 1/2S/R	115-125	240	.84	Red	B, C-9		2 1/4	1400	
			23664-6	7 1/2S/R	130	240	1.02	Red	B, C-9		2 1/4	1400	
			23692-7	7 1/2S/Y	24 Pk. 115-125	24	.84	Yellow	B, C-9		2 1/4	1400	
			⊗ 28816-7	BC-7 1/2S/TB	CD/1 115-125	240	.99	Transparent Blue	B, C-9		2 1/4	1400	
			⊗ 28813-4	BC-7 1/2S/TG	CD/1 115-125	240	.99	Transparent Green	B, C-9		2 1/4	1400	
			⊗ 28812-6	BC-7 1/2S/TR	CD/1 115-125	240	.99	Transparent Red	B, C-9		2 1/4	1400	
			⊗ 28817-5	BC-7 1/2S/TY	CD/1 115-125	240	.99	Transparent Yellow	B, C-9		2 1/4	1400	
<b>9</b>	S-11	S.C. Bay. ⊗	29447-0	9S11/SC	12	240	7.15	Rwy. Lt. Signal(72)	C, C-2V	1 1/4	2 3/8	1500	
<b>10</b>	A-15	2 Pin Sl.	24104-2	10A15/4	10	60	11.85	Rwy. Lt. Signal(74)	C, C-2V	2 3/32	3 3/4	1500	
	S-11	Inter. ▲	24108-3	10S11N	30	120	1.90	Clear	B, C-2V	1 1/2	2 3/8	750	107
	B-12	Cand. ▲ ⊗	35213-8	BC-10B12C/3W	6/2 120-130	12	2/2.60	Cameo White	B, C-7A		2 3/8	1000	
	C-7	Cand. ▲	21209-2	10C7	115-125	120	.70	Clear	B, C-7A		2 1/8	(3)	40
			36519-7	10C7/1	130	120	.84	Clear	B, C-7A		2 1/8	(3)	40
	D.C. Bay,		21220-9	10C7DC	115-125	120	.93	Clear	B, C-7A		2 3/8	(3)	40
			21225-8	10C7DC/R	115-125	120	1.69	Red	B, C-7A		2 3/8	(3)	
	S-11	Inter. ▲	25094-4	10S11N/IF	24 Pk. 115-125	24	1.08	Inside Frosted	B, C-7A		2 3/8	1500	80
		Inter.	23707-3	10S11N	115-125	240	1.03	Clear	B, C-7A	1 5/8	2 3/8	1500	80
			23709-9	10S11N	130	240	1.25	Clear	B, C-7A	1 5/8	2 3/8	1500	80
			23765-1	10S11N/B	24 Pk. 115-125	24	1.17	Blue	B, C-7A		2 3/8	1500	
			23805-5	10S11N/G	24 Pk. 115-125	24	1.17	Green	B, C-7A		2 3/8	1500	
			23852-7	10S11N/O	24 Pk. 115-125	24	1.17	Orange	B, C-7A		2 3/8	1500	
			23833-7	10S11N/R	24 Pk. 115-125	24	1.17	Red	B, C-7A		2 3/8	1500	
			23726-3	10S11N/W	24 Pk. 115-125	24	1.17	White	B, C-7A		2 3/8	1500	62
			23756-0	10S11N/W	24 Pk. 130	24	1.17	White	B, C-7A		2 3/8	1500	62
			23854-3	10S11N/Y	24 Pk. 115-125	24	1.17	Yellow	B, C-7A		2 3/8	1500	
			23855-0	10S11N/Y	24 Pk. 130	24	1.17	Yellow	B, C-7A		2 3/8	1500	
			23857-6	10S11N/TB	130	120	1.30	Transparent Blue	B, C-7A		2 3/8	1500	
			23865-9	10S11N/TG	130	120	1.30	Transparent Green	B, C-7A		2 3/8	1500	
			23866-7	10S11N/TR	130	120	1.30	Transparent Red	B, C-7A		2 3/8	1500	
			23897-2	10S11N/TY	130	120	1.30	Transparent Yellow	B, C-7A		2 3/8	1500	








# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>10</b>	S-11	D.C. Bay.	21234-0	10S11DC	115-125	120	2.40	Clear	B, C-7A	1 3/8	2 3/8	1500	80
		S.C. Bay.	21260-5	10S11SC	115-125	120	2.40	Clear	B, C-7A	1 3/8	2 3/8	1500	80
		Cand. ▲	21232-4	10S11/79	115-125	120	1.47	Clear	B, C-7A	1 3/8	2 1/4	1500	80
	S-14	Med.	21294-4	10S14/IF	120	120	.90	Inside Frosted	B, C-9		3 1/2	1500	82
			21308-2	10S14/IF	130	120	.95	Inside Frosted	B, C-9		3 1/2	1500	82
			21291-0	10S14	120	120	.88	Clear	B, C-9	2 1/2	3 1/2	1500	82
			21304-1	10S14	130	120	.95	Clear	B, C-9	2 1/2	3 1/2	1500	82
			21262-1	10S14/D	115-125	60	1.19	Daylight	B, C-9		3 1/2	1500	
			21267-0	10S14/B	115-125	60	1.05	Blue	B, C-9		3 1/2	1500	
			21272-0	10S14/G	115-125	60	1.05	Green	B, C-9		3 1/2	1500	
			21265-4	10S14/O	115-125	60	1.05	Orange	B, C-9		3 1/2	1500	
			21276-1	10S14/R	115-125	60	1.05	Red	B, C-9		3 1/2	1500	
			21278-7	10S14/R2	115-125	60	1.05	Rose	B, C-9		3 1/2	1500	
			21279-5	10S14/W	115-125	60	1.05	White	B, C-9		3 1/2	1500	64
			21282-9	10S14/Y	115-125	60	1.05	Yellow	B, C-9		3 1/2	1500	
			39079-9	10S14/TB	115-125	120	1.39	Transparent Blue	B, C-9		3 1/2	1500	
			39080-7	10S14/TG	115-125	120	1.39	Transparent Green	B, C-9		3 1/2	1500	
			39081-5	10S14/TO	115-125	120	1.39	Transparent Orange	B, C-9		3 1/2	1500	
			39082-3	10S14/TR	115-125	120	1.39	Transparent Red	B, C-9		3 1/2	1500	
			39083-1	10S14/TY	115-125	120	1.39	Transparent Yellow	B, C-9		3 1/2	1500	
	T-7	Cand. ▲	21215-9	10T7/5	115-125	120	1.39	Vibration, Clear	B, C-7A		2 1/4	(3)	40
		D.C. Bay.	21223-3	10T7/5DC	115-125	120	1.75	Vibration, Clear	B, C-7A		2 1/4	(3)	40
	S-6	Cand. ▲	24429-3	10S6/10	230	120	1.49	Clear	B, CC-9		1 7/8	1500	69
			24436-8	10S6/10	250	120	1.49	Clear	B, CC-9		1 7/8	1500	69
		Inter.	24453-3	10S6/13	230	120	1.75	Clear	B, CC-9		1 7/8	1500	69
			24456-6	10S6/13	250	120	1.75	Clear	B, CC-9		1 7/8	1500	69
		D.C. Bay.	24444-2	10S6/15	230	120	2.43	Clear	B, CC-9		1 7/8	1500	69
			33172-8	10S6/15R	230	120	3.20	Red	B, CC-9		1 7/8	1500	
	S-14	Med.	24450-9	10S6/15	250	120	2.43	Clear	B, CC-9		1 7/8	1500	69
			24460-8	10S14	230-250	120	1.74	Clear	B, C-9		3 1/2	1000	60
			24464-0	10S14/R	230-250	120	2.28	Red	B, C-9		3 1/2	1000	
<b>11</b>	S-11	S.C. Bay.	24138-0	11S11SC	11	120	4.40	Rwy. Lt. Signal(72)	C, C-2V	1 1/4	2 3/8	2500	
	S-14	Med.	21340-5	11S14/IF	115-125	120	.95	Inside Frosted	B, C-9		3 1/2	3000	82
			21349-6	11S14/IF	130	120	.95	Inside Frosted	B, C-9		3 1/2	3000	82
			37551-9	11S14/IF Handy Pack	130	120	.95	I.F., Handy Pack	B, C-9		3 1/2	3000	82
			21339-7	11S14	115-125	120	.93	Clear	B, C-9	2 1/2	3 1/2	3000	82
			21347-0	11S14	130	120	.93	Clear	B, C-9	2 1/2	3 1/2	3000	82
			37550-1	11S14 Handy Pack	130	120	.93	Clear, Handy Pack	B, C-9	2 1/2	3 1/2	3000	82
			21342-1	11S14/B	115-125	120	1.17	Blue	B, C-9		3 1/2	3000	
			21351-2	11S14/B	130	120	1.17	Blue	B, C-9		3 1/2	3000	
			21343-9	11S14/G	115-125	120	1.17	Green	B, C-9		3 1/2	3000	
			21352-0	11S14/G	130	120	1.17	Green	B, C-9		3 1/2	3000	
			21341-3	11S14/O	115-125	120	1.17	Orange	B, C-9		3 1/2	3000	
			21350-4	11S14/O	130	120	1.17	Orange	B, C-9		3 1/2	3000	
			21344-7	11S14/R	115-125	120	1.17	Red	B, C-9		3 1/2	3000	
			21353-8	11S14/R	130	120	1.17	Red	B, C-9		3 1/2	3000	
			21345-4	11S14/W	115-125	120	1.17	White	B, C-9		3 1/2	3000	64
			21354-6	11S14/W	130	120	1.17	White	B, C-9		3 1/2	3000	64
			21346-2	11S14/Y	115-125	120	1.17	Yellow	B, C-9		3 1/2	3000	
			21355-3	11S14/Y	130	120	1.17	Yellow	B, C-9		3 1/2	3000	
			37552-7	11S14/Y Handy Pack	130	120	1.17	Yellow, Handy Pack	B, C-9		3 1/2	3000	
			39089-8	11S14/TB	115-125	120	1.22	Transparent Blue	B, C-9		3 1/2	3000	
			39007-0	11S14/TB	130	120	1.22	Transparent Blue	B, C-9		3 1/2	3000	
			39090-6	11S14/TG	115-125	120	1.22	Transparent Green	B, C-9		3 1/2	3000	
			39093-0	11S14/TG	130	120	1.22	Transparent Green	B, C-9		3 1/2	3000	
			38842-1	11S14/TO	115-125	120	1.22	Transparent Orange	B, C-9		3 1/2	3000	
			39091-4	11S14/TR	115-125	120	1.22	Transparent Red	B, C-9		3 1/2	3000	
			39006-2	11S14/TR	130	120	1.22	Transparent Red	B, C-9		3 1/2	3000	
			39092-2	11S14/TY	115-125	120	1.22	Transparent Yellow	B, C-9		3 1/2	3000	
			39095-5	11S14/TY	130	120	1.22	Transparent Yellow	B, C-9		3 1/2	3000	


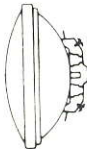


# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>13</b>	S-11	S.C.Bay.	24140-6	13/3½S11/95	10	120	8.20	Rwy. Lt. Signal(72)(73)	C, C-2V C-12	1¼	2¾	1000	
<b>15</b>	A-19	Med.▲	32743-7	15A	6	120	1.52	Inside Frosted	C, C-6		4¼	1000	190
	A-15	Med.▲ 	35337-5	15A15	12	120	1.52	Inside Frosted	C, C-6		3½	1000	187
	A-19	Med.▲	32740-3	15A	12	120	1.52	Inside Frosted	C, C-6		4¼	1000	187
	A-17	Med.▲	24146-3	15A17/2	30	120	8.75	Rwy. Lt. Signal	C, C-7A	2¾	3¾	1000	
	T-6	Cand.▲	24184-4	15T6	30	60	3.20	Switchboard	B, C-7A		3⅞	2000	160
	A-19	Med.▲	32708-0	15A	34	120	1.31	Inside Frosted	C, C-6		4¼	1000	179
	S-14	Med.▲	24179-4	15S14/IF	34	120	1.52	Train, I.F.	B, C-6		3½	1000	141
			24180-2	15S14/IF/1	34	120	1.43	Train, I.F. Insulated Lead	B, C-6		3½	1000	141
		Med. 	23321-3	15S14/GR/IF	34	120	1.54	Inside Frosted	C, C-6		3½	3000	120
	A-15	Med.▲	33378-1	15A	60	120	1.21	Inside Frosted	B, C-9		3½	1000	152
	T-6	Cand.▲	24186-9	15T6	60	60	2.40	Switchboard	B, C-7A		3⅞	2000	120
	A-15	Med.▲	33367-4	15A	75	120	1.31	Inside Frosted	B, C-9		3½	1000	147
	S-11	D.C.Bay.	24169-5	15S11/3DC	75	120	2.00	Clear	B, C-7A	1¼	2¾	1000	140
			24171-1	15S11DC	90	120	2.65	Clear	B, C-7A	1¾	2¾	1000	133
	A-15	Med.▲	39869-3	15A15	120	120	.73	Inside Frosted	B, C-9		3½	2500	126
			39887-5	15A15	130	120	.87	Inside Frosted	B, C-9		3½	2500	126
			21385-0	15A15/CL	120	120	.85	Clear	B, C-9	2¾	3½	2500	126
			21402-3	15A15/CL	130	120	.98	Clear	B, C-9	2¾	3½	2500	126
			29399-3	15A/W	12/2	120	.81	Soft White	B, C-9		3½	2500	120
			21723-2	15A/W	12/2PM	120	.81	Soft White	B, C-9		3½	2500	120
		Med. 	25850-9	15A15/35	120	60	1.09	Industrial Service, I.F.	B, C-9		3½	3500	123
			25849-1	15A15/35	125-130	60	1.30	Industrial Service, I.F.	B, C-9		3½	3500	123
		Med.▲	21368-6	15A/B	115-125	60	1.06	Blue	B, C-9		3½	2500	
			21372-8	15A/G	115-125	60	1.06	Green	B, C-9		3½	2500	
			21366-0	15A/O	115-125	60	1.06	Orange	B, C-9		3½	2500	
			21376-9	15A/R	115-125	60	1.06	Red	B, C-9		3½	2500	
			21379-3	15A/R2	115-125	60	1.06	Rose	B, C-9		3½	2500	
			21381-9	15A/WH	115-125	60	1.06	White	B, C-9		3½	2500	
			21383-5	15A/Y	115-125	60	1.06	Yellow	B, C-9		3½	2500	
	BA-9	Cand.▲	36180-8	BC-15BA9C/3	6/2	120-130	2/2.60	Cameo Clear, Bent Tip	B, C-7A		3¾	1000	135
	F-10	Cand.▲	35180-9	BC-15F10C/3	6/2	120-130	2/2.15	Cameo Clear	B, C-7A		3⅞	1000	
			35181-7	BC-15F10C/3A	6/2	120-130	2/2.60	Cameo Amber	B, C-7A		3⅞	1000	
	G-16½	Cand.▲	35219-5	BC-15G16½C/3W	6/2	120-130	2/3.85	Cameo White	B, C-7A		3	1000	
		Cand.	25162-9	15G16½C		120-130	1.52	Decorative, Clear	B, C-7A		3	1000	
			25164-5	15G16½C/W		120-130	1.92	Decorative, White	B, C-7A		3	1000	
	S-6	Cand.▲	21459-3	15S6	115-125	120	3.50	Clear	B, C-17		2	2000	98
	S-11	Cand.▲	21464-3	15S11/IF	115-125	120	1.52	Indicator, I.F.	B, C-7A		2¼	750	135
		Cand.	21462-7	15S11/13	115-125	60	1.42	Decorative, Clear	B, C-7A	1⅞	2¼	750	135
			21460-1	15S11/14	115-125	60	2.50	Spotlight	B, C-7A	1¾	2¼	200	160
		Med.▲	24480-6	15S11/102	115-125	24	1.20	Refrigerator, Clear	B, C-7A	1⅞	2¼	400	142
	T-6	Cand.▲	21486-6	15T6	115-125	60	1.35	Switchboard, Clear	B, C-7A		3⅞	2000	114
		D.C.Bay.	21492-4	15T6DC	115-125	60	2.59	Clear	B, C-7A		3⅞	2000	114
		Cand.▲	21490-8	15T6	140-150	60	1.70	Switchboard, Clear(63)	B, C-7A		3⅞	2000	106
	T-7	D.C.Bay.	21506-1	15T7DC/IF	115-125	60	1.37	Appliance, I.F.	B, C-7A		2¼	(4)	113
			21510-3	15T7DC/IF	130	60	1.37	Appliance, I.F.	B, C-7A		2¼	(4)	113
			21503-8	15T7DC	115-125	60	1.08	Appliance, Clear	B, C-7A		2¼	(4)	115
			29302-7	BC-15T7DC	CD/1	115-125	1.35	Appliance, Clear	B, C-7A		2¼	(4)	115
		Cand.▲	21499-9	15T7C/IF	115-125	60	1.31	Appliance, I.F.	B, C-7A		2¼	(4)	113
			21496-5	15T7C	115-125	60	1.18	Appliance, Clear	B, C-7A		2¼	(4)	115
		Inter.▲	21513-7	15T7N/IF	115-125	60	1.42	Appliance, I.F.	B, C-7A		2¼	(4)	113
			21511-1	15T7N	115-125	60	1.18	Appliance, Clear	B, C-7A		2¼	(4)	115
			29336-5	BC-15T7N	CD/1	115-125	1.40	Appliance, Clear	B, C-7A		2¼	(4)	115
	T-8	Cand.▲	21515-2	15T8C	115-125	60	1.49	Clear	B, C-7A		2¾	1000	150
			21519-4	15T8C/W	115-125	60	1.93	White	B, C-7A		2¾	1000	
		Inter.▲	20115-2	15T8N	115-125	60	2.00	Clear	B, C-7A		2¾	1000	150
	T-10	Med.▲	29703-6	15T10	24 Pk.	115-125	1.60	Aquarium, Clear	B, C-9		5¾	2500	115
	A-15	Med.▲	33375-7	15A	230-250	120	1.52	Inside Frosted	B, C-9		3½	1000	120




# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens		
17	S-11	S.C.Bay.	24197-6	17S11SC	13.5	120	6.75	Rwy. Lt. Signal(72)	C, C-2V	1¼	2¾	2000			
18		A-15	24200-8	18A15/3	10	60	7.00	Rwy. Lt. Signal(74)	C, C-2V	2 ⅜	3¾	1500			
			3 Pin Sl.	24203-2	18A15/7	10	60	7.40	Rwy. Lt. Signal(74)	C, C-2R	2 ⅜	3¾	1500		
			2 Pin Sl.	24201-6	18/3.5A15/5	10	60	9.05	Rwy. Lt. Signal— both Fil. in Multiple(74)	C, C-2V CC-6	2 ⅜	3¾	1500		
			3 Pin Sl.	24205-7	18/3.5A15/7	10	60	8.50	Rwy. Lt. Signal— both Fil. in Multiple(74)	C, C-2V CC-6	2 ⅜	3¾	1500		
	S-11	S.C.Bay	24210-7	18S11/1SC	10	120	4.00	Rwy. Lt. Signal(72)	C, CC-6	1¼	2¾	1000			
			24213-1	18/5S11SC	12	120	10.85	Rwy. Lt. Signal(72) (73)	C, C-2V C-12	1¼	2¾	1000			
20	A-15	Med.	32702-3	20A/5	115-125	120	1.21	Flashing Sign, Clear (5)	C, C-9	2¾	3½	1000	148		
			32693-4	20A/5	130	120	1.50	Flashing Sign, Clear (5)	C, C-9	2¾	3½	1000	148		
	T-6½	Inter. D.C.Bay.	22511-0	20T6½/IF	120	60	2.70	Exit Sign, I.F.	B, C-8		5½	(3)	90		
			22512-8	20T6½DC/IF	120	60	3.00	Exit Sign, I.F.	B, C-8		5½	(3)	90		
			22121-8	20T6½/DC	120	60	2.70	Exit Sign, Clear	B, C-8		5½	(3)	90		
25		A-19	Med.▲	24222-2	25A	6	120	1.44	Inside Frosted	C, C-6		4¼	1000	380	
		S-11	S.C.Bay.	24250-3	25S11/4SC	10	120	4.00	Rwy. Lt. Signal(72)	C, CC-6	1¼	2¾	1000		
		A-19	Med.▲	24224-8	25A	12	120	1.42	Inside Frosted	C, C-6		4¼	1000	375	
		PAR-36	M-P	20208-5	25PAR36/NSP	12	12	6.80	★PAR Compact Spot	C, C-6		2¾	2000	150	
		A-19	Med.▲	24227-1	25A	24	120	1.44	Inside Frosted	C, C-6		4¼	1000	345	
				24229-7	25A	30	120	1.18	Train, I.F.	C, C-6		4¼	1000	325	
		T-6½	Inter.▲	24259-4	25T6½	30	60	4.40	Clear	C, C-8		5½	1000	350	
		T-8½	Med.▲	24274-3	25T8½/IF	30	60	5.65	Inside Frosted	C, C-8		5½	1000	350	
		A-19	Med.▲	24231-3	25A19/RS	32	120	1.44	Rough Service, I.F.	B, C-9		3 ⅜	1000		
				24235-4	25A	34	120	1.31	Train, I.F.	C, C-6		4¼	1000	325	
		T-6½	Inter.▲	24266-9	25T6½/1	34	60	5.05	Stretched Fil., Clear	B, C-8		5½	1000	255	
		T-8½	Med.▲	24278-4	25T8½/IF	34	60	3.85	Inside Frosted	C, C-8		5½	1000	350	
		A-19	Med.▲	24240-4	25A	60	120	.97	Train, I.F.	C, C-6		4¼	1000	280	
		T-8½	Med.▲	24281-8	25T8½/IF	60	60	5.40	Inside Frosted	C, C-8		5½	1000	280	
		A-19	Med.▲	24243-8	25A	75	120	1.43	Inside Frosted	B, C-9		3 ⅜	1000	265	
				33365-8	25A19/RS	75	120	1.35	Train, Rough Service, I.F.	B, C-9		3 ⅜	1000	240	
		A-15	Med.▲	23165-4	25A15/1	115-125	120	.83	Refrigerator, I.F.	B, C-9		3½	1000	210	
				22638-1	25A15/RFL	130	120	3.20	Sign Reflector, I.F.	B, C-9		3½	2500		
		A-19	Med.▲	39888-3	25A	120	120	.73	Inside Frosted	B, C-9		3 ⅜	2500	232	
				D.C. Med. ☹	21547-5	25A/B22D	120	120	1.76	Inside Frosted	B, C-9		3 ⅜	2500	232
			Med.▲	39890-9	25A	130	120	.88	Inside Frosted	B, C-9		3 ⅜	2500	232	
				21573-1	25A/CL	120	120	.82	Clear	B, C-9	2½	3 ⅜	2500	232	
				21615-0	25A/CL	130	120	.99	Clear	B, C-9	2½	3 ⅜	2500	232	
				29387-8	25A/W	12/2	120	.81	Soft White	C, CC-6		4 ⅜	2500	220	
				21727-3	25A/W	12/2PM	120	.81	Soft White	C, CC-6		4 ⅜	2500	220	
		Med. ☹		25848-3	25A19/35	120	60	1.08	Industrial Service, I.F.	B, C-9		3 ⅜	3500	220	
				25847-5	25A19/35	125-130	60	1.31	Industrial Service, I.F.	B, C-9		3 ⅜	3500	220	
		Med.▲		21550-9	25A/D	115-125	120	1.56	Daylight, Clear	B, C-9		3 ⅜	2500		
		Med.		21557-4	25A/B	115-125	60	1.17	Blue	B, C-9		3 ⅜	2500		
				21559-0	25A/FT	115-125	60	1.17	Flametint	B, C-9		3 ⅜	2500		
				21561-6	25A/G	115-125	60	1.17	Green	B, C-9		3 ⅜	2500		
				21555-8	25A/O	115-125	60	1.17	Orange	B, C-9		3 ⅜	2500		
				21564-0	25A/R	115-125	60	1.17	Red	B, C-9		3 ⅜	2500		
				21636-6	25A/R	130	60	1.25	Red	B, C-9		3 ⅜	2500		
				21566-5	25A/R2	115-125	60	1.17	Rose	B, C-9		3 ⅜	2500		
				21563-2	25A/V	115-125	60	1.17	Ivory	B, C-9		3 ⅜	2500		
				21594-7	25A/WH	115-125	120	1.17	White	B, C-9		3 ⅜	2500		
				21567-3	25A/Y	115-125	60	1.17	Yellow	B, C-9		3 ⅜	2500		
				21643-2	25A/Y	130	60	1.25	Yellow	B, C-9		3 ⅜	2500		
				Med.▲ ☹	21572-3	25A/NR	115-125	60	28.50	Natural Ruby	B, C-9		3 ⅜	2500	
				Med.	29734-1	25A19/GR/CL	120	120	1.05	Clear	B, C-9		3 ⅜	3000	210
					29736-6	25A19/GR/CL	130	120	1.05	Clear	B, C-9		3 ⅜	3000	210
					20369-5	25A19/GR/TB	115-125	60	1.48	Transparent Blue	B, C-9		3 ⅜	3000	
					36474-5	25A/TB	12 Pk.	115-125	12	1.48	Transparent Blue	B, C-9		3 ⅜	3000



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
<b>25</b>	A-19	Med.	20364-6	25A19/GR/TG	115-125	60	1.48	Transparent Green	B, C-9		3 1/8	3000	
			36479-4	25A/TG 12 Pk.	115-125	12	1.48	Transparent Green	B, C-9		3 1/8	3000	
			20372-9	25A19/GR/TR	115-125	60	1.48	Transparent Red	B, C-9		3 1/8	3000	
			36481-0	25A/TR 12 Pk.	115-125	12	1.48	Transparent Red	B, C-9		3 1/8	3000	
			20355-4	25A19/GR/TY	115-125	60	1.48	Transparent Yellow	B, C-9		3 1/8	3000	
			36483-6	25A/TY 12 Pk.	115-125	12	1.48	Transparent Yellow	B, C-9		3 1/8	3000	
			21588-9	25A/RS	120	120	1.41	Rough Service, I.F.	B, C-17		3 1/8	1000	235
			21625-9	25A/RS	125-130	120	1.70	Rough Service, I.F.	B, C-17		3 1/8	1000	235
			21589-7	25A/VS	120	120	.99	Vibration, I.F.	B, C-9		3 1/8	1000	265
			21626-7	25A/VS	125-130	120	1.05	Vibration, I.F.	B, C-9		3 1/8	1000	265
	Med. ▲		21577-2	25A/CL/VS	120	120	.92	Vibration, Clear	B, C-9	2 1/2	3 1/8	1000	265
			21618-4	25A/CL/VS	125-130	120	1.05	Vibration, Clear	B, C-9	2 1/2	3 1/8	1000	265
	Med.		38053-5	25A/CL/RFL	120	60	2.11	Sign Reflector, Clear	B, C-9		3 1/8	3000	
			38055-0	25A/CL/RFL	125-130	60	2.43	Sign Reflector, Clear	B, C-9		3 1/8	3000	
	B-10 1/2	Cand. ▲	35121-3	BC-25B10 1/2/3	6/2 120-130	12	2/2.60	Cameo Clear	C, C-7A		3 7/8	1000	
			35123-9	BC-25B10 1/2/3IR	6/2 120-130	12	2/2.60	Cameo Iridescent	C, C-7A		3 7/8	1000	
	BA-9	Cand. ▲	36188-1	BC-25BA9C/3	6/2 120-130	12	2/2.60	Cameo Clear, Bent Tip(8)	C, C-7A		3 3/4	1000	180
			36189-9	BC-25BA9C/3F	6/2 120-130	12	2/2.60	Cameo Frost, Bent Tip(8)	C, C-7A		3 3/4	1000	
			35112-2	25BA9C/4M	120	24	1.30	Commercial Cameo Clear	B, C-7A		3 3/4	4000	
			35226-0	25BA9C/4MF	120	24	1.50	Commercial Cameo Frost	B, C-7A		3 3/4	4000	
	BA-9 1/2	Med. ▲	36165-9	BC-25BA9 1/2/3	6/2 120-130	12	2/2.60	Cameo Clear, Bent Tip(8)	C, C-7A		4	1000	
	F-10	Cand. ▲	35191-6	BC-25F10C/3	120-130	12	2/2.15	Cameo Clear	C, C-7A		3 3/8	1000	
	F-15	Med. ▲	35196-5	BC-25F15/3	6/2 120-130	12	2/2.15	Cameo Clear	B, C-9		4 1/2	1000	
			35197-3	BC-25F15/3A	6/2 120-130	12	2/2.60	Cameo Transparent Amber	B, C-9		4 1/2	1000	
			35199-9	BC-25F15/3IR	6/2 120-130	12	2/2.60	Cameo Iridescent	B, C-9		4 1/2	1000	
			35202-1	BC-25F15/3W	6/2 120-130	12	2/2.60	Cameo White	B, C-9		4 1/2	1000	
			21669-7	25F15	120-130	60	.97	Decorative, Clear	B, C-9		4 1/2	1000	
			35227-8	25F15/4M	120	24	1.08	Commercial Cameo Clear	B, C-9		4 1/2	4000	
			21671-3	25F15/FT	120-130	60	1.45	Decorative, Flametint	B, C-9		4 1/2	1000	
			29391-0	25F15/GO	120-130	60	1.45	Decorative, Gold	B, C-9		4 1/2	1000	
			25150-4	25F15/PK	120-130	60	1.30	Decorative, Pink	B, C-9		4 1/2	1000	
			21673-9	25F15/W	120-130	60	1.45	Decorative, White	B, C-9		4 1/2	1000	
	G-16 1/2	Cand. ▲	35221-1	BC-25G16 1/2C/3	6/2 120-130	12	2/3.10	Cameo Clear	B, C-7A		3	1000	240
			35222-9	BC-25G16 1/2C/3W	6/2 120-130	12	2/3.85	Cameo White	B, C-7A		3	1000	215
			25166-0	26G16 1/2C	120-130	60	1.52	Decorative, Clear	B, C-7A		3	1000	240
			25169-4	25G16 1/2C/W	120-130	60	1.92	Decorative, White	B, C-7A		3	1000	215
			20092-3	25G16 1/2C/4M	120	24	2.25	Commercial Cameo Clear	B, C-7A		3	4000	200
			35228-6	25G16 1/2C/4MW	120	24	2.25	Commercial Cameo White	B, C-7A		3	4000	180
		S.C. Bay.	21683-8	25G16 1/2SC	120	60	5.80	Rwy. Lt. Signal	B, C-5	1 1/4	3	1000	
	G-18 1/2	Med. ▲	21686-1	25G18 1/2	115-125	60	1.45	Decorative, Clear	B, C-9		3 3/8	750	265
			21692-9	25G18 1/2/W	115-125	60	1.49	White	B, C-9		3 3/8	750	220
	G-25	Med.	33896-2	25G25/3 12 Pk.	120-130	12	1.95	Cameo Clear	B, C-9		4 1/8	2500	230
			33897-0	25G25/3W 12 Pk.	120-130	12	2.13	Cameo White	B, C-9		4 1/8	2500	
		Med. ▲	21695-2	25G25	115-125	60	1.37	Decorative, Clear	B, C-9		4 1/8	750	265
			21699-4	25G25/W	115-125	60	1.49	Decorative, White	B, C-9		4 1/8	750	220
	G-40	Med.	33389-8	25G40/3	120-130	24	3.45	Cameo Clear	C, C-9		6 1/8	2500	
			20588-0	25G40/3W	120-130	24	3.85	Cameo White	C, C-9		6 1/8	2500	
	R-12	Inter. 	27267-4	25R12N	120	100	3.85	Mini-Reflector, Frost	C, CC-9		2 5/8	1500	200
	R-14	Inter.	20417-2	25R14N	120	100	3.85	Mini-Reflector, Frost	C, CC-9		2 5/8	1500	200
	S-11	Cand. ▲	21701-8	25S11/1C	115-125	120	2.08	✱Decorative, Clear	B, C-7A		2 1/4	750	180
			21702-6	25S11/2C	115-125	120	1.75	✱Headlamp, Clear	B, C-7A	1 1/8	2 1/4	500	220
		Inter. ▲	21706-7	25S11N/1	115-125	120	2.05	✱Sewing Machine, I.F.	B, C-1		2 3/8	600	210
	T-6 1/2	Inter. ▲	21718-2	25T6 1/2/IF	115-125	60	2.25	Inside Frosted	B, C-8		5 1/2	1000	250
			21721-6	25T6 1/2/IF	130	60	2.70	Inside Frosted	B, C-8		5 1/2	1000	250
			21714-1	25T6 1/2	115-125	60	1.92	Clear	B, C-8		5 1/2	1000	250
			22856-9	25T6 1/2 24 Pk.	115-125	24	1.92	Clear	B, C-8		5 1/2	1000	250
			21720-8	25T6 1/2	130	60	2.25	Clear	B, C-8		5 1/2	1000	250
			21710-9	25T6 1/2DC/IF	115-125	60	3.30	Inside Frosted	B, C-8		5 1/2	1000	250
		D.C. Bay.	21713-3	25T6 1/2DC/IF	130	60	3.95	Inside Frosted	B, C-8		5 1/2	1000	250



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
<b>25</b>	T-6½	D.C. Bay.	21709-1	25T6½DC	115-125	60	2.80	Clear	B, C-8		5½	1000	250
			21712-5	25T6½DC	130	60	3.40	Clear	B, C-8		5½	1000	250
	T-8	D.C. Bay.	21730-7	25T8DC/IF	115-125	60	1.50	Appliance, I.F.	B, C-7A		2¾	(4)	240
			21736-4	25T8DC/IF	130	60	1.76	Appliance, I.F.	B, C-7A		2¾	(4)	240
			21726-5	25T8DC	115-125	60	1.22	Appliance, Clear	B, C-7A		2¾	(4)	240
			29348-0	BC-25T8DC	CD/1 115-125	120	1.46	Appliance, Clear	B, C-7A		2¾	(4)	240
			21735-6	25T8DC	130	60	1.42	Appliance, Clear	B, C-7A		2¾	(4)	240
			21722-4	25T8C	115-125	60	1.50	Appliance, Clear	B, C-7A		2¾	(4)	240
	T-10	Med. ▲	20116-0	25T8N	115-125	60	1.39	Appliance, Clear	B, C-7A		2¾	(4)	240
			21764-6	25T10/IF	120	60	1.50	Inside Frosted	B, C-8		5¾	1000	260
			29726-7	25T10/IF 24 Pk.	120	24	1.50	Inside Frosted	B, C-8		5¾	1000	260
			21782-8	25T10/IF	130	60	1.80	Inside Frosted	B, C-8		5¾	1000	260
			21760-4	25T10	120	60	1.23	Clear	B, C-8		5¾	1000	260
			29718-4	25T10 24 Pk.	120	24	1.23	Clear	B, C-8		5¾	1000	260
			21780-2	25T10	130	60	1.48	Clear	B, C-8		5¾	1000	260
			21758-8	25T10/RFL	115-125	60	11.05	Reflector(6)	C, CC-8		5¾	1000	230
			28962-9	25T10/R	120	60	3.55	Red	B, C-8		5¾	1000	
	T-19	Med. ▲	32348-5	25T/WL 12/2	120	24	.83	Eye Saving White	C, CC-6		4¼	3350	205
			21790-1	25T/WL 12/2PM	120	24	.83	Eye Saving White	C, CC-6		4¼	3350	205
	A-19	Med. ▲	24498-8	25A	230	120	1.48	Inside Frosted	B, C-17		3¾	1000	220
			24508-4	25A	250	120	1.48	Inside Frosted	B, C-17		3¾	1000	220
			24497-0	25A/CL	230	120	1.65	Clear	B, C-17 2½		3¾	1000	220
			24507-6	25A/CL	250	120	1.65	Clear	B, C-17 2½		3¾	1000	220
			24511-8	25A/G	250	120	1.83	Green	B, C-17		3¾	1000	
			24504-3	25A/R	230	120	1.83	Red	B, C-17		3¾	1000	
			24512-6	25A/R	250	120	1.83	Red	B, C-17		3¾	1000	
			29908-1	25A/Y	230	120	1.83	Yellow	B, C-17		3¾	1000	
			29926-3	25A	277	120	1.82	Inside Frosted	B, C-17		3¾	1000	200
	T-8	Inter. ▲	33208-0	25T8N	230	60	3.40	Clear	B, C-7A		2¾	(4)	210
			24519-1	25T8DC	230	60	3.80	Clear	B, C-7A		2¾	(4)	210
			24521-7	25T8DC	250	60	3.80	Clear	B, C-7A		2¾	(4)	210
	T-10	Med. ▲	24527-4	25T10/IF	230-250	60	5.55	Inside Frosted	B, C-17		5¾	1000	220
			24526-6	25T10	230-250	60	2.35	Clear	B, C-17		5¾	1000	220
<b>30</b>	A-15	2-Pin Sl.	24289-1	30A15/1	10	60	12.00	Rwy. Lt. Signal(74)	C, C-2V 2½		3¾	1500	
			24290-9	30/6A15/1	10	60	14.65	Rwy. Lt. Signal(74) both Fil. In Multiple	C, C-2V 2½ CC-6		3¾	1500	
	S-11	D.C. Bay.	24294-1	30S11/100	32	60	1.93	Clear	C, C-9 1¼		2¾	500	405
	T-8	Disc.	24843-5	L30/W	60	24	6.70	Lumiline White(7)	B, C-8		11¾	1500	
	S-11	D.C. Bay.	24296-6	30S11DC	64	60	1.70	Train Marker, Clear	C, C-9 1¼		2¾	500	340
			24298-2	30S11DC	75	60	1.70	Clear	C, C-9 1¼		2¾	500	340
	A-15	Med.	21932-9	30A15	120	120	.66	Sign Service, I.F.	C, C-9		3½	2000	225
			20205-1	30A15	130	120	.66	Sign Service, I.F.	C, C-9		3½	2000	225
			20207-7	30A15/CL	120	120	.66	Sign Service, Clear	C, C-9 2¾		3½	2000	225
			20206-9	30A15/CL	130	120	.66	Sign Service, Clear	C, C-9 2¾		3½	2000	225
	A-21	Med.	31751-1	30A21/RFL	130	60	2.75	Sign Reflector, I.F.	C, C-9		4¼	2000	
	R-20	Med. ▲	23884-0	30R20	115-125	60	3.65	Reflector, Lt. I.F.	C, C-9		3¾	2000	210
			29868-7	30R20 12 Pk.	115-125	12	3.85	Reflector, Lt. I.F.	C, C-9		3¾	2000	210
			37453-8	30R20	130	60	4.45	Reflector, Lt. I.F.	C, C-9		3¾	2000	210
	T-8	Disc.	24846-8	L30/IF	115-125	24	7.25	Lumiline Frost(7)	B, C-8		17¾	1500	245
			24844-3	L30	115-125	24	6.30	Lumiline Clear(7)	B, C-8		17¾	1500	245
			24854-2	L30/W	115-125	24	7.10	Lumiline White(7)	B, C-8		17¾	1500	
<b>30 70 100</b>	A-21	3Ct. Med. ▲	30482-4	30/100/W 12 Pk.	120	12	1.52	Soft White Three-Way(8)	C, 2CC-6		5¾	1200	310 945 1255
			21773-7	30/100/W 12 Pk. PM	120	12	1.52	Soft White Three-Way(8)	C, 2CC-6		5¾	1200	310 945 1255
	T-19	3Ct. Med. ▲	30458-4	30/100T/WL 12 Pk.	120	12	1.72	Eye Saving White Three-Way(8)	C, 2CC-6		5¾	1600	300 940 1240







# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
<b>30</b> <b>70</b> <b>100</b>	T-19	3Ct. Med.▲	21818-0	30/100T/WL 12 Pk.PM	120	12	1.72	Eye Saving White Three-Way(8)	C, 2CC-6		5%	1600	300 940 1240
<b>35</b>	PAR-36	M-P	20271-3	35PAR36/MFL	12	12	7.25	★PAR Compact	C, C-6		2¾	2000	200
<b>36</b>	A-21	Med.▲	21809-9	36A/R	125	120	1.65	St. Rwy., I.F., Des. Amps.-.342(21)	B, C-9		4%	2000	400
			21811-5	36A/R	130	120	1.65	St. Rwy., I.F., Des. Amps.-.342(21)	B, C-9		4%	2000	400
<b>40</b>	A-19	Med.▲	24305-5	40A	30	120	3.85	Train, I.F.	C, C-6		4¼	1000	580
			24310-5	40A	60	120	1.39	Train, I.F.	C, C-9		4¼	1000	520
	A-15	Med.▲	20684-7	40A15	115-125	120	.72	Home Appliance, I.F.	C, C-9		3½	1000	470
			29338-1	BC-40A15	CD/1 115-125	240	.90	Home Appliance	C, C-9		3½	1000	470
			39462-7	40A15	130	120	.77	Home Appliance, I.F.	C, C-9		3½	1000	470
			20002-2	40A15/22	115-125	120	.90	Home Oven	C, C-9		4	1000	
	A-19	Med.▲	39891-7	40A	120	120	.69	Inside Frosted	C, CC-6		4⅙	1500	480
			28818-3	40A	24/2 120	48	.69	Inside Frosted	C, CC-6		4⅙	1500	480
			39893-3	40A	130	120	.83	Inside Frosted	C, CC-6		4⅙	1500	480
		D.C.Med.Ⓢ	21827-1	40A/B22D	120	120	1.70	Inside Frosted	C, C-9		4⅙	1500	480
		Med. L.H.T.Ⓢ	21825-5	40A/LHT	130	120	1.27	Inside Frosted	C, C-9		4¼	1500	480
		Med.▲	21840-4	40A/CL	120	120	.70	Clear	C, CC-6	3⅞	4⅙	1500	480
			21857-8	40A/CL	130	120	.84	Clear	C, CC-6	3⅞	4⅙	1500	480
			29598-0	40A/W	12/2 120	24	.73	Soft White	C, CC-6		4⅙	1500	470
			21731-5	40A/W	12/2PM 120	24	.73	Soft White	C, CC-6		4⅙	1500	470
			35071-0	40A/W	6/4 120	24	.73	Soft White	C, CC-6		4⅙	1500	470
			21850-3	40A/99IF	120	120	.92	Extended Service, I.F.	C, C-9		4¼	2500	415
			21863-6	40A/99IF	125-130	120	1.10	Extended Service, I.F.	C, C-9		4¼	2500	415
			21859-4	40A/99CL	125-130	120	1.32	Extended Service, Clear	C, C-9		4¼	2500	415
		Ⓢ	35554-5	40A/99Y	125-130	48	1.91	Bug-A-Way Yellow	C, CC-6		4⅙	2500	
		Med.Ⓢ	25846-7	40A19/35	120	60	1.18	Industrial Service, I.F.	C, C-9		4¼	3500	400
		Ⓢ	25845-9	40A19/35	125-130	60	1.42	Industrial Service, I.F.	C, C-9		4¼	3500	400
	A-21	Med.	21871-9	40A/B	115-125	120	1.32	Blue	B, C-9		4⅙	1000	
			21874-3	40A/G	115-125	120	1.32	Green	B, C-9		4⅙	1000	
			21870-1	40A/O	115-125	120	1.32	Orange	B, C-9		4⅙	1000	
			21876-8	40A/R	115-125	120	1.32	Red	B, C-9		4⅙	1000	
			21878-4	40A/R2	115-125	120	1.32	Rose	B, C-9		4⅙	1000	
			21879-2	40A/Y	115-125	120	1.32	Yellow	B, C-9		4⅙	1000	
			21892-5	40A/Y	130	120	1.55	Yellow	B, C-9		4⅙	1000	
	A-19	Med.▲Ⓢ	21838-8	40A/NR	115-125	60	30.25	Natural Ruby	C, C-9		4¼	1000	
	A-21	Med.Pf.Ⓢ	21895-8	40A21P	120	60	12.60	Aviation, Airport Marker	C, CC-2V	2¾	5⅙	2000	365
		Med.	20197-0	40A21/GR/CL	130	120	1.03	Sign, Clear	B, C-9	2⅞	4⅙	3000	
			30891-6	40A21/GR/TB	115-125	120	1.51	Sign, Transparent Blue	B, C-9		4⅙	3000	
			30895-7	40A21/GR/TG	115-125	120	1.51	Sign, Transparent Green	B, C-9		4⅙	3000	
			30899-9	40A21/GR/TO	115-125	120	1.51	Sign, Transparent Orange	B, C-9		4⅙	3000	
			30888-2	40A21/GR/TR	115-125	120	1.51	Sign, Transparent Red	B, C-9		4⅙	3000	
			38845-4	40A21/GR/TY	115-125	120	1.51	Sign, Transparent Yellow	B, C-9		4⅙	3000	
		Med.▲	21881-8	40A/TS	120	120	1.08	Traffic Signal(12)	C, C-9	2⅙	4⅙	2000	365
			21885-9	40A/TS	130	120	1.32	Traffic Signal(12)	C, C-9	2⅙	4⅙	2000	365
	B-10½	Cand.▲	35125-4	BC-40B10½/3	6/2 120-130	12	2/2.60	Cameo Clear(8)	C, C-7A		3⅞	1000	
			35126-2	BC-40B10½/3IR	6/2 120-130	12	2/2.60	Cameo Iridescent(8)	C, C-7A		3⅞	1000	
			35136-1	BC-40B10½/3W	6/2 120-130	12	2/2.60	Cameo White(8)	C, C-7A		3⅞	1000	
	BA-9	Cand.▲	36154-3	BC-40BA9C/3	6/2 120-130	12	2/2.60	Cameo Clear, Bent Tip(8)	C, C-7A		3¾	1000	
			36156-8	BC-40BA9C/3F	6/2 120-130	12	2/2.60	Cameo Frost, Bent Tip(8)	C, C-7A		3¾	1000	
			35113-0	40BA9C/4M	120	24	1.30	Commercial Cameo Clear	C, C-7A		3¾	4000	
			35114-8	40BA9C/4MF	120	24	1.48	Commercial Cameo Frost	C, C-7A		3¾	4000	
	BA-9½	Med.▲	36170-9	BC-40BA9½/3	6/2 120-130	12	2/2.60	Cameo Clear, Bent Tip(8)	C, C-7A		4	1000	345
			36172-5	BC-40BA9½/3F	6/2 120-130	12	2/2.60	Cameo Frost, Bent Tip(8)	C, C-7A		4	1000	325



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate		
												Hours Life	Initial Lumens	
<b>40</b>   	F-15	Med.▲	35205-4	BC-40F15/3	6/2	120-130	12	2/2.15	Cameo Clear	C, C-9	4½	1000		
			35206-2	BC-40F15/3IR	6/2	120-130	12	2/2.60	Cameo Iridescent	C, C-9	4½	1000		
			35207-0	BC-40F15/3W	6/2	120-130	12	2/2.60	Cameo White	C, C-9	4½	1000		
			22686-0	40F15		120-130	60	1.10	Decorative, Clear	C, C-9	4½	1000		
			35117-1	40F15/4M		120	24	1.08	Commercial Cameo Clear	C, C-9	4½	4000		
	G-16½	Cand.▲	28460-4	40G16½C		120-130	60	2.50	Decorative, Clear(12)	C, C-7A	3	1000		
			22819-7	40G16½C/W		120-130	60	2.65	Decorative, White(12)	C, C-7A	3	1000		
	G-25	Med.	33898-8	40G25/3	12 Pk.	120-130	12	1.95	Cameo Clear	C, C-9	4⅞	2500	385	
			33903-6	40G25/3W	12 Pk.	120-130	12	2.13	Cameo White	C, C-9	4⅞	2500		
	G-40	Med.	21905-5	40G/W		115-125	60	1.49	White	C, C-9	4⅞	750		
			32172-9	40G40/3		120-130	24	3.45	Cameo Clear	C, C-9	6⅜	2500	385	
			35547-9	40G40/3	6 Pk.	120-130	6	3.45	Cameo Clear	C, C-9	6⅜	2500	385	
			32168-7	40G40/3W		120-130	24	3.85	Cameo White	C, C-9	6⅜	2500		
	R-17	Med.▲	35548-7	40G40/3W	6 Pk.	120-130	6	3.85	Cameo White	C, C-9	6⅜	2500		
			20682-1	40R17		120	24	3.85	Mini-Reflector, Frost	C, C-9	2¾	1500	350	
	S-11	Inter.▲	32270-1	40S11N/IF		120	120	1.94	Inside Frosted	C, C-9	2⅝	350		
	T-6½	Inter.▲	21909-7	40T6½/2IF		115-125	60	2.50	Inside Frosted	B, C-8	5½	1000	440	
			21908-9	40T6½/2		115-125	60	2.25	Refrigerator, Clear	B, C-8	5½	1000	440	
			26530-6	40T6½/2	12/1CD	115-125	12	2.45	Refrigerator, Clear	B, C-8	5½	1000	440	
	T-8	Med.▲	21916-2	40T8/IF		115-125	24	6.00	Inside Frosted	B, C-8	11⅞	1000	410	
			21914-7	40T8		115-125	24	5.00	Clear	B, C-8	11⅞	1000	410	
		Disc.	24857-5	L40/IF		115-125	24	6.25	Lumiline Frost(7)	B, C-8	11¾	1500	370	
			24855-9	L40		115-125	24	5.40	Lumiline Clear(7)	B, C-8	11¾	1500	370	
	T-10	Med.▲	24865-8	L40/W		115-125	24	6.15	Lumiline White(7)	B, C-8	11¾	1500		
			21928-7	40T10/IF		120	60	1.40	Inside Frosted	B, C-8	5⅝	1000	440	
			29748-1	40T10/IF	24 Pk.	120	24	1.50	Inside Frosted	B, C-8	5⅝	1000	440	
			21940-2	40T10/IF		130	60	1.68	Inside Frosted	B, C-8	5⅝	1000	440	
			21924-6	40T10		120	60	1.23	Clear	B, C-8	5⅝	1000	440	
			29745-7	40T10	24 Pk.	120	24	1.23	Clear	B, C-8	5⅝	1000	440	
			21938-6	40T10		130	60	1.49	Clear	B, C-8	5⅝	1000	440	
		Med.Pf.	21941-0	40T10P		120	60	6.35	Aviation, Airport Marker	C, CC-2V 1½	3⅜	1000		
		Med.	21934-5	40T10/RFL		115-125	60	7.75	Reflector(6)	C, CC-8	5⅝	1000	420	
	T-19	Med.▲	34670-0	40T/WL	12/2	120	24	.83	Eye Saving White	C, CC-6	4⅞	2000	460	
			21791-9	40T/WL	12/2 PM	120	24	.83	Eye Saving White	C, CC-6	4⅞	2000	460	
	A-19	Med.▲	24535-7	40A		230	120	1.42	Inside Frosted	B, C-17	3⅜	1000	365	
		D.C. Med.	24529-0	40A/B22D		230	120	2.26	Inside Frosted	B, C-17	3⅜	1000	365	
<b>50</b> 	A-19	Med.▲	35546-1	50A	6	120	1.54	Inside Frosted	C, C-6	4¼	1000	810		
			34774-0	50A	12	120	1.63	Inside Frosted	C, C-6	4¼	1000	790		
	PAR-36	M-P	29603-8	50PAR36/WFL	12	12	6.40	★PAR Compact Wide Flood	C, C-6	2¾	2000	300		
	A-19	Med.▲	34765-8	50A	24	120	1.23	Inside Frosted	C, C-6	4¼	1000	825		
			34766-6	50A	30	120	1.18	Inside Frosted	C, C-6	4¼	1000	805		
			24321-2	50A/RS	30	120	1.38	Rough Service, I.F.	B, C-6	3⅜	1000	500		
			34769-0	50A	34	120	1.18	Inside Frosted	C, C-6	4¼	1000	790		
			24324-6	50A/RS	34	120	1.45	Rough Service, I.F.	B, C-6	3⅜	1000	500		
			34759-1	50A	60	120	1.29	Inside Frosted	C, C-9	4¼	1000	720		
			34761-7	50A	75	120	1.39	Inside Frosted	C, C-9	4¼	1000	700		
			24326-1	50A19/RS	75	120	1.18	Train, Rough Service, I.F.	B, C-9	3⅜	1000	500		
			21952-7	50A19/31		115-125	120	1.99	Commercial Oven	B, C-9	2½	3⅜	1000	500
			21972-5	50A/RS		120	120	1.60	Rough Service, I.F.	B, C-17A	3⅜	1000	465	
			22004-6	50A/RS		125-130	120	1.90	Rough Service, I.F.	B, C-17A	3⅜	1000	465	
			21966-7	50A19/5		120	120	1.40	Rough Service, Clear	B, C-17A 2½	3⅜	1000	465	
			21997-2	50A19/5		125-130	120	1.70	Rough Service, Clear	B, C-17A 2½	3⅜	1000	465	
			21976-6	50A/VS		120	120	1.00	Vibr. Service, I.F.(13)	B, C-9	2½	3⅜	1000	480
			22007-9	50A/VS		125-130	120	1.19	Vibr. Service, I.F.(13)	B, C-9	2½	3⅜	1000	480
			21968-3	50A/CL/VS		120	120	.92	Vibr. Service, Cl.(13)	B, C-9	2½	3⅜	1000	480
			22000-4	50A/CL/VS		125-130	120	1.10	Vibr. Service, Cl.(13)	B, C-9	2½	3⅜	1000	480
	R-20	Med.▲	23886-5	50R20		115-125	60	4.10	Reflector, Lt. I.F.(31)	C, C-9	3⅜	2000	420	
			29872-9	50R20	12 Pk.	115-125	12	4.25	Reflector, Lt. I.F.(31)	C, C-9	3⅜	2000	420	
			36687-2	50R20		130	60	4.95	Reflector, Lt. I.F.(31)	C, C-9	3⅜	2000	420	



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>50</b>	T-10	Med. ▲	22063-2	<b>50T10/IFRS</b>	<b>115-125</b>	60	16.50	Rough Service, I.F.	B, C-8		5 5/8	1000	410
	P-25	3Ct. Mog.	22018-6	<b>50/50P25/28</b>	<b>120</b>	60	14.00	Marine (15)	C, C-5, C-9	3 3/8	5 5/8	750	375
<b>50 100 150</b>	A-21	3Ct. Med. ▲	30492-3	<b>50/150A/W 12 Pk.</b>	<b>120</b>	12	1.52	Soft White Three-Way(8)	C, 2CC-6		5 5/8	1200	610 1510 2120
			21776-0	<b>50/150A/W 12 Pk. PM</b>	<b>120</b>	12	1.52	Soft White Three-Way(8)	C, 2CC-6		5 5/8	1200	610 1510 2120
	T-19	3Ct. Med. ▲	30475-8	<b>50/150T/WL 12 Pk.</b>	<b>120</b>	12	1.72	Eye Saving White Three-Way (8)	C, 2CC-6		5 5/8	1600	575 1450 2025
			21848-7	<b>50/150T/WL 12 Pk. PM</b>	<b>120</b>	12	1.72	Eye Saving White Three-Way (8)	C, 2CC-6		5 5/8	1600	575 1450 2025
			31102-7	<b>50/150T/WL/TP 96/1</b>	<b>120</b>	96	*165.12	Eye Saving White Three-Way (8)	C, 2CC-6		5 5/8	1600	
			31092-0	<b>50/150T/PK 12 Pk.</b>	<b>115-125</b>	12	1.88	Beauty Tone Pink Three-Way(8)	C, 2CC-6		5 5/8	1600	
	A-23	3Ct. Med. ▲	30497-2	<b>50/250M/W 12 Pk.</b>	<b>120</b>	12	1.85	Soft White Three-Way(8)	C, 2CC-6		5 5/8	1200	610 3400 4010
			21781-0	<b>50/250M/W 12 Pk. PM</b>	<b>120</b>	12	1.85	Soft White Three-Way(8)	C, 2CC-6		5 5/8	1200	610 3400 4010
	T-21	3Ct. Med. ▲	30478-2	<b>50/250MT/WL 12Pk.</b>	<b>120</b>	12	1.98	Eye Saving White Three-Way (8)	C, 2CC-6		5 5/8	1600	575 3250 3825
			21849-5	<b>50/250MT/WL 12 Pk. PM</b>	<b>120</b>	12	1.98	Eye Saving White Three-Way (8)	C, 2CC-6		5 5/8	1600	575 3250 3825
<b>50</b>	A-19	Med. ▲	24558-9	<b>50A</b>	<b>230</b>	120	1.39	Inside Frosted	B, C-17		3 1/8	1000	480
			24569-6	<b>50A</b>	<b>250</b>	120	1.39	Inside Frosted	B, C-17		3 1/8	1000	480
			24553-0	<b>50A19/37</b>	<b>230</b>	120	1.34	Clear	B, C-17		3 1/8	1000	480
			24567-0	<b>50A19/37</b>	<b>250</b>	120	1.34	Clear	B, C-17		3 1/8	1000	480
			24560-5	<b>50A/RS</b>	<b>230</b>	120	1.83	Rough Service, I.F.	B, C-17A		3 1/8	1000	450
			24572-0	<b>50A/RS</b>	<b>250</b>	120	1.83	Rough Service, I.F.	B, C-17A		3 1/8	1000	450
			24574-6	<b>50A/G</b>	<b>250</b>	120	1.92	Green	B, C-17		3 1/8	1000	
			24576-1	<b>50A/R</b>	<b>250</b>	120	1.92	Red	B, C-17		3 1/8	1000	
			24556-3	<b>50A19/38</b>	<b>230-250</b>	120	2.63	Commercial Oven	B, C-17 2 1/2		3 1/8	1000	475
			24582-9	<b>50A19</b>	<b>277</b>	120	1.60	Mine, I.F.	B, C-17		3 1/8	1000	465
			24588-6	<b>50A19</b>	<b>300</b>	120	1.60	Mine, I.F.	B, C-17		3 1/8	1000	465
			24583-7	<b>50A19/RS</b>	<b>277</b>	120	1.96	Rough Service, I.F.	B, C-17A		3 1/8	1000	420
			24589-4	<b>50A19/RS</b>	<b>300</b>	120	1.96	Rough Service, I.F.	B, C-17A		3 1/8	1000	420
			24586-0	<b>50A19/35</b>	<b>300</b>	120	1.72	Mine, Clear	B, C-17		3 1/8	1000	470
			24592-8	<b>50A19/G</b>	<b>300</b>	120	2.26	Green	B, C-17		3 1/8	1000	
			24593-6	<b>50A19/R</b>	<b>300</b>	120	2.26	Red	B, C-17		3 1/8	1000	
			24595-1	<b>50A19/Y</b>	<b>300</b>	120	2.26	Yellow	B, C-17		3 1/8	1000	
<b>54</b>	A-19	Med. ▲	26849-0	<b>54/99IF</b>	<b>120</b>	120	.92	Econ-o-watt Extended Service, I.F.	C, CC-6		4 1/8	2500	645
			26851-6	<b>54/99IF</b>	<b>125-130</b>	120	1.10	Econ-o-watt Extended Service, I.F.	C, CC-6		4 1/8	2500	645
			26826-8	<b>54A19/35</b>	<b>120</b>	60	1.18	Econ-o-watt Industrial Service I.F.	C, C-9		4 1/4	3500	590
			26827-6	<b>54A19/35</b>	<b>125-130</b>	60	1.42	Econ-o-watt Industrial Service I.F.	C, C-9		4 1/4	3500	590
<b>55</b>	PAR-38	Med.Skt	20627-6	<b>55PAR/FL</b>	<b>120-130</b>	12	5.90	★PAR Flood (29)	C, CC-6		5 5/8	3000	520
<b>56</b>	A-21	Med. ▲	22073-1	<b>56A21</b>	<b>130</b>	120	1.19	St. Rwy., I.F. Dsn. Amps.-.519(21)	B, C-9		4 1/8	2000	




# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
60	PAR-46	M-P	23230-6	60PAR	38	12	12.25	★Headlight(33)	C, CC-2V		3 3/4	800	
	A-19	Med. ▲	22114-3	60A	120	120	.69	Inside Frosted	C, CC-8		4 1/8	1000	890
			28820-9	60A	24/2 120	48	.69	Inside Frosted	C, CC-8		4 1/8	1000	890
			22136-6	60A	125	120	.76	Inside Frosted	C, CC-8		4 1/8	1000	890
			22144-0	60A	130	120	.83	Inside Frosted	C, CC-8		4 1/8	1000	890
		Med.L.H.T.	22077-2	60A/LHT	120	120	.93	Inside Frosted	C, CC-8		4 1/8	1000	890
			22079-8	60A/LHT	130	120	1.16	Inside Frosted	C, CC-8		4 1/8	1000	890
		D.C.Med. ☺	22081-4	60A/B22D	120	120	1.54	Inside Frosted	C, CC-8		4 1/8	1000	890
		Med. ▲	22111-9	60A/CL	120	120	.70	Clear	C, CC-6	3 1/8	4 1/8	1000	890
			22141-6	60A/CL	130	120	.84	Clear	C, CC-6	3 1/8	4 1/8	1000	890
			29035-3	60A/W	24/2 120	48	.73	Soft White	C, CC-8		4 1/8	1000	860
			21759-6	60A/W	24/2 PM 120	48	.73	Soft White	C, CC-8		4 1/8	1000	860
			29441-3	60A/W	12/4 120	48	.73	Soft White	C, CC-8		4 1/8	1000	860
			29476-9	60A/W/TP	48/2 120	96	*70.08	Soft White	C, CC-8		4 1/8	1000	860
			29642-6	60A/W/TP4	24/4 120	96	*70.08	Soft White	C, CC-8		4 1/8	1000	860
			22123-4	60A/99IF	120	120	.92	Extended Service, I.F.	C, CC-8		4 1/8	2500	740
			22148-1	60A/99IF	125-130	120	1.10	Extended Service, I.F.	C, CC-8		4 1/8	2500	740
			22113-5	60A/99CL	120	120	1.07	Extended Service, Clear	C, CC-8	3 1/8	4 1/8	2500	740
			31218-1	60A/99CL	125-130	120	1.29	Extended Service, Clear	C, CC-8	3 1/8	4 1/8	2500	740
		Med. ☺	25844-2	60A19/35	120	60	1.19	Industrial Service, I.F.	C, C-9		4 1/4	3500	670
		☺	25842-6	60A19/35	125-130	60	1.42	Industrial Service, I.F.	C, C-9		4 1/4	3500	670
		Med. ▲	22228-1	60A/Y	115-125	120	1.05	Bug-A-Way Yellow	C, CC-6		4 1/8	1000	
			22227-3	60A/Y	130	120	1.26	Bug-A-Way Yellow	C, CC-6		4 1/8	1000	
		☺	34856-5	60A/99Y	125-130	48	1.93	Bug-A-Way Yellow	C, CC-6		4 1/8	2500	
			35599-0	60A/AGRO	24 Pk. 120	24	3.05	Agro-Lite Plant Light	C, CC-8		4 1/8	1000	
			22086-3	60A/D	115-125	120	1.38	Daylight, I.F.	C, CC-6		4 1/8	1000	515
			22149-9	60A/D	130	120	1.66	Daylight, I.F.	C, CC-6		4 1/8	1000	515
			22084-8	60A/DCL	115-125	120	1.75	Daylight, Clear	C, CC-6		4 1/8	1000	515
			23941-8	60A/SB	115-125	120	1.83	Silvered Bowl, I.F.(43)	C, CC-6		4 1/8	1000	810
			22099-6	60A19/B	115-125	60	1.77	Blue	C, CC-6		4 1/8	1000	
			22101-0	60A19/FT	115-125	60	1.77	Flametint	C, CC-6		4 1/8	1000	
			22102-8	60A19/G	115-125	60	1.77	Green	C, CC-6		4 1/8	1000	
			22097-0	60A19/O	115-125	60	1.77	Orange	C, CC-6		4 1/8	1000	
			22106-9	60A19/R	115-125	60	1.77	Red	C, CC-6		4 1/8	1000	
			22109-3	60A19/R2	115-125	60	1.77	Rose	C, CC-6		4 1/8	1000	
			22110-1	60A19/Y	115-125	60	1.77	Yellow	C, CC-6		4 1/8	1000	
		☺	22095-4	60A19/NR	115-125	60	29.50	Natural Ruby	C, CC-6		4 1/8	1000	
	A-21	Med.	22166-3	60A21/TS	120	120	1.06	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	2000	665
			22168-9	60A21/TS	125	120	1.18	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	2000	665
			22172-1	60A21/TS	130	120	1.27	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	2000	665
	B-10 1/2	Cand. ▲	35138-7	BC-60B10 1/2/3	6/2 120-130	12	2/2.60	Cameo Clear(8)	C, C-7A		3 3/8	1000	630
			35139-5	BC-60B10 1/2/3IR	6/2 120-130	12	2/2.60	Cameo Iridescent(8)	C, C-7A		3 3/8	1000	
	BA-9	Cand. ▲	36160-0	BC-60BA9C/3	6/2 120-130	12	2/2.60	Cameo Clear, Bent Tip(8)	C, C-7A		3 3/4	1000	630
			36163-4	BC-60BA9C/3F	6/2 120-130	12	2/2.60	Cameo Frost, Bent Tip(8)	C, C-7A		3 3/4	1000	
			35119-7	60BA9C/4M	120	24	1.30	Commercial Cameo Clear	C, C-7A		3 3/4	4000	
	BA-9 1/2	Med. ▲	36175-8	BC-60BA9 1/2/3	6/2 120-130	12	2/2.60	Cameo Clear, Bent Tip(8)	C, C-7A		4	1000	
	DC-17	Med. ▲ ☺	34690-8	K60/W	24 Pk. 120	24	1.59	Super Bulb White (Krypton)	C, CC-8		4 1/8	3000	765
	F-15	Med. ▲	35210-4	BC-60F15/3	6/2 120-130		2/2.15	Cameo Clear	C, C-9		4 1/2	1000	
	G-40	Med.	32197-6	60G40/3	120-130	24	3.35	Cameo Clear	C, C-9		6 1/8	2500	
			35549-5	60G40/3	6 Pk. 120-130	6	3.45	Cameo Clear	C, C-9		6 1/8	2500	
			32196-8	60G40/3W	120-130	24	3.70	Cameo White	C, C-9		6 1/8	2500	
			35550-3	60G40/3W	6 Pk. 120-130	6	3.85	Cameo White	C, C-9		6 1/8	2500	
	T-8	Med. ▲	22174-7	60T8/1	115-125	24	7.45	Clear	B, C-8		11 7/8	1000	630
		Disc.	24870-8	L60/IF	115-125	24	6.60	Lumiline Frost(7)	B, C-8		17 3/4	1500	535
			24869-0	L60	115-125	24	5.75	Lumiline Clear(7)	B, C-8		17 3/4	1500	535
			24878-1	L60/W	115-125	24	6.50	Lumiline White(7)	B, C-8		17 3/4	1500	450
	T-10	Med.	22178-8	60T10/64IF	115-125	60	3.95	Inside Frosted	B, C-8		5 5/8	1000	745
			22176-2	60T10/64	115-125	60	3.45	Clear	B, C-8		5 5/8	1000	745



# Incandescent Lamps

	Watts	Bulb	Base		NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
	60	T-19	Med. ▲	☼	34678-3	60T/WL	24/2 120	48	.83	Eye Saving White	C, CC-8	4 1/8	1350	840	
				☼	21792-7	60T/WL	24/2 PM 120	48	.83	Eye Saving White	C, CC-8	4 1/8	1350	840	
				☼	34634-6	60T/WL/TP	48/2 120	96	*79.68	Eye Saving White	C, CC-8	4 1/8	1350	840	
				☼	29697-0	60T/PK	12/2 115-125	24	1.05	Beauty Tone Pink	C, CC-6	4 1/8	1000		
				☼	20487-5	60T/Y	12/2 115-125	24	1.05	Bug-A-Way Yellow	C, CC-8	4 1/8	1350		
	A-21	Med. ▲		24611-6	60A21	230	120	1.45	Inside Frosted	B, C-17	4 1/8	1000	590		
				24616-5	60A21	250	120	1.60	Inside Frosted	B, C-17	4 1/8	1000	590		
D.C. Med. ☼			24600-9	60A21/B22D	230	120	1.60	Inside Frosted	B, C-17	4 1/8	1000	590			
		☼	24599-3	60A21/CL/B22D	230	120	2.62	Clear	B, C-17	4 1/8	1000	590			
64	A-21	Med.		22184-6	64A21/TS	120	120	1.02	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	3000	665	
				22188-7	64A21/TS	130	120	1.22	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	3000	665	
67	A-21	Med.		39417-1	67A21/40/6M	125	120	1.02	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	6000	665	
				39136-7	67A21/40/6M	130	120	1.22	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	6000	665	
				22192-9	67A21/99TS	120	120	.89	Traffic Signal, Clear(12)	C, C-11V	2 1/8	4 1/8	8000	610	
				22197-8	67A21/99TS	130	120	1.06	Traffic Signal, Clear(12)	C, C-11V	2 1/8	4 1/8	8000	610	
69	A-21	Med.		25341-9	69A21/TS/IF	125	120	1.25	Traffic Signal, I.F.(12)	C, C-9		4 1/8	8000	685	
				22199-4	69A21/TS	120	120	1.04	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	8000	685	
				22202-6	69A21/TS	125	120	1.14	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	8000	685	
				22204-2	69A21/TS	130	120	1.24	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	8000	685	
75	A-21	Med. ▲		24352-7	75A21	6	120	1.92	Inside Frosted	C, C-6		5 1/8	1000	1200	
				24350-1	75A21/LHT	6	120	2.20	Inside Frosted	C, C-6		5 1/8	1000	1200	
				24353-5	75A21	12	120	1.92	Inside Frosted	C, C-6		5 1/8	1000	1100	
				24351-9	75A21/LHT	12	120	2.10	Inside Frosted	C, C-6		5 1/8	1000	1100	
				34778-1	75A21	30	120	1.61	Train, I.F.	C, C-6		5 1/8	1000	1050	
	PAR-38	Med. Skt.		32452-5	75PAR/FL	32	12	7.45	★PAR Flood	C, C-6		5 1/8	1000		
	A-21	Med. ▲		34779-9	75A21	34	120	1.75	Train, I.F.	C, C-6		5 1/8	1000	1100	
	PAR-46	M-P		37698-8	75PAR46	48	12	12.50	★PAR Headlight(33)	C, CC-2V		3 3/4	800		
	A-23	Med. ▲		24359-2	75A23	60	120	1.23	Train, I.F.	C, C-6		6 1/8	1000	1020	
	A-19	Med. ▲		39897-4	75A	120	120	.69	Inside Frosted	C, CC-8		4 1/8	850	1210	
				28822-5	75A	24/2 120	48	.69	Inside Frosted	C, CC-8		4 1/8	850	1210	
				39898-2	75A	125	120	.76	Inside Frosted	C, CC-8		4 1/8	850	1210	
				39899-0	75A	130	120	.83	Inside Frosted	C, CC-8		4 1/8	850	1210	
				22213-3	75A/CL	120	120	.76	Clear	C, CC-6	3 1/8	4 1/8	850	1210	
				22232-3	75A/CL	130	120	.91	Clear	C, CC-6	3 1/8	4 1/8	850	1210	
				29037-9	75A/W	24/2 120	48	.73	Soft White	C, CC-8		4 1/8	850	1170	
				21761-2	75A/W	24/2 PM 120	48	.73	Soft White	C, CC-8		4 1/8	850	1170	
				29445-4	75A/W	12/4 120	48	.73	Soft White	C, CC-8		4 1/8	850	1170	
				29493-4	75A/W/TP	48/2 120	96	*70.08	Soft White	C, CC-8		4 1/8	850	1170	
				29644-2	75A/W/TP4	24/4 120	96	*70.08	Soft White	C, CC-8		4 1/8	850	1170	
				33595-0	75A/99IF	120	120	.92	Extended Service, I.F.	C, CC-6		4 1/8	2500	1000	
				33618-0	75A/99IF	125-130	120	1.10	Extended Service, I.F.	C, CC-6		4 1/8	2500	1000	
				22225-7	75A/RX	115-125	120	1.38	Exit Light, Red	C, CC-6		4 1/8	5000		
	A-21	Med. ▲		31305-6	75A21	120-130	120	1.00	Inside Frosted	B, CC-6		5 1/8	1000	1130	
				24692-6	75A21/D	120-130	120	1.45	Daylight, I.F.	C, C-9		5 1/8	1000		
				29589-9	75A/RS/VS	120	120	1.61	Rough & Vib. Serv., I.F.	C, C-17A		5 1/8	750	750	
				29588-1	75A/RS/VS	125-130	120	1.93	Rough & Vib. Serv., I.F.	C, C-17A		5 1/8	750	750	
	DC-17	Med. ▲	☼	34698-1	K75/W	24 Pk. 120	24	1.59	Super Bulb White (Krypton)	C, CC-8		4 1/8	3000	1010	
	ER-30	Med. ▲		20572-4	75ER30	120	24	4.25	Elliptical Reflector	C, CC-6		6 3/8	2000		
				29636-8	75ER30	130	24	5.15	Elliptical Reflector	C, CC-6		6 3/8	2000		
	G-16 1/2	D.C. Bay.		23570-5	75G16 1/2 DC	120	24	12.75	Spotlight(12)(25)	C, C-5	1 3/8	3	200	785	
	PAR-36	End Prong		20191-3	75PAR36/FL	120	12	8.65	★PAR Compact Flood	C, CC-6		3 1/8	2000		
				20187-1	75PAR36/FL	125-130	12	9.50	★PAR Compact Flood	C, CC-6		3 1/8	2000		
	PAR-38	Med. Skt.		23236-3	75PAR/FL	115-125	12	4.85	★PAR Flood	C, CC-6		5 1/8	2000	750	
				23242-1	75PAR/FL	130	12	5.85	★PAR Flood	C, CC-6		5 1/8	2000	750	
				23233-0	75PAR/SP	115-125	12	4.85	★PAR Spot	C, CC-6		5 1/8	2000	750	
				23241-3	75PAR/SP	130	12	5.85	★PAR Spot	C, CC-6		5 1/8	2000	750	
				39817-2	75PAR38/2FL	115-125	12	13.75	★PAR Low-Temp Flood(31)(52)	C, CC-6		5 1/8	2000	750	




# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
75	PAR-38	Med.Skt.	35582-6	75PAR38/2FL	130	12	16.50	★PAR Low-Temp Flood (31)(52)	C, CC-6		5%	2000	750
			29247-4	75PAR38/2WFL	115-125	12	14.50	★PAR Low-Temp Wide Flood(31)(52)	C, CC-6		5%	2000	750
			29273-0	75PAR38/2WFL	130	12	17.60	★PAR Low-Temp Wide Flood(31)(52)	C, CC-6		5%	2000	750
		Med.Side Prong	23245-4	75PAR/3FL	115-125	12	7.10	★PAR Compact Flood(32)	C, CC-6		4%	2000	750
			23246-2	75PAR/3SP	115-125	12	7.10	★PAR Compact Spot(32)	C, CC-6		4%	2000	750
			20126-9	75PAR/3SP	130	12	8.50	★PAR Compact Flood(32)	C, CC-6		4%	2000	750
	R-30	Med.▲	23588-7	75R30/FL	120	60	3.05	Reflector Flood(20)	C, CC-6		5%	2000	830
			29876-0	75R30/FL 8 Pk.	120	8	3.30	Reflector Flood(20)	C, CC-6		5%	2000	830
			23600-0	75R30/FL	125-130	60	3.65	Reflector Flood(20)	C, CC-6		5%	2000	830
			34836-7	75R30/FL 4M	120	60	5.35	Reflector Flood	C, CC-6		5%	4000	690
			34837-5	75R30/FL 4M	125-130	60	6.45	Reflector Flood	C, CC-6		5%	4000	690
			23584-6	75R30/SP	120	60	3.05	Reflector Spot(20)	C, CC-6		5%	2000	830
			29873-7	75R30/SP 8 Pk.	120	8	3.30	Reflector Spot(20)	C, CC-6		5%	2000	830
			23597-8	75R30/SP	125-130	60	3.65	Reflector Spot(20)	C, CC-6		5%	2000	830
			29883-6	75R30/A 8 Pk.	115-125	8	5.25	Amber(19)	C, CC-6		5%	2000	
			29877-8	75R30/B 8 Pk.	115-125	8	5.25	Blue(19)	C, CC-6		5%	2000	
			29878-6	75R30/G 8 Pk.	115-125	8	5.25	Green(19)	C, CC-6		5%	2000	
			29881-0	75R30/PK 8 Pk.	115-125	8	5.25	Pink(19)	C, CC-6		5%	2000	
			29879-4	75R30/R 8 Pk.	115-125	8	5.25	Red(19)	C, CC-6		5%	2000	
			29880-2	75R30/Y 8 Pk.	115-125	8	5.25	Yellow(19)	C, CC-6		5%	2000	
			35606-3	75R30/AGRO 6 Pk.	120	6	4.70	Agro-Lite Plant Light	C, CC-6		5%	2000	
	R-40	Med.▲	23426-0	75R/FL	120	24	3.95	Flood	C, CC-6		6½	2000	850
			23433-6	75R/FL	125-130	24	4.65	Flood	C, CC-6		6½	2000	850
			23424-5	75R/SP	120	24	3.95	Spot	C, CC-6		6½	2000	850
			23431-0	75R/SP	125-130	24	4.65	Spot	C, CC-6		6½	2000	850
	T-10	Med.▲	22258-8	75T10/45	115-125	24	4.85	Clear	B, C-8		11½	1000	820
	T-19	Med.▲	34686-6	75T/WL 24/2	120	48	.83	Eye Saving White	C, CC-8		4%	1150	1120
			21794-3	75T/WL 24/2 PM	120	48	.83	Eye Saving White	C, CC-8		4%	1150	1120
			34644-5	75T/WL/TP 48/2	120	96	*79.68	Eye Saving White	C, CC-8		4%	1150	1120
	A-21	Med.▲	24623-1	75A21	230	120	1.68	Inside Frosted	C, C-7A		5%	1000	815
			24625-6	75A21	250	120	1.68	Inside Frosted	C, C-7A		5%	1000	790
90	A-19	Med.▲	26854-0	90/99IF	120	120	1.00	Econ-o-watt Ext. Serv., I.F.	C, CC-8		4%	2500	1230
			26855-7	90/99IF	125-130	120	1.19	Econ-o-watt Ext. Serv., I.F.	C, CC-8		4%	2500	1230
	A-21	Med.	26828-4	90A21/35	120	60	1.25	Econ-o-watt Indus. Serv., I.F.	C, C-9		5%	3500	1090
			26829-2	90A21/35	125-130	60	1.54	Econ-o-watt Indus. Serv., I.F.	C, C-9		5%	3500	1090
94	P-25	Med.	22267-9	94P25	125	60	8.40	St. Rwy. Hdt., Clear, .863A.(21)	B, C-5	2%	4¾	1000	900
95	PAR-46	2 Cont. Lugs	23247-0	95PAR/66	6.6A	12	14.95	★PAR Aviation-Runway Marker	C, CC-8		4%	75	1900
100	A-21	Med.▲	34803-7	100A	12	120	1.93	Inside Frosted	C, C-6		5%	1000	1820
	PAR-38	Med.Side Prong	23250-4	100PAR38/FL	12	12	13.25	★PAR Flood, Anti-Vibration (55)(71)	C, C-6		4%	1000	1150
			23249-6	100PAR38/2FL	12	12	13.25	★PAR Flood, Anti-Vibration	C, C-6		5%	1000	1150
	T-8	S.C.Bay.	24386-5	100T8/1SC	20	24	6.90	Contour Map	C, CC-6	2%	3½	50	2600
	A-21	Med.▲	34793-0	100A	24	120	1.32	Inside Frosted	C, C-6		5%	1000	1940
			34783-1	100A	30	120	1.32	Train, I.F.	C, C-6		5%	1000	1870
			24363-4	100A21/3	32	120	5.90	Loco. Hdt.(12)(22)	C, C-5	3	4%	500	1570
			34781-5	100A	34	120	1.50	Train, I.F.	C, C-6		5%	1000	1820
			22951-8	100PAR46	60	12	13.25	★PAR Mine Lamp, Lens Cover	C, CC-2V		3½	800	1240
	A-19	Med.▲	22279-4	100A	120	120	.69	Inside Frosted(43)	C, CC-8		4%	750	1710
			29925-5	100A 24/2	120	48	.69	Inside Frosted(43)	C, CC-8		4%	750	1710
			22287-7	100A	125	120	.76	Inside Frosted(43)	C, CC-8		4%	750	1710
			22291-9	100A	130	120	.83	Inside Frosted(43)	C, CC-8		4%	750	1710
		Med.L.H.T.	36757-3	100A/LHT	120	120	.81	Inside Frosted(43)	C, CC-8		4%	750	1710
			36491-9	100A/LHT	130	120	.97	Inside Frosted(43)	C, CC-8		4%	750	1710





# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
<b>100</b> 	A-19	Med. ▲	22277-8	100A/CL	120	120	.70	Clear(43)	C, CC-8	3 1/8	4 1/8	750	1710
			22290-1	100A/CL	130	120	.84	Clear(43)	C, CC-8	3 1/8	4 1/8	750	1710
			29045-2	100A/W	24/2 120	48	.73	Soft White	C, CC-8		4 1/8	750	1670
			21763-8	100A/W	24/2 PM 120	48	.73	Soft White	C, CC-8		4 1/8	750	1670
			29469-4	100A/W	12/4 120	48	.73	Soft White	C, CC-8		4 1/8	750	1670
			29559-2	100A/W/TP	48/2 120	96	*70.08	Soft White	C, CC-8		4 1/8	750	1670
			29645-9	100A/W/TP4	24/4 120	96	*70.08	Soft White	C, CC-8		4 1/8	750	1670
			22286-9	100A/99IF	120	120	.99	Extended Service, I.F.(43)	C, CC-8		4 1/8	2500	1480
			22295-0	100A/99IF	125-130 120	120	1.18	Extended Service, I.F.(43)	C, CC-8		4 1/8	2500	1480
			37022-1	100A/99CL	125-130 120	120	1.47	Extended Service, Clear(43)	C, CC-8		4 1/8	2500	1480
			Ⓢ 34847-4	100A/99Y	125-130 48	2.15		Bug-A-Way Yellow	C, CC-6		4 1/8	2500	
	A-21	Med. ▲	22338-8	100A21	120	120	.81	Inside Frosted	C, CC-6		5 1/8	750	1680
			22368-5	100A21	125	120	.89	Inside Frosted	C, CC-6		5 1/8	750	1680
			22393-3	100A21	130	120	.97	Inside Frosted	C, CC-6		5 1/8	750	1680
		Med.L.H.T.	22300-8	100A/3	120	120	.82	Inside Frosted	C, CC-6		5 1/8	750	1680
			22304-0	100A/3	130	120	.99	Inside Frosted	C, CC-6		5 1/8	750	1680
		D.C.Med. Ⓢ	22308-1	100A21/B22D	120	120	1.61	Inside Frosted	C, CC-6		5 1/8	750	1680
		Med. ▲	22325-5	100A21/CL	120	120	.95	Clear	C, CC-6	3 3/8	5 1/8	750	1680
			22383-4	100A21/CL	130	120	1.14	Clear	C, CC-6	3 3/8	5 1/8	750	1680
			22343-8	100A21/99IF	120	120	1.14	Extended Service, I.F.	C, CC-6		5 1/8	2500	1425
			22400-6	100A21/99IF	125-130 120	1.36		Extended Service, I.F.	C, CC-6		5 1/8	2500	1425
		Ⓢ	20848-8	100A21/99Y	125-130 120	1.80		Extended Service, Yellow	C, CC-6		5 1/8	2500	
	Med.	Ⓢ	25851-7	100A21/35	120	60	1.29	Industrial Service, I.F.	C, C-9		5 1/8	3500	1280
		Ⓢ	25834-3	100A21/35	125-130 60	1.55		Industrial Service, I.F.	C, C-9		5 1/8	3500	1280
		Ⓢ	25829-3	100A/35RS	120	60	2.23	Industrial Rough Service, I.F.	C, C-17A		5 1/8	3500	1020
		Ⓢ	25828-5	100A/35RS	125-130 60	2.48		Industrial Rough Service, I.F.	C, C-17A		5 1/8	3500	1020
	Med. ▲		35717-8	100A/D	115-125 60	1.70		Daylight, I.F.	C, C-9		5 1/8	750	1000
			35718-6	100A/D	130	60	2.07	Daylight, I.F.	C, C-9		5 1/8	750	1000
			35712-9	100A/DCL	115-125 60	1.79		Daylight, Clear	C, C-9		5 1/8	750	1000
			23944-2	100A/1SBIF	115-125 120	2.20		I.F. Silvered Bowl(43)(64)	C, C-9		5 1/8	1000	1420
			31760-2	100A/1SBIF	130	120	2.70	I.F. Silvered Bowl(43)(64)	C, C-9		5 1/8	1000	1420
			23943-4	100A/1SB	115-125 120	2.48		Clear Silvered Bowl(43)(64)	C, C-9		5 1/8	1000	1420
			22344-6	100A/RS/VS	120	120	1.18	Rough & Vib. Serv., I.F.	C, C-17A		5 1/8	1000	1230
			20337-2	100A/RS/VS	125-130 120	1.40		Rough & Vib. Serv., I.F.	C, C-17A		5 1/8	1000	1230
			30006-1	100A/RH	12 Pk. 120	12	1.19	Rough House, I.F.	C, C-17A		5 1/8	1000	1230
			20327-3	100A/CL/RS/VS	120	120	1.11	Rough & Vib. Serv., Clear	C, C-17A		5 1/8	1000	1230
			20335-6	100A/CL/RS/VS	125-130 120	1.32		Rough & Vib. Serv., Clear	C, C-17A		5 1/8	1000	1230
	Med.		23609-1	100A21/SP/33	120	60	6.55	Spotlight(23)	C, C-5	3	4 1/8	200	1350
			23616-6	100A21/SP/33	125-130 60	7.90		Spotlight(23)	C, C-5	3	4 1/8	200	1350
			23611-7	100A21/4SP	120	120	8.30	Spotlight, Lt. I.F. Hard glass button	C, C-5		4 1/8	200	
			22333-9	100A21/TS	120	120	1.16	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	2000	1260
	Med.Pf.		22390-9	100A21/TS	130	120	1.38	Traffic Signal, Clear(12)	C, C-9	2 1/8	4 1/8	2000	1260
			22310-7	100A21P	120	120	5.55	Aviation-Airport Marker(12)	C, CC-2V	2 3/4	5 1/8	2000	
	A-23	Med. ▲	22430-3	100A23	120-130 120	1.22		Inside Frosted	C, CC-6		6 1/8	750	1650
			22404-8	100A23/20	115-125 120	1.93		Commercial Oven	C, C-9	4 3/8	6 1/8	1000	1530
			24597-7	100A/SB	120-130 120	2.35		Silvered Bowl, I.F.(43)	C, CC-6		6 1/8	750	
			22415-4	100A23/B	115-125 60	1.98		Blue	C, CC-6		6 1/8	750	
			22418-8	100A23/G	115-125 60	1.98		Green	C, CC-6		6 1/8	750	
			22414-7	100A23/O	115-125 60	1.98		Orange	C, CC-6		6 1/8	750	
			22422-0	100A23/R	115-125 60	1.98		Red	C, CC-6		6 1/8	750	
			22425-3	100A23/R2	115-125 60	1.98		Rose	C, CC-6		6 1/8	750	
			22426-1	100A23/Y	115-125 60	1.98		Yellow	C, CC-6		6 1/8	750	
	DC-17	Med. ▲ Ⓢ	34713-8	K100/W	24 Pk. 120	24	1.59	Super Bulb White (Krypton)	C, CC-8		4 1/8	3000	1470
	G-16 1/2	D.C.Bay.	23619-0	100G16 1/2/29DC	120	24	7.40	Spotlight(12)(25)	C, CC-13	1 3/8	3	200	1630
			23624-0	100G16 1/2/29DC	125-130 24	8.85		Spotlight(12)(25)	C, CC-13	1 3/8	3	200	1630
		S.C.Bay.	23629-9	100G16 1/2/29SC	120	24	7.40	Spotlight(12)(25)	C, CC-13	1 3/8	3	200	1630
			23633-1	100G16 1/2/29SC	125-130 24	8.85		Spotlight(12)(25)	C, CC-13	1 3/8	3	200	1630



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens		
<b>100</b> 	G-40	Med.	32200-8	<b>100G40/3</b>	120-130	24	3.35	Cameo Clear	C, C-9		6 1/8	2500	1260		
			35551-1	<b>100G40/3</b> 6 Pk.	120-130	6	3.45	Cameo Clear	C, C-9		6 1/8	2500	1260		
			32199-2	<b>100G40/3W</b>	120-130	24	3.70	Cameo White	C, C-9		6 1/8	2500	1075		
			35552-9	<b>100G40/3W</b> 6 Pk.	120-130	6	3.85	Cameo White	C, C-9		6 1/8	2500	1075		
	20467-7	<b>100PAR/FL</b>	125-130	12	5.95	★PAR Flood(29)	C, CC-6		4 3/8	2000	1250				
	36620-3	<b>100PAR/SP</b>	120	12	5.00	★PAR Spot(29)	C, CC-6		4 3/8	2000	1250				
	20468-5	<b>100PAR/SP</b>	125-130	12	5.95	★PAR Spot(29)	C, CC-6		4 3/8	2000	1250				
	32710-6	<b>100PAR/A</b> 6 Pk.	115-125	6	6.75	★PAR Amber	C, CC-6		5 3/8	2000					
	32695-9	<b>100PAR/B</b> 6 Pk.	115-125	6	6.75	★PAR Blue	C, CC-6		5 3/8	2000					
	32706-4	<b>100PAR/BW</b> 6 Pk.	115-125	6	6.75	★PAR Blue White	C, CC-6		5 3/8	2000					
	32697-5	<b>100PAR/G</b> 6 Pk.	115-126	6	6.75	★PAR Green	C, CC-6		5 3/8	2000					
	32703-1	<b>100PAR/PK</b> 6 Pk.	115-125	6	6.75	★PAR Pink	C, CC-6		5 3/8	2000					
	32681-9	<b>100PAR/R</b> 6 Pk.	115-125	6	6.75	★PAR Red	C, CC-6		5 3/8	2000					
	32692-6	<b>100PAR/Y</b> 6 Pk.	115-125	6	6.75	★PAR Yellow	C, CC-6		5 3/8	2000					
	23447-6	<b>100R/FL</b>	125-130	24	3.80	Flood(19)	C, CC-6		6 1/2	2000	1160				
	23439-3	<b>100R/SP</b>	120	24	3.20	Spot(19)	C, CC-6		6 1/2	2000	1160				
	23446-8	<b>100R/SP</b>	125-130	24	3.80	Spot(19)	C, CC-6		6 1/2	2000	1160				
	21796-8	<b>100T/WL</b> 24/2 PM	120	48	.83	Eye Saving White	C, CC-8		4 3/8	1000	1620				
	34648-6	<b>100T/WL/TP</b> 48/2	120	96	*79.68	Eye Saving White	C, CC-8		4 3/8	1000	1620				
	30073-1	<b>100T/PK</b> 12/2	115-125	24	1.05	Beauty Tone Pink	C, CC-8		4 3/8	1000					
	20488-3	<b>100T/Y</b> 12/2	115-125	24	1.05	Bug-A-Way Yellow	C, CC-8		4 3/8	1000					
	<b>100-200-300</b>	PS-25	3 Cont. Mog.	30513-6	<b>100/300/W</b> 12 Pk.	120	12	2.45	Soft White Three-Way	C, 2CC-6		6 1/8	1200	1350 3350 4700	
				21783-6	<b>100/300/W</b> 12 Pk. PM	120	12	2.45	Soft White Three-Way	C, 2CC-6		6 1/8	1200	1350 3350 4700	
	<b>100</b> 	A-21	Med.▲	29956-0	<b>100A</b>	230	120	1.38	Inside Frosted	C, C-7A		5 3/8	1000	1270	
				29955-2	<b>100A</b>	250	120	1.38	Inside Frosted	C, C-7A		5 3/8	1000	1270	
			29953-7	<b>100A/CL</b>	230	120	1.32	Clear	C, C-7A 3 3/8	5 3/8	1000	1270			
29954-5			<b>100A/CL</b>	250	120	1.32	Clear	C, C-7A 3 3/8	5 3/8	1000	1270				
29802-6			<b>100A/RS</b>	250	120	1.58	Rough Service, I.F.	C, C-17A		5 3/8	1000	1030			
24655-3			<b>100A/99IF</b>	250	120	1.49	Extended Service, I.F.	C, C-7A		5 3/8	2500	1065			
24661-1			<b>100A</b>	277	120	2.05	Mine, I.F.	C, C-7A		5 3/8	1000	1070			
24668-6			<b>100A</b>	300	120	2.05	Inside Frosted	C, C-7A		5 3/8	1000	1040			
24669-4			<b>100A/RS</b>	300	120	2.80	Rough Service, I.F.	C, C-17A		5 3/8	1000	860			
<b>101</b>			A-23	Med.	22473-3	<b>101A23</b>	125	120	2.30	I.F., Arc Resisting(13)	C, C-9		6 1/8	1500	1145
<b>107</b>			A-21	Med.	22477-4	<b>107A21/TS</b>	120	120	1.00	Traffic Signal, Clear(12)	C, C-9 2 1/8	4 3/8	3000	1260	
					22480-8	<b>107A21/TS</b>	130	120	1.24	Traffic Signal, Clear(12)	C, C-9 2 1/8	4 3/8	3000	1260	
<b>110</b>	R-30	Med.	23888-1	<b>110R30/RS</b>	120	60	4.95	Reflector Flood, Rough Service, I.F.	C, C-17		5 3/8	2000	1195		
			23890-7	<b>110R30/RS</b>	130	60	5.20	Reflector Flood, Rough Service, I.F.	C, C-17		5 3/8	2000	1195		
<b>116</b>	A-21	Med.	22483-2	<b>116A21/TS</b>	120	120	1.18	Traffic Signal, Clear(12)	C, C-9 2 1/8	4 3/8	8000	1260			
			22485-7	<b>116A21/TS</b>	130	120	1.40	Traffic Signal, Clear(12)	C, C-9 2 1/8	4 3/8	8000	1260			
<b>120</b>	ER-40	Med.▲	21562-4	<b>120ER40</b>	120	24	4.45	Elliptical Reflector	C, CC-6		7 3/8	2000			
			21565-7	<b>120ER40</b>	130	24	5.30	Elliptical Reflector	C, CC-6		7 3/8	2000			
	PAR-64	M.P.	36260-8	<b>120PAR64/VNSP</b>	6	8	27.80	★PAR Spotlight, Flat cover glass	C, C-6		4	2000			
<b>125</b>	G-16 1/2	D.C. Bay.	23634-9	<b>125G16 1/2 DC</b>	120	24	7.30	Spotlight(12)(25)	C, C-13B 1 1/2		3	600	1630		
		S.C. Bay.	23637-2	<b>125G16 1/2 SC</b>	120	24	7.30	Spotlight(12)(25)	C, C-13B 1 1/2		3	600	1630		
	G-30	Med.Skt.	23820-4	<b>125G30</b>	115-125	60	7.70	Infrared Indust.(11)(27)	C, C-11 5		7 3/8				








# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
125	R-40	Med. Skt.	23821-2	125R40	115-125	24	5.40	Infrared Indust.(11)(19)(27)	C, C-9		7¼		
	T-10	Med. Pf.	23640-6	125T10P	120	24	12.00	Spotlight(8)	C, C-13B	2 ⅝	5¾	500	1740
133	P-25	Med.	29215-1	133P25/TS	125	60	1.65	Traffic Signal, Clear(12)	C, C-9	3	4¾	3000	1800
			22489-9	133P25/TS	130	60	1.65	Traffic Signal, Clear(12)	C, C-9	3	4¾	3000	1800
135	A-23	Med. ▲	26856-5	135A/99IF	120	60	1.44	Econ-o-watt Ext. Serv., I.F.	C, CC-6		6 ⅞	2500	1990
			26865-6	135A/99IF	125-130	60	1.73	Econ-o-watt Ext. Serv., I.F.	C, CC-6		6 ⅞	2500	1990
	A-25	Med.	26831-8	135A25/35	120	60	1.61	Econ-o-watt Indus. Serv., I.F.	C, C-9		6 ⅞	3500	1790
			26836-7	135A25/35	125-130	60	1.95	Econ-o-watt Indus. Serv., I.F.	C, C-9		6 ⅞	3500	1790
150	PAR-38	Med. Side Prong	23328-8	150PAR38/FL	12	12	13.65	★PAR Flood, Anti-Vibration (55)(71)	C, C-6		4 ⅞	1000	
			38040-2	150PAR38	32	12	17.00	★PAR Anti-vibration (46)(55)(71)	C, CC-8		4 ⅞	1000	
	PAR-46	M-P.	23340-3	150PAR46/1	32	12	14.50	★PAR Headlight, Rounded Cover	C, CC-8		3 ⅞	1000	
			23341-1	150PAR46/3	32	12	14.50	★PAR Headlight	C, CC-6		3 ⅞	1000	
	A-21	Med. ▲	29693-9	150A	120	60	.97	Inside Frosted	C, CC-8		5 ⅞	750	2850
			30481-6	150A	125	60	1.07	Inside Frosted	C, CC-8		5 ⅞	750	2850
			30483-2	150A	130	60	1.16	Inside Frosted	C, CC-8		5 ⅞	750	2850
			39641-6	150A/CL	120	60	.91	Clear	C, CC-8	3 ⅞	5 ⅞	750	2850
			39611-9	150A/CL	130	60	1.08	Clear	C, CC-8	3 ⅞	5 ⅞	750	2850
			30517-7	150A/W 12 Pk.	120	12	1.01	Soft White	C, CC-8		5 ⅞	750	2800
			21765-3	150A/W 12 Pk. PM	120	12	1.01	Soft White	C, CC-8		5 ⅞	750	2800
			28416-6	150A/99IF	120	60	1.46	Extended Service, I.F.	C, CC-8		5 ⅞	2500	2350
			28452-1	150A/99IF	125-130	60	1.75	Extended Service, I.F.	C, CC-8		5 ⅞	2500	2350
			28455-4	150A/99CL	120	60	1.26	Extended Service, Clear	C, CC-8	4 ⅞	5 ⅞	2500	2350
			28457-0	150A/99CL	125-130	60	1.51	Extended Service, Clear	C, CC-8	4 ⅞	5 ⅞	2500	2350
	A-23	Med. ▲	22509-4	150A23	120	60	1.14	Inside Frosted	C, CC-6		6 ⅞	750	2740
			22529-2	150A23	130	60	1.37	Inside Frosted	C, CC-6		6 ⅞	750	2740
		Med. L.H.T.	22492-3	150A23/LHT	120	60	1.41	Inside Frosted	C, CC-6		6 ⅞	750	2740
			22494-9	150A23/LHT	130	60	1.67	Inside Frosted	C, CC-6		6 ⅞	750	2740
	Med. ▲	22506-0	150A23/CL	120	60	1.06	Clear	C, CC-6	4 ⅞	6 ⅞	750	2740	
		22526-8	150A23/CL	130	60	1.27	Clear	C, CC-6	4 ⅞	6 ⅞	750	2740	
		32253-7	150A/RS/VS	120	60	2.30	Rough & Vib. Serv., I.F.	C, C-17A		6 ⅞	1000	2100	
		32256-0	150A/RS/VS	125-130	60	2.75	Rough & Vib. Serv., I.F.	C, C-17A		6 ⅞	1000	2100	
	24968-0		150A/CL/RS/VS	120	60	2.40	Rough & Vib. Serv., Clear	C, C-17A	4 ⅞	6 ⅞	1000	2100	
			24939-1	150A/CL/RS/VS	125-130	60	2.90	Rough & Vib. Serv., Clear	C, C-17A	4 ⅞	6 ⅞	1000	2100
			33362-5	150A/35RS	120	60	3.95	Industrial Rough Serv., I.F.	C, C-17A		6 ⅞	3500	1770
			33363-3	150A/35RS	125-130	60	4.75	Industrial Rough Serv., I.F.	C, C-17A		6 ⅞	3500	1770
	22504-5		150A/4	115-125	60	1.12	I.F. Hi Temp. Base Cement	C, CC-6		6 ⅞	750	2740	
			22505-2	150A23/Y	115-125	24	1.89	Bug-A-Way Yellow	C, CC-6		6 ⅞	1000	
	A-25	Med.	39771-1	150A25/35	120	60	1.61	Industrial Service, I.F.	C, C-9		6 ⅞	3500	2150
			39810-7	150A25/35	125-130	60	1.96	Industrial Service, I.F.	C, C-9		6 ⅞	3500	2150
	G-40	Med. ▲	36486-9	150G40/3 6 Pk.	120-130	6	3.45	Cameo Clear	C, C-9		6 ⅞	2500	2250
			36484-4	150G40/3W 6 Pk.	120-130	6	3.85	Cameo White	C, C-9		6 ⅞	2500	1910
	P-25	Med.	23653-9	150P25/2	120	60	6.95	Spotlight, Clear(23)	C, C-5		4¾	200	2100
			23654-7	150P25/10	120	60	7.30	Spotlight, Light I.F.(23)	C, C-5	3	4¾	200	2100
			23658-8	150P25/10	125-130	60	8.75	Spotlight, Light I.F.(23)	C, C-5	3	4¾	200	2100
			22534-2	150P25/15	120	60	6.60	Headlight, Clear(12)	C, C-5	3	4¾	500	1940
	PAR-38	Med. Skt.	23290-0	150PAR/FL	120	12	5.00	★PAR Flood(29)(30)(31)	C, CC-6		5 ⅞	2000	1730
			29905-7	150PAR/FL 6 Pk.	120	6	5.20	★PAR Flood(29)(30)(31)	C, CC-6		5 ⅞	2000	1730
			23319-7	150PAR/FL	125-130	12	5.95	★PAR Flood(29)(30)(31)	C, CC-6		5 ⅞	2000	1730
			23402-1	K150PAR/FL	120	12	9.75	★PAR Flood (Krypton)(31)	C, CC-6		5 ⅞	4000	1660
			23407-0	K150PAR/FL	125-130	12	11.85	★PAR Flood (Krypton)(31)	C, CC-6		5 ⅞	4000	1660
			38540-1	150PAR/WFL	120	12	5.00	★PAR Wide Flood(29)(31)	C, CC-6		5 ⅞	2000	1730
			29921-4	150PAR/WFL 6 Pk.	120	6	5.20	★PAR Wide Flood(29)(31)	C, CC-6		5 ⅞	2000	1730
			38782-9	150PAR/WFL	125-130	12	5.95	★PAR Wide Flood(29)(31)	C, CC-6		5 ⅞	2000	1730
			36365-5	150PAR38/2FL	120	12	13.75	★PAR Low-Temp Flood(9)(31)(52)	C, CC-6		5 ⅞	2000	1730
			36534-6	150PAR38/2FL	125-130	12	16.50	★PAR Low-Temp Flood(9)(31)(52)	C, CC-6		5 ⅞	2000	1730





# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>150</b>	PAR-38	Med. Skt. 	36336-6	150PAR38/2WFL	120	12	13.95	★PAR Low-Temp Wide Flood(9)(31)(52)	C, CC-6		5 7/8	2000	1730
			20142-6	150PAR38/2WFL	125-130	12	15.10	★PAR Low-Temp Wide Flood(9)(31)(52)	C, CC-6		5 7/8	2000	1730
		Med. Side Prong	23331-2	150PAR/3FL	115-125	12	6.55	★PAR Flood(30)(32)	C, CC-6		4 7/8	2000	1730
			23336-1	150PAR/3FL	130	12	7.75	★PAR Flood(30)(32)	C, CC-6		4 7/8	2000	1730
			23334-6	150PAR/4FL	120-130	12	13.25	★PAR Flood, Anti-vibration(32)(71)	C, C-13		4 7/8	2000	
		Med. Skt.	23315-5	150PAR/5FL	120-130	12	12.75	★PAR Flood, Anti-vibration(31)	C, C-13		5 7/8	2000	
			23284-3	150PAR/SP	120	12	5.00	★PAR Spotlight(29)(30)(31)	C, CC-6		5 7/8	2000	1730
			29907-3	150PAR/SP 6 Pk.	120	6	5.20	★PAR Spotlight(29)(30)(31)	C, CC-6		5 7/8	2000	1730
			23316-3	150PAR/SP	125-130	12	5.95	★PAR Spotlight(29)(30)(31)	C, CC-6		5 7/8	2000	1730
			23408-8	K150PAR/SP	120	12	9.75	★PAR Spotlight (Krypton)(31)	C, CC-6		5 7/8	4000	1660
			23412-0	K150PAR/SP	125-130	12	11.85	★PAR Spotlight (Krypton)(31)	C, CC-6		5 7/8	4000	1660
			36366-3	150PAR38/2SP	120	12	13.75	★PAR Low-Temp Spot(9)(31)(52)	C, CC-6		5 7/8	2000	1730
			38002-2	150PAR38/2SP	125-130	12	16.50	★PAR Low-Temp Spot(9)(31)(52)	C, CC-6		5 7/8	2000	1730
		Med. Side Prong	23329-6	150PAR/3SP	115-125	12	6.55	★PAR Spotlight(30)(32)	C, CC-6		4 7/8	2000	1730
			23335-3	150PAR/3SP	130	12	7.75	★PAR Spotlight(30)(32)	C, CC-6		4 7/8	2000	1730
	PAR-46	M-P	23345-2	150PAR46	120-130	12	16.25	★PAR Mine Locomotive Headlight(33)	C, C-13		3 7/8	1000	
	PS-25	Med. ▲ 	22568-0	150	120	60	1.46	Inside Frosted	C, C-9		6 1/8	750	2650
			22612-6	150	130	60	1.75	Inside Frosted	C, C-9		6 1/8	750	2650
			22557-3	150/CL	120	60	1.25	Clear	C, C-9	5 1/4	6 1/8	750	2650
			22597-9	150/CL	130	60	1.50	Clear	C, C-9	5 1/4	6 1/8	750	2650
			22574-8	150PS25/99IF	120	60	1.40	Extended Service, I.F.	C, C-9		6 1/8	2500	2300
			22617-5	150PS25/99IF	125-130	60	1.69	Extended Service, I.F.	C, C-9		6 1/8	2500	2300
			22562-3	150PS25/99CL	120	60	1.25	Extended Service, Clear	C, C-9	5 1/4	6 1/8	2500	2300
			22604-3	150PS25/99CL	125-130	60	1.53	Extended Service, Clear	C, C-9	5 1/4	6 1/8	2500	2300
			22548-2	150/D	115-125	60	2.80	Daylight, I.F.	C, C-9		6 1/8	1000	
			22543-3	150/DCL	115-125	60	2.62	Daylight, Clear	C, C-9	5 1/4	6 1/8	1000	
	PS-30	Med. ▲	23949-1	150/SB	120	60	2.50	Silvered Bowl, I.F.(31)(43)	C, C-9		6 1/8	1000	2250
			23952-5	150/SB	125-130	60	3.05	Silvered Bowl, I.F.(31)(43)	C, C-9		6 1/8	1000	2250
			22550-8	150/WB	115-125	60	2.02	White Bowl	C, C-9		6 1/8	750	2500
	PS-30	Med. ▲	20437-0	150PS30	130	60	1.90	Inside Frosted	C, C-9		8 1/8	750	2400
	R-40	Med. ▲ 	23474-0	150R/FL	120	24	3.40	Reflector Flood(9)(19)(36)	C, CC-6		6 1/2	2000	1900
			29891-9	150R/FL 6 Pk.	120	6	3.60	Reflector Flood(9)(19)(36)	C, CC-6		6 1/2	2000	1900
			23494-8	150R/FL	125-130	24	4.00	Reflector Flood(9)(19)(36)	C, CC-6		6 1/2	2000	1900
			23478-1	150R/2FL	120	24	5.10	Reflector Flood, Hi-Temp. Base Cement(9)(19)(31)	C, CC-6		6 1/2	2000	1900
			23480-7	150R/3FL	120	24	8.50	★Reflector Flood(31)	C, CC-6		6 7/8	2000	1900
			23498-9	150R/3FL	125-130	24	10.35	★Reflector Flood(31)	C, CC-6		6 7/8	2000	1900
			34838-3	150R/FL/4M	120	24	5.75	Reflector Flood(9)(19)	C, CC-6		6 1/2	4000	1580
			34849-0	150R/FL/4M	125-130	24	6.95	Reflector Flood(9)(19)	C, CC-6		6 1/2	4000	1580
			23470-8	150R/SP	120	24	3.40	Reflector Spot(9)(19)(36)	C, CC-6		6 1/2	2000	1900
			29884-4	150R/SP 6 Pk.	120	6	3.60	Reflector Spot(9)(19)(36)	C, CC-6		6 1/2	2000	1900
			23491-4	150R/SP	125-130	24	4.00	Reflector Spot(9)(19)(36)	C, CC-6		6 1/2	2000	1900
	T-19	Med. ▲ 	27191-6	150R/B	115-125	24	5.70	Blue(9)(19)	C, CC-6		6 1/2	2000	
			29892-7	150R/B 6 Pk.	115-125	6	5.90	Blue(9)(19)	C, CC-6		6 1/2	2000	
			27198-1	150R/G	115-125	24	5.70	Green(9)(19)	C, CC-6		6 1/2	2000	
			29893-5	150R/G 6 Pk.	115-125	6	5.90	Green(9)(19)	C, CC-6		6 1/2	2000	
			27210-4	150R/PK	115-125	24	5.70	Pink(9)(19)	C, CC-6		6 1/2	2000	
			29898-4	150R/PK 6 Pk.	115-125	6	5.90	Pink(9)(19)	C, CC-6		6 1/2	2000	
			27230-2	150R/R	115-125	24	5.70	Red(9)(19)	C, CC-6		6 1/2	2000	
			29896-8	150R/R 6 Pk.	115-125	6	5.90	Red(9)(19)	C, CC-6		6 1/2	2000	
			27300-3	150R/Y	115-125	24	5.70	Yellow(9)(19)	C, CC-6		6 1/2	2000	
			29897-6	150R/Y 6 Pk.	115-125	6	5.90	Yellow(9)(19)	C, CC-6		6 1/2	2000	
			35607-1	150R/AGRO 6 Pk.	120	6	5.05	Agro-Lite Plant Light(9)(19)	C, CC-6		6 1/2	2000	
	T-19	Med. ▲ 	30540-9	150T/WL 12 Pk.	120	12	1.12	Eye Saving White	C, CC-8		5 7/8	1000	2650
			21806-5	150T/WL 12 Pk. PM	120	12	1.12	Eye Saving White	C, CC-8		5 7/8	1000	2650



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>150</b>	G-30	3Ct. Mog.	23649-7	150/150G30/32	115-125	60	25.85	Hospital Spotlight(8)(38)	C, C-5 C-9	3 3/8	5 1/8	200	2150 2650
	PS-35	3Ct. Mog.	23659-6	150/400	115-125	24	8.05	Hospital, I.F.	C, 2C-7A		9 3/8	200	
	PS-25	Med. ▲	24679-3	150PS25/IF	230	60	2.50	Inside Frosted	C, C-7A		6 1/8	1000	2150
			24685-0	150PS25/IF	250	60	2.50	Inside Frosted	C, C-7A		6 1/8	1000	2100
			24674-4	150PS25	230	60	2.35	Clear	C, C-7A		6 1/8	1000	2150
			24682-7	150PS25	250	60	2.35	Clear	C, C-7A		6 1/8	1000	2100
			24689-2	150PS25	277	60	2.62	Clear	C, C-7A		6 1/8	1000	1875
			24687-6	150PS25/99IF	250	60	2.43	Extended Service, I.F.	C, C-7A		6 1/8	2500	1840
			24684-3	150PS25/99CL	250	60	3.45	Extended Service, I.F.	C, C-7A		6 1/8	2500	1840
			28412-5	150PS25/RFL	230-250	60	3.10	Reflector, Clear	C, C-7A		6 1/8	1000	
<b>199</b>	PAR-56	Mog. End Prong	23347-8	199PAR56/6.6	6.6A	8	15.10	★PAR Aviation-Airport Approach, Lens cover(55)	C, C-13		5	75	4800
<b>200</b>	PAR-56	M-P	23371-8	200PAR	30	8	13.75	★PAR Headlight(10)	C, CC-8		4 1/2	500	
			23373-4	200PAR	32	8	13.95	★PAR Headlight(10)	C, CC-8		4 1/2	500	
	PS-30	Med. ▲	24397-2	200	32	60	4.45	Clear	C, C-6		8 1/8	1000	3800
	A-23	Med. ▲	36289-7	200A	120	60	1.24	Inside Frosted	C, CC-8		6 1/8	750	3900
			36291-3	200A	125-130	60	1.49	Inside Frosted	C, CC-8		6 1/8	750	3900
			39642-4	200A/CL	120	60	1.08	Clear	C, CC-6	4 3/8	6 1/8	750	3900
			39995-6	200A/CL	125-130	60	1.30	Clear	C, CC-6	4 3/8	6 1/8	750	3900
			30537-5	200A/W 12 Pk.	120	12	1.30	Soft White	C, CC-8		6 1/8	750	3750
			21767-9	200A/W 12 Pk. PM	120	12	1.30	Soft White	C, CC-8		6 1/8	750	3750
			32447-5	200A/99IF	120	60	1.88	Extended Service, I.F.	C, CC-6		6 1/8	2500	3250
			32451-7	200A/99IF	125-130	60	2.10	Extended Service, I.F.	C, CC-6		6 1/8	2500	3250
			32373-3	200A/99	120	60	1.60	Extended Service, Clear	C, CC-6	4 3/8	6 1/8	2500	3250
			32383-2	200A/99	125-130	60	1.85	Extended Service, Clear	C, CC-6	4 3/8	6 1/8	2500	3250
	A-25	Med. ▲	22656-3	200A25	120	60	1.28	Inside Frosted	C, CC-6		6 1/8	750	3800
			22674-6	200A25	130	60	1.50	Inside Frosted	C, CC-6		6 1/8	750	3800
			22652-2	200A25/CL	120	60	1.28	Clear	C, CC-6	5 1/4	6 1/8	750	3800
			22670-4	200A25/CL	130	60	1.53	Clear	C, CC-6	5 1/4	6 1/8	750	3800
		Med. 	39761-2	200A25/35	120	60	1.96	Industrial Service, I.F.	C, C-9		6 1/8	3500	2890
			39813-1	200A25/35	125-130	60	2.55	Industrial Service, I.F.	C, C-9		6 1/8	3500	2890
		Med.	22645-6	200P25/26	115-125	60	9.95	X-Ray Illuminator, Daylight, I.F.	C, C-7A		4 3/4	100	
	PAR-46	Med. Side Prong	23349-4	200PAR46/3MFL	120	12	13.50	★PAR Medium Flood(9)(32)	C, CC-13		4	2000	2250
			23357-7	200PAR46/3MFL	125-130	12	16.25	★PAR Medium Flood(9)(32)	C, CC-13		4	2000	2250
			23351-0	200PAR46/3NSP	120	12	13.50	★PAR Narrow Spot(9)(32)	C, CC-13		4	2000	2250
			23359-3	200PAR46/3NSP	125-130	12	16.25	★PAR Narrow Spot(9)(32)	C, CC-13		4	2000	2250
	PAR-56	Mog. End Prong	21982-4	200PAR56/MFL	125-130	8	16.50	★PAR Medium Flood (44)(45)(50)	C, CC-13		5	2000	2700
			29917-2	200PAR56/NSP	125-130	8	16.50	★PAR Narrow Spot (44)(45)(46)(50)	C, CC-13		5	2000	2700
	PS-30	Med. ▲	22708-2	200/IF	120	60	1.65	Inside Frosted	C, C-9		8 1/8	750	3710
			22721-5	200/IF	125	60	1.82	Inside Frosted	C, C-9		8 1/8	750	3710
			22735-5	200/IF	130	60	1.98	Inside Frosted	C, C-9		8 1/8	750	3710
			22701-7	200	120	60	1.43	Clear	C, C-9	6	8 1/8	750	3710
			22714-0	200	125	60	1.58	Clear	C, C-9	6	8 1/8	750	3710
			22729-8	200	130	60	1.72	Clear	C, C-9	6	8 1/8	750	3710
			22707-4	200/99IF	120	60	2.05	Extended Service, I.F.	C, C-9		8 1/8	2500	3200
			22737-1	200/99IF	125-130	60	2.45	Extended Service, I.F.	C, C-9		8 1/8	2500	3200
			22703-3	200/99	120	60	1.76	Extended Service, Clear	C, C-9	6	8 1/8	2500	3200
			22731-4	200/99	125-130	60	2.10	Extended Service, Clear	C, C-9	6	8 1/8	2500	3200
			22690-2	200/D	115-125	60	3.25	Daylight, Clear	C, C-9	6	8 1/8	1000	2280
			23956-6	200/SBIF	120	60	3.05	Silvered Bowl, I.F.(31)(43)	C, C-9		8 1/8	1000	3320
			23958-2	200/SBIF	125-130	60	3.65	Silvered Bowl, I.F.(31)(43)	C, C-9		8 1/8	1000	3320
			22696-9	200/WB	115-125	60	2.91	White Bowl	C, C-9		8 1/8	1000	




# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
<b>200</b>	PS-30	Mog.	22747-0	200PS30/12IF	120	60	2.13	Inside Frosted	C, C-9		8 1/16	750	3700
			22024-4	200PS30/12IF	125-130	60	2.37	Inside Frosted	C, C-9		8 1/16	750	3700
			22746-2	200PS30/12	120	60	1.93	Clear	C, C-9	6 3/8	8 1/16	750	3700
			22751-2	200PS30/12	125-130	60	2.30	Clear	C, C-9	6 3/8	8 1/16	750	3700
			22704-1	200PS30/23	120	60	2.50	Rough Service, I.F.	C, C-9		8 1/16	1000	3500
	PS-30	Med.▲	22732-2	200PS30/23	125-130	60	3.00	Rough Service, I.F.	C, C-9		8 1/16	1000	3500
			22698-5	200PS30/24	120	60	2.30	Rough Service, Clear	C, C-9	6	8 1/16	1000	3500
			22726-4	200PS30/24	125-130	60	2.75	Rough Service, Clear	C, C-9	6	8 1/16	1000	3500
			35635-2	200R30/HR	115-125	8	7.50	★Heat Ray, Red Bowl(27)(31)	C, C-9		5 1/8		
			23510-1	200R/FL	120	24	4.60	Reflector Flood(9)(19)(31)	C, C-9		6 1/2	2000	2050
	R-30	Med.▲	23519-2	200R/FL	125-130	24	5.50	Reflector Flood(9)(19)(31)	C, C-9		6 1/2	2000	2050
			23513-5	200R40/RS	120	24	5.30	Reflector Flood, Rough Service(9)(19)(31)	C, C-9		6 1/2	1000	2700
	T-21	Med.▲	32358-4	200T/WL 12 Pk.	120	12	1.39	Eye Saving White	C, CC-8		6 3/16	1000	3600
			21815-6	200T/WL 12 Pk. PM	120	12	1.39	Eye Saving White	C, CC-8		6 3/16	1000	3600
	PS-25	Med.▲	34961-3	200/IF	230	60	1.85	Inside Frosted	C, C-7A		6 3/16	1000	3000
			34974-6	200/IF	250	60	2.20	Inside Frosted	C, C-7A		6 3/16	1000	3000
			34960-5	200	230	60	1.92	Clear	C, C-7A	5 1/4	6 3/16	1000	3000
			34965-4	200	250	60	1.92	Clear	C, C-7A	5 1/4	6 3/16	1000	3000
			36116-2	200/99IF	250	60	2.60	Extended Service, I.F.	C, C-7A		6 3/16	2500	2650
			36117-0	200/99	250	60	2.38	Extended Service, Clear	C, C-7A		6 3/16	2500	2650
	PS-30	Med.▲	24722-1	200PS30/RS/IF	250	60	3.30	Rough Service, I.F.	C, C-9		8 1/16	1000	2850
			24717-1	200PS30/RS	250	60	3.10	Rough Service, Clear	C, C-9	6	8 1/16	1000	2850
			30174-7	200PS30/99IF	250	60	2.79	Extended Service, I.F.	C, C-9		8 1/16	2500	2650
	PS-25	Med.▲	34982-9	200/IF	300	60	2.44	Inside Frosted	C, C-7A		6 3/16	1000	2600
			34976-1	200	277	60	2.40	Mine, Clear	C, C-7A	5 1/4	6 3/16	1000	2650
			34979-5	200	300	60	2.40	Mine, Clear	C, C-7A	5 1/4	6 3/16	1000	2600
<b>201</b>	PS-30	Med.	22757-9	201PS30	125	60	2.44	Arc-resisting, Clear	C, C-9	6	8 1/16	1000	
<b>250</b>	P-25	Med.	24409-5	250P25	32	60	6.80	Headlight(12)(22)	C, C-5A	3	4 3/4	500	4500
		Med.Pf.	24406-1	250P25/22	32	60	9.20	Headlight(12)(22)	C, C-5A	2 1/8	5	500	4500
	A-21	Med.▲	22763-7	250A21/60	115-125	120	25.00	Purple X-Black Light(31)(41)	C, C-9	3 3/8	4 1/8	50	
	G-30	Med.Skt.	23822-0	250G30	115-125	60	5.50	Infrared, Indust.(11)(27)(31)	C, C-11	5	7 1/8		
	P-25	Med.	22766-0	250P25	120	60	9.90	Headlight (12)(22)	C, C-5	3	4 3/4	500	3750
			23679-4	250P25/FL	120	60	9.90	Flood(12)(22)	C, C-5	3	4 3/4	800	3750
			23682-8	250P25/SP	120	60	9.90	Spot(12)(22)	C, C-5	3	4 3/4	200	4425
			32239-6	K250PAR38/FL	120	12	11.55	★PAR Floodlight (Krypton)(31)(53)	C, CC-6		5 1/8	4000	3100
	PAR-38	Med. Skt.	28348-1	K250PAR38/FL	125-130	12	13.75	★PAR Floodlight (Krypton)(31)(53)	C, CC-6		5 1/8	4000	3100
			32240-4	K250PAR38/SP	120	12	11.55	★PAR Spotlight (Krypton)(31)(53)	C, CC-6		5 1/8	4000	3100
			28349-9	K250PAR38/SP	125-130	12	13.75	★PAR Spotlight (Krypton)(31)(53)	C, CC-6		5 1/8	4000	3100
	R-38	Med.	32241-2	250KR38/FL	120-130	12	14.40	★Floodlight (Krypton)(31)	C, CC-6		5 3/4	4000	3200
			32242-0	250KR38/SP	120-130	12	14.40	★Spotlight (Krypton)(31)	C, CC-6		5 3/4	4000	3200
	R-40	Med.▲	23829-5	250R40/HR	115-125	12	8.10	★Heat Ray, Red Bowl	C, C-9		6 7/8	(27)	
			23831-1	250R40/HR/1	115-125	12	8.10	★Reflector Infrared Industrial Red Bowl	C, C-9		6 7/8	(27)	
			20089-9	250R40/1 6 Pk.	115-125	6	4.25	Reflector Infrared, Lt. I.F.(19)	C, C-9		6 1/2	(27)	
			23827-9	250R40/1	115-125	24	4.05	Reflector Infrared, Lt. I.F.(19)	C, C-9		6 1/2	(27)	
		Med.Skt.	23832-9	250R40/3	115-125	24	3.95	Reflector Infrared, Brooder-Lite(19)	C, C-9		6 1/2	(27)	
			23825-3	250R40/4	115-125	24	5.25	Reflector Infrared, Industrial, Lt.I.F.(19)(31)	C, C-9		7 1/4	(27)	
			23824-6	250R40/5	115-125	24	7.35	★Reflector Infrared, Industrial, Lt.I.F.	C, C-9		7 3/8	(27)	
	T-14	Med.	22771-0	250T14/1	120	24	12.25	Lighthouse	C, C-5	3	5 1/2	800	3750
	T-20	Med.Pf.	23693-5	250T20/47	120	12	20.00	★Spotlight(12)	C, C-13	2 1/8	5 3/4	200	4600


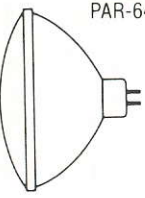


# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>275</b>	R-40	Med.▲	36739-1	275R40/HR/1	230-250	12	13.35	★Reflector Infrared, Industrial-Red Bowl(31)(76)	C, C-7A		6 7/8	(27)	
<b>300</b>	P-25	Med. Pf.	24418-6	300P25P	60	60	15.50	Headlight	C, C-5	2 3/8	5	500	5400
	PAR-56	Mog. End Prong	23382-5	300PAR56/MFL	120	8	13.75	★PAR Medium Flood(9)(55)	C, CC-13		5	2000	3720
			23405-4	300PAR56/MFL	125-130	8	16.50	★PAR Medium Flood(9)(55)	C, CC-13		5	2000	3720
			23388-2	300PAR56/WFL	120	8	13.75	★PAR Wide Flood(9)(55)	C, CC-13		5	2000	3720
			23410-4	300PAR56/WFL	125-130	8	16.50	★PAR Wide Flood(9)(55)	C, CC-13		5	2000	3720
		Ext. Mog. End Prong	36246-7	300PAR56/2MFL	120	8	27.00	★PAR Low-Temp Medium Flood(9)(52)(55)	C, CC-13		5 3/4	2000	3720
			35772-3	300PAR56/2MFL	125-130	8	32.50	★PAR Low-Temp Medium Flood(9)(52)(55)	C, CC-13		5 3/4	2000	3720
			36245-9	300PAR56/2WFL	120	8	27.00	★PAR Low-Temp Wide Flood(9)(52)(55)	C, CC-13		5 3/4	2000	3720
			31669-5	300PAR56/2WFL	125-130	8	32.50	★PAR Low-Temp Wide Flood(9)(52)(55)	C, CC-13		5 3/4	2000	3720
		Mog. End Prong	23378-3	300PAR56/NSP	120	8	13.75	★PAR Narrow Spotlight (9)(46)(55)	C, CC-13		5	2000	3720
			23400-5	300PAR56/NSP	125-130	8	16.50	★PAR Narrow Spotlight (9)(46)(55)	C, CC-13		5	2000	3720
		Ext. Mog. End Prong	36247-5	300PAR56/2NSP	120	8	27.00	★PAR Low Temp Narrow Spot(9)(52)(55)	C, CC-13		5 3/4	2000	3720
	PS-25	Med.▲	37154-2	300M/IF	120	60	1.86	Inside Frosted	C, CC-8		6 1/8	750	6300
			30543-3	300M/IF 12 Pk.	120	12	1.86	Inside Frosted	C, CC-8		6 1/8	750	6300
			37156-7	300M/IF	130	60	2.25	Inside Frosted	C, CC-8		6 1/8	750	6300
			37151-8	300M	120	60	1.63	Clear	C, CC-8	5 1/4	6 1/8	750	6300
			37153-4	300M	130	60	1.96	Clear	C, CC-8	5 1/4	6 1/8	750	6300
			35008-2	300M/99IF	120	60	2.30	Extended Service, I.F.	C, CC-8		6 1/8	2500	5060
			35009-0	300M/99IF	125-130	60	2.75	Extended Service, I.F.	C, CC-8		6 1/8	2500	5060
			35006-6	300M/99	120	60	1.99	Extended Service, Clear	C, CC-8	5 1/4	6 1/8	2500	5060
			35007-4	300M/99	125-130	60	2.35	Extended Service, Clear	C, CC-8	5 1/4	6 1/8	2500	5060
	PS-30	Med.▲	22783-5	300M/PS30IF	120	60	1.95	Inside Frosted	C, C-9		8 1/8	750	6100
			22808-0	300M/PS30IF	130	60	2.35	Inside Frosted	C, C-9		8 1/8	750	6100
			22779-3	300M/PS30	120	60	1.65	Clear	C, C-9	6	8 1/8	750	6100
			22802-3	300M/PS30	130	60	2.12	Clear	C, C-9	6	8 1/8	750	6100
		Med. 	39767-9	300M/PS30/35	120	60	2.55	Industrial Service, I.F.	C, C-9		8 1/8	3500	4880
			39798-4	300M/PS30/35	125-130	60	3.10	Industrial Service, I.F.	C, C-9		8 1/8	3500	4880
		Mog.▲	22820-5	300/2IF	120	24	2.24	Inside Frosted	C, CC-8		8 3/8	1000	6000
			22833-8	300/2IF	130	24	2.70	Inside Frosted	C, CC-8		8 3/8	1000	6000
			22816-3	300/2	120	24	2.24	Clear	C, CC-8	7	8 3/8	1000	6000
			22829-6	300/2	130	24	2.70	Clear	C, CC-8	7	8 3/8	1000	6000
		Mog.	39658-0	300RS/IF	120	24	4.35	Rough Service, I.F.	C, C-9		8 3/8	1000	5250
			39450-2	300/RS	120	24	4.25	Rough Service, Clear	C, C-9	7	8 3/8	1000	5250
			39661-4	300/RS	125-130	24	5.15	Rough Service, Clear	C, C-9	7	8 3/8	1000	5250
	PS-35	Mog.▲	22869-2	300/IF	120	24	2.30	Inside Frosted	C, C-9		9 3/8	1000	5700
			22883-3	300/IF	125	24	2.50	Inside Frosted	C, C-9		9 3/8	1000	5700
			22897-3	300/IF	130	24	2.75	Inside Frosted	C, C-9		9 3/8	1000	5700
			22862-7	300	120	24	2.10	Clear	C, C-9	7	9 3/8	1000	5700
			22889-0	300	130	24	2.50	Clear	C, C-9	7	9 3/8	1000	5700
		Mog.	22870-0	300/99IF	120	24	2.70	Extended Service, I.F.	C, C-9		9 3/8	2500	5200
			22898-1	300/99IF	125-130	24	3.25	Extended Service, I.F.	C, C-9		9 3/8	2500	5200
			22865-0	300/99	120	24	2.30	Extended Service, Clear	C, C-9	7	9 3/8	2500	5200
			22890-8	300/99	125-130	24	2.75	Extended Service, Clear	C, C-9	7	9 3/8	2500	5200
			39770-3	300PS35/35	120	24	3.05	Industrial Service, I.F.	C, C-9		9 3/8	3500	4930
			39800-8	300PS35/35	125-130	24	3.85	Industrial Service, I.F.	C, C-9		9 3/8	3500	4930
		Mog.▲	23966-5	300/SBIF	120	24	4.20	Silvered Bowl, I.F.(31)(43)	C, C-9		9 3/8	1000	5400
			23970-7	300/SBIF	125-130	24	5.10	Silvered Bowl, I.F.(31)(43)	C, C-9		9 3/8	1000	5400
		Med. Skt.	23960-8	300MS/SBIF	115-125	24	5.30	Silvered Bowl, I.F.(31)(43)	C, C-9		9 3/8	1000	5400
			23961-6	300MS/SBIF	130	24	6.40	Silvered Bowl, I.F.(31)(43)	C, C-9		9 3/8	1000	5400
		Mog.▲	23964-0	300/SBIF/1	115-125	24	4.65	Semi-Silvered Bowl, I.F. (14)(31)(75)	C, C-9		9 3/8	1000	5400
			22858-5	300/WB	115-125	24	4.05	White Bowl	C, C-9		9 3/8	1000	5400



# Incandescent Lamps

			NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price		Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Approximate Initial Lumens
<b>300</b> 	R-40	Med.▲	23530-9	300R/FL	120	24	4.85	Reflector Flood (9)(19)(31)(37)(48)	C, CC-11		6½	2000	3600
			23545-7	300R/FL	125-130	24	5.85	Reflector Flood (9)(19)(31)(37)(48)	C, CC-11		6½	2000	3600
			23533-3	300R/FL/1	120	24	8.70	★Reflector Flood (31)(37)(51)	C, CC-11		6¾	2000	3600
			23547-3	300R/FL/1	125-130	24	10.50	★Reflector Flood (31)(37)(51)	C, CC-11		6¾	2000	3600
		Mog.	23551-5	300R/3FL	120	24	9.40	★Reflector Flood (51)	C, CC-11		7¼	2000	3600
			23557-2	300R/3FL	125-130	24	11.25	★Reflector Flood (51)	C, CC-11		7¼	2000	3600
		Med.▲	23526-7	300R/SP	120	24	4.85	Reflector Spot (9)(19)(31)(37)(48)	C, CC-11		6½	2000	3600
			23542-4	300R/SP	125-130	24	5.85	Reflector Spot (9)(19)(31)(37)(48)	C, CC-11		6½	2000	3600
	23529-1		300R/SP/1	120	24	10.40	★Reflector Spot (31)(37)(51)	C, CC-11		6¾	2000	3600	
	Mog.	23550-7	300R/3SP	120	24	8.60	★Reflector Spot (51)	C, CC-11		7¼	2000	3600	
	T-20	Med.Bip.	22904-7	300T20/1	120	12	26.25	★I.F.-Base Up(77)	C, C-13	4	6½	1000	5000
			22907-0	300T20/1	130	12	31.50	★I.F.-Base Up(77)	C, C-13	4	6½	1000	5000
	PS-30	Med.▲	24740-3	300M/1	250	60	2.55	Clear	C, C-7A	6	8½	1000	4800
			20835-5	300M/1	277	60	3.15	Clear	C, C-7A	6	8½	1000	4300
	PS-35	Mog.▲	24750-2	300/IF	230	24	3.65	Inside Frosted	C, C-7A		9¾	1000	4800
			24757-7	300/IF	250	24	3.65	Inside Frosted	C, C-7A		9¾	1000	4800
			24745-2	300	230	24	3.20	Clear	C, C-7A	7	9¾	1000	4800
			24754-4	300	250	24	3.20	Clear	C, C-7A	7	9¾	1000	4800
		Mog.	31844-4	300/99IF	250	24	4.02	Extended Service, I.F.	C, C-7A		9¾	2500	4400
			24756-9	300/99	250	24	3.85	Extended Service, Clear	C, C-7A	7	9¾	2500	4400
		Mog.▲	24759-3	300	277	24	4.25	Clear	C, C-7A	7	9¾	1000	4300
			R-40	Mog.	31013-6	300R/3FL	230	24	13.75	★Reflector Flood(19)	C, C-7A		7¼
	24760-1	300R/3FL			250	24	13.75	★Reflector Flood(19)	C, C-7A			2000	3100
<b>301</b>	PS-35	Mog.	22909-6	301PS35	125	24	3.75	Arc Resisting, Clear	C, C-9	7	9¾	1000	4900
<b>375</b>	G-30	Med.Skt.	23837-8	375G30	115-125	60	5.10	Infrared, Indus.(11)(27)(31)	C, C-7A	5	7¾		
	R-40	Med.Skt.	23838-6	375R40	115-125	24	6.55	Reflector Infrared, Ind. Lt. I.F.(11)(19)(27)(31)	C, C-7A		7¼		
			23840-2	375R40/1	115-125	24	9.00	★Reflector Infrared, Ind. Lt. I.F.(11)(27)(31)	C, C-7A		7¾		
<b>400</b>	G-30	Med.	23699-2	400G/FL	120	60	10.00	Floodlight(12)(22)	C, C-5	3	5½	800	6760
			23704-0	400G/FL	130	60	10.50	Floodlight(12)(22)	C, C-5	3	5½	800	6760
			23697-6	400G/SP	120	60	10.00	Spotlight(12)(22)	C, C-5	3	5½	200	8000
<b>500</b> 	G-30	Med.Skt.	23843-6	500G30/1	115-125	60	11.25	Infrared, Indus.(11)(27)(31)	C, C-7A	5	7¾		
	G-40	Mog.	23712-3	500G/FL	120	24	15.00	Floodlight(12)(22)	C, C-5	4¼	7¾	800	8800
	PAR-64	Ext. Mog. End Prong	23417-9	500PAR64/MFL	120	8	32.00	★PAR Med. Flood(9)(55)	C, CC-13		6	2000	3500
			23421-1	500PAR64/MFL	125-130	8	38.25	★PAR Med. Flood(9)(55)	C, CC-13		6	2000	6500
			23418-7	500PAR64/WFL	120	8	32.00	★PAR Wide Flood(9)(55)	C, CC-13		6	2000	6500
			23423-7	500PAR64/WFL	125-130	8	38.25	★PAR Wide Flood(9)(55)	C, CC-13		6	2000	6500
			23416-1	500PAR64/NSP	120	8	32.00	★PAR Narrow Spot (9)(46)(55)	C, CC-13		6	2000	6500
			23422-9	500PAR64/NSP	125-130	8	38.25	★PAR Narrow Spot (9)(46)(55)	C, CC-13		6	2000	6500
	PS-35	Mog.	22914-6	500	120	24	3.55	Clear	C, CC-8	7	9¾	1000	10750
			22916-1	500	130	24	4.25	Clear	C, CC-8	7	9¾	1000	10750
			20020-4	500/IF	120	24	4.10	Inside Frosted	C, CC-8	7	9¾	1000	10750
			20022-0	500/IF	130	24	4.95	Inside Frosted	C, CC-8	7	9¾	1000	10750
			35010-8	500/99	120	24	3.75	Extended Service, Clear	C, CC-8	7	9¾	2500	8750
			35011-6	500/99	125-130	24	4.50	Extended Service, Clear	C, CC-8	7	9¾	2500	8750
			35013-2	500/99IF	120	24	4.10	Extended Service, I.F.	C, CC-8		9¾	2500	8750
			35016-5	500/99IF	125-130	24	4.95	Extended Service, I.F.	C, CC-8		9¾	2500	8750
	PS-40	Mog.	22932-8	500PS40	120	24	3.15	Clear	C, C-9	7	9¾	1000	10100
			22953-4	500PS40	130	24	3.75	Clear	C, C-9	7	9¾	1000	10100
			22938-5	500PS40/IF	120	24	3.50	Inside Frosted	C, C-9		9¾	1000	10100



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>500</b>	PS-40	Mog.	22960-9	500PS40/IF	130	24	4.10	Inside Frosted	C, C-9		9 3/4	1000	10100
			39769-5	500PS40/35CL	120	24	4.35	Industrial Service, Clear	C, C-9	7	9 3/4	3500	8480
			39796-8	500PS40/35CL	125-130	24	5.25	Industrial Service, Clear	C, C-9	7	9 3/4	3500	8480
			23975-6	500/SBIF	120	24	6.00	Silvered Bowl, I.F.(14)(31)	C, C-9		9 3/4	1000	9500
			23977-2	500/SBIF	125-130	24	7.25	Silvered Bowl, I.F.(14)(31)	C, C-9		9 3/4	1000	9500
			22931-0	500/WB	115-125	24	5.75	White Bowl	C, C-9		9 3/4	1000	9700
			22936-9	500/RS	120	24	4.75	Rough Service, Clear	C, C-9	7	9 3/4	1000	9500
			22957-5	500/RS	125-130	24	5.80	Rough Service, Clear	C, C-9	7	9 3/4	1000	9500
		Mog. Pf.	22917-9	500PS40/45	120	24	11.00	Code Beacon	C, C-9	5 1/8	10 1/8	1000	9900
	R-40	Mog.	23563-0	500R/3FL	120	24	11.25	★Reflector Flood, I.F. (51)(53)	C, CC-11		7 1/4	2000	6500
			23568-9	500R/3FL	125-130	24	13.50	★Reflector Flood, I.F. (51)(53)	C, CC-11		7 1/4	2000	6500
			23561-4	500R/3SP	120	24	11.25	★Reflector Spot, Lt. I.F. (51)(53)	C, CC-11		7 1/4	2000	6500
	R-52	Mog.	32310-5	500R52	120	12	12.00	Reflector Wide Beam (9)(19)(54)	C, C-7A		11 3/4	2000	7850
			32306-3	500R52	130	12	14.50	Reflector Wide Beam (9)(19)(54)	C, C-7A		11 3/4	2000	7850
	R-57	Mog.	32601-7	500R57/3	120	12	14.50	Reflector Narrow Beam (9)(19)(54)	C, C-7A		12	2000	7850
			32603-3	500R57/3	130	12	16.95	Narrow Beam Reflector (9)(19)(54)	C, C-7A		12	2000	7850
	T-12	Med. Pf.	23720-6	500T12/8	120	24	41.50	★Floodlight(14)	C, C-13D	3 1/2	5 3/4	800	8650
			23721-4	500T12/9	120	24	40.30	★Spotlight(14)	C, C-13D	3 1/2	5 3/4	200	10200
	T-20	Med. Bip.	22973-2	500T20/13	120	12	29.25	★Airway Beacon(8)	C, C-13B	3	6 1/2	500	9500
			22981-5	500T20/13	130	12	34.75	★Airway Beacon(8)	C, C-13B	3	6 1/2	500	9500
		Mog.	22985-6	500T20/24	120	12	36.10	★Aviation, On Course Beacon(8)	C, C-13B	4 3/4	9 1/8	800	8900
			23733-9	500T20/48	120	12	24.25	★Spotlight	C, C-13	2 3/8	5 3/4	200	11000
		Med. Bip.	22976-5	500T20/50	120	12	32.00	★Inside Frosted(14)	C, C-13	4	6 1/2	1000	9300
			22982-3	500T20/50	125-130	12	33.00	★Inside Frosted(14)	C, C-13	4	6 1/2	1000	9300
		Med. Pf.	23734-7	500T20/64	120	12	32.75	★Display Spot(12)	C, C-13	2 3/8	5 3/4	500	9500
			23739-6	500T20/64	125-130	12	41.50	★Display Spot(12)	C, C-13	2 3/8	5 3/4	500	9500
	T-24	Mog.	22986-4	500T24	120	12	59.50	★Sawmill-Light source approx. 6"(12)	C, C-8		11 1/8	1500	9000
	PS-40	Mog.	24773-4	500	250	24	3.80	Clear	C, C-7A	7	9 3/4	1000	9100
			24776-7	500/IF	250	24	4.40	Inside Frosted	C, C-7A		9 3/4	1000	9100
			24775-9	500/99	250	24	5.25	Extended Service, Clear	C, C-7A	7	9 3/4	2500	7800
			31861-8	500/99IF	250	24	5.80	Extended Service, I.F.	C, C-7A		9 3/4	2500	7800
			23979-8	500/SBIF	250	24	6.50	Silvered Bowl, I.F.(14)(31)	C, C-7A		9 3/4	1000	8750
			24780-9	500	277	24	5.95	Clear	C, C-7A		9 3/4	1000	7700
	R-40	Mog.	24782-5	500R/3FL	230	24	15.50	★Reflector Flood, I.F. Special Service(19)	C, C-7A		7 1/4	2000	5400
			24783-3	500R/3FL	250	24	15.50	★Reflector Flood, I.F. Special Service(19)	C, C-7A		7 1/4	2000	5400
			32975-5	500R/3FL	277	24	18.95	★Reflector Flood, I.F. Special Service(19)	C, C-7A		7 1/4	2000	4600
	R-52	Mog.	32300-6	500R52	250	12	14.00	Reflector Wide Beam (9)(19)(54)	C, C-7A		11 3/4	2000	6600
	R-57	Mog.	32606-6	500R57	250	12	18.35	Reflector Narrow Beam (9)(19)(54)	C, C-7A		12	2000	6600
<b>620</b>	PS-40	Mog. Pf.	22992-2	620PS40P	120	24	9.20	Code Beacon	C, C-7A	5 1/8	10 1/8	3000	11000
			22994-8	620PS40P	130	24	11.00	Code Beacon	C, C-7A	5 1/8	10 1/8	3000	11000
<b>750</b>	PS-52	Mog.	31194-4	750	120	12	7.90	Clear	C, 2CC-8	9 1/2	13 1/8	1000	16700
			31204-1	750	130	12	9.45	Clear	C, 2CC-8	9 1/2	13 1/8	1000	16700
			31197-7	750/IF	120	12	9.05	Inside Frosted	C, 2CC-8		13 1/8	1000	16700
			31206-6	750/IF	130	12	10.75	Inside Frosted	C, 2CC-8		13 1/8	1000	16700
			31347-8	750/99	120	12	9.70	Extended Service, Clear	C, C-7A	9 1/2	13 1/8	2500	14000
			31356-9	750/99	125-130	12	11.50	Extended Service, Clear	C, C-7A	9 1/2	13 1/8	2500	14000
			31329-6	750/SBIF	120	12	14.25	Silvered Bowl, I.F.(14)(31)	C, 2CC-8		13 1/8	1000	




# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>750</b>	PS-52	Mog.	31336-1	<b>750/SBIF</b>	<b>125-130</b>	12	16.50	Silvered Bowl, I.F.(14)(31)	C, 2CC-8		13 $\frac{1}{4}$	1000	
	R-52	Mog.	32305-5	<b>750R52</b>	<b>120</b>	12	14.50	Reflector Wide Beam (9)(19)(54)	C, C-7A		11 $\frac{3}{4}$	2000	12700
			32303-0	<b>750R52</b>	<b>130</b>	12	17.00	Reflector Wide Beam (9)(19)(54)	C, C-7A		11 $\frac{3}{4}$	2000	12700
	R-57	Mog.	32607-4	<b>750R57/3</b>	<b>120</b>	12	16.50	Narrow Beam Reflector (9)(19)(54)	C, C-7A		12	2000	12700
			32611-6	<b>750R57/3</b>	<b>130</b>	12	19.80	Narrow Beam Reflector (9)(19)(54)	C, C-7A		12	2000	12700
	R-60	Mog.	20583-1	<b>750R60/FL</b>	<b>120</b>	6	34.10	★Kleen-Beam, Reflector Flood, Light I.F.(14)	C, C-7A		10 $\frac{3}{8}$	2000	11800
			20585-6	<b>750R60/FL</b>	<b>125-130</b>	6	40.35	★Kleen-Beam, Reflector Flood, Light I.F.(14)	C, C-7A		10 $\frac{3}{8}$	2000	11800
	T-12	Med. Pf.	23744-6	<b>750T12/9</b>	<b>120</b>	24	25.50	★Spotlight(14)	C, C-13D 3 $\frac{1}{2}$	6 $\frac{1}{8}$	200	16500	
	T-14	Med. Bip.	23750-3	<b>750T14</b>	<b>120</b>	24	44.00	★Spotlight(14)(64)(77)	C, C-13D 4	6 $\frac{1}{8}$	200	16500	
	T-24	Med. Bip.	23035-9	<b>750T24</b>	<b>120</b>	12	29.75	★Inside Frosted(14)	C, C-13		9 $\frac{1}{8}$	1000	14200
			23041-7	<b>750T24</b>	<b>130</b>	12	35.25	★Inside Frosted(14)	C, C-13		9 $\frac{1}{8}$	1000	14200
	PS-52	Mog.	32401-2	<b>750</b>	<b>250</b>	12	9.80	Clear	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{8}$	2000	13600
			31220-7	<b>750</b>	<b>277</b>	12	13.20	Clear	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{8}$	1000	13600
	R-52	Mog.	32299-0	<b>750R52</b>	<b>277</b>	12	17.45	Wide Beam Reflector, Lt. I.F.(9)(19)(54)	C, C-7A		11 $\frac{3}{4}$	2000	9900
	R-57	Mog.	32614-0	<b>750R57</b>	<b>250</b>	12	19.70	Industrial Reflector, Lt. I.F.(9)(19)(54)	C, C-7A		12	2000	9900
<b>1000</b>	Med.		23043-3	<b>1M/G25/1</b>	<b>115-125</b>	12	58.75	★★Diving, under-water burning only	C, C-5	3 $\frac{1}{8}$	5 $\frac{1}{2}$	50	24500
	G-40	Mog.	23768-5	<b>1M/G40FL</b>	<b>120</b>	24	30.00	★Flood(12)	C, C-5	5 $\frac{1}{4}$	8	800	19500
			23772-7	<b>1M/G40FL</b>	<b>130</b>	24	42.10	★Flood(12)	C, C-5	5 $\frac{1}{4}$	8	800	19500
			23766-9	<b>1M/G40SP4<math>\frac{1}{4}</math></b>	<b>120</b>	24	37.25	★Spotlight(12)	C, C-5	4 $\frac{1}{4}$	7 $\frac{1}{8}$	200	22500
		Mog. Pf.	23758-6	<b>1M/G40PSP</b>	<b>120</b>	24	25.75	★Spotlight(12)	C, C-5	3 $\frac{1}{8}$	8 $\frac{1}{8}$	200	22500
	G-48	Mog. Bip.	23773-5	<b>1M/G48/11</b>	<b>120</b>	6	79.20	★Spotlight	C, C-13	5	9 $\frac{3}{8}$	200	24500
	PS-52	Mog.	31233-0	<b>1000</b>	<b>120</b>	12	8.25	Clear	C, 2CC-8	9 $\frac{1}{2}$	13 $\frac{1}{8}$	1000	23100
			31254-6	<b>1000</b>	<b>130</b>	12	9.85	Clear	C, 2CC-8	9 $\frac{1}{2}$	13 $\frac{1}{8}$	1000	23100
			31238-9	<b>1000/IF</b>	<b>120</b>	12	9.60	Inside Frosted	C, 2CC-8		13 $\frac{1}{8}$	1000	23100
			31256-1	<b>1000/IF</b>	<b>130</b>	12	11.50	Inside Frosted	C, 2CC-8		13 $\frac{1}{8}$	1000	23100
			31362-7	<b>1000/99</b>	<b>120</b>	12	10.50	Extended Service, Clear	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{8}$	2500	19500
			31370-0	<b>1000/99</b>	<b>125-130</b>	12	12.65	Extended Service, Clear	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{8}$	2500	19500
			31338-7	<b>1000/SBIF</b>	<b>120</b>	12	14.75	Silvered bowl, I.F.(14)(31)	C, 2CC-8		13 $\frac{1}{8}$	1000	21000
	R-57	Mog.	32619-9	<b>1000R57</b>	<b>120</b>	12	19.80	Narrow Beam Reflector (9)(19)(54)	C, C-7A		12	2000	17500
			32623-1	<b>1000R57</b>	<b>130</b>	12	23.65	Narrow Beam Reflector (9)(19)(54)	C, C-7A		12	2000	17500
	R-60	Mog.	20576-5	<b>1000R60/FL</b>	<b>120</b>	6	30.25	★Kleen-Beam Reflector Flood(14)	C, C-7A		10 $\frac{3}{8}$	2000	16800
			20587-2	<b>1000R60/FL</b>	<b>125-130</b>	6	36.50	★Kleen-Beam Reflector Flood(14)	C, C-7A		10 $\frac{3}{8}$	2000	16800
	T-20	Mog.	23084-7	<b>1M/T20AB</b>	<b>120</b>	12	27.75	★Airway Beacon(8)	C, C-13	4 $\frac{3}{4}$	9 $\frac{1}{8}$	500	21000
	T-24	Med. Bip.	23089-6	<b>1M/T24</b>	<b>120</b>	12	38.00	★I.F., Collector Grid(14)	C, C-13		9 $\frac{1}{8}$	1000	20000
			23092-0	<b>1M/T24</b>	<b>130</b>	12	41.00	★I.F., Collector Grid(14)	C, C-13		9 $\frac{1}{8}$	1000	20000
		Mog. Bip.	23776-8	<b>1M/T24/5</b>	<b>120</b>	6	115.00	★Spotlight(14)	C, C-13D 6 $\frac{1}{2}$	10	200	20500	
	T-40	Special	23864-2	<b>1M/T40/3</b>	<b>115-125</b>	12	87.50	★Infrared-Industrial Triangular Filament Medium Bipost base with 6" flexible connectors	C, ----	3	7 $\frac{1}{4}$ (16)	(27)	
	PS-52	Mog.	32403-8	<b>1000</b>	<b>250</b>	12	9.80	Clear	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{8}$	2000	17700
			31275-1	<b>1000</b>	<b>277</b>	12	14.50	Clear	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{8}$	1000	17500
	R-60	Mog.	20582-3	<b>1000R60/FL</b>	<b>250</b>	6	41.00	★Kleen-Beam Reflector Flood(14)	C, C-7A		10 $\frac{3}{8}$	2000	13600
<b>1500</b>	G-48	Mog.	23788-3	<b>1500G48/6</b>	<b>120</b>	6	60.25	★Flood(12)	C, C-5	5 $\frac{1}{4}$	8 $\frac{5}{8}$	800	30000
			23789-1	<b>1500G48/6</b>	<b>125</b>	6	60.25	★Flood(12)	C, C-5	5 $\frac{1}{4}$	8 $\frac{5}{8}$	800	30000
	PS-52	Mog.	31280-1	<b>1500</b>	<b>105</b>	12	12.00	Clear(56)	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{8}$	1000	33300
			31282-7	<b>1500</b>	<b>110</b>	12	12.00	Clear(56)	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{8}$	1000	33300



# Incandescent Lamps

			NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price		Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Approximate Initial Lumens			
Watts	Bulb	Base						Description								
	1500	PS-52	Mog.	31288-4	1500	115	12	12.00	Clear(56)	C, C-7A	9½	13⅝	1000	33300		
				31292-6	1500	120	12	12.00	Clear(56)	C, C-7A	9½	13⅝	1000	33300		
				31303-1	1500	130	12	14.50	Clear(56)	C, C-7A	9½	13⅝	1000	33300		
				31296-7	1500/IF	120	12	14.00	Inside Frosted(56)	C, C-7A		13⅝	1000	33300		
				31383-3	1500/99	120	12	16.50	Extended Service, Clear(56)	C, C-7A	9½	13⅝	2500	30200		
				31393-2	1500/99	125-130	12	19.75	Extended Service, Clear(56)	C, C-7A	9½	13⅝	2500	30200		
				23114-2	1500PS52/46	120	6	23.50	★Clear(56)	C, C-7A	9½	13⅝	2500	30200		
				23128-2	1500PS52/46	130	6	28.25	★Clear(56)	C, C-7A	9½	13⅝	2500	30200		
				T-24	Mog.Bip.	23137-3	1500T24/5	120	6	113.85	★Aviation, Airway Beacon(8)	C, C-13D	4	10½	500	31500
						23792-5	1500T24/6	120	6	103.50	★Spot(14)	C, C-13D	6½	10	200	34000
		Med.Bip.	23135-7	1500T24/15	120	12	49.50	★Photoengraving, I.F. (14)(77)(78)	C, C-13	5½	9⅝	50	44000			
	PS-52	Mog.	32404-6	1500	230	12	15.25	Clear	C, C-7A	9½	13⅝	2000	26000			
			32405-3	1500	250	12	15.25	Clear	C, C-7A	9½	13⅝	2000	26000			
			31327-0	1500	277	12	17.85	Clear	C, C-7A	9½	13⅝	1000	27000			
	2000	G-48	Mog.Bip.	23796-6	2M/G48/17	120	6	58.25	★Spotlight(8)	C, C-13	5	9⅝	200	51000		
T-24		Mog.Bip.	20305-9	2M/T24/5	120	6	94.40	★Instrument(8)	C, C-13D	4	10½	50	55000			
T-30		Mog.Bip.	23812-1	2M/T30/1	120	6	108.50	★Spotlight(14)	C, C-13D	6½	10	200	46500			

## Lamps Listed by Amps. & Volts, or Lumens

Amps.	Bulb	Base	NAED Number 6677-	Ordering Code	Volts Watts or Lumens	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
<b>.15</b>	S-8	S.C.Bay.	23155-5	15A/S8/1SC/IF	2.9	100	3.25	Rwy. Signal, I.F.	B, C-2R		2	1000	
<b>.12A</b>	S-8	S.C.Bay.	23225-6	12A/S8SC	3.5	100	7.00	Rwy. Signal(81)	B, C-2R	1¼	2	1000	
			23226-4	12A/S8SC/IF	3.5	100	7.35	Rwy. Signal, I.F.	B, C-2R		2	1000	
<b>.25A</b>	S-8	S.C.Pf.(A)	23164-7	25A/S8SCP	6.2	100	4.15	Marine Signal, Spiral Lead	B, C-8	1⅝	2	500	
<b>.92A</b>	S-8	S.C.Pf.(A)	23187-8	92A/S8	6.2	100	11.40	Marine Signal, Spiral Lead	C, C-8	1⅝	2	500	
<b>.46A</b>	S-8	S.C.Pf.(A)	23178-7	46A/S8SCP	6.2	100	6.10	Marine Signal, Spiral Lead	C, C-8	1⅝	2	500	
<b>.70A</b>	S-8	S.C.Pf.(A)	23183-7	70A/S8	6.2	100	7.30	Marine Signal, Spiral Lead	C, C-8	1⅝	2	500	
<b>.4A</b>	S-6	S.C.Bay.	23208-2	4A/S6	10	120	4.65	Resistance Ballast(80)	C, CC-2V		1⅝		
<b>5A</b>	T-8	S.C.Bay.	23213-2	5A/T8SC/57	10	24	5.50	Photocell Exciter(65)	C, C-6	1⅝ <sub>32</sub>	3⅝	100	
<b>3.05A</b>	S-11	S.C.Pf.(A)	23205-8	3.05A/S11SCP	12	120	7.65	Marine Signal, Spiral Lead	C, C-8	1⅝	2⅝	500	
<b>35A</b>	T-20	Med.Bip.	23228-0	35A/T20	12	12	25.75	★Ceilometer(28)	C, C-8	2½	6½	1000	
<b>.55A</b>	S-8	S.C.Pf.(A)	23181-1	55A/S8	12	100	6.25	Marine Signal, Spiral Lead	C, C-8	1⅝	2	500	
<b>.77A</b>	S-8	S.C.Pf.(A)	23185-2	77A/S8	12	100	5.50	Marine Signal, Spiral Lead	C, C-8	1⅝	2	500	
<b>.25A</b>	S-8	S.C.Bay.	23163-9	25A/S8/1SC	13.5	100	5.50	Rwy. Signal(81)	B, C-2R	1¼	2	1000	
<b>.11</b>	T-4	Cand.	23219-9	11A/T4C	18	100	.97	Switchboard	B, C-2V	1⅝	1½	2000	
<b>5A</b>	G16½	S.C.Pf.(A)	23209-0	5A/G16½/1	20	24	8.15	Contour Map(12)(39)	C, CC-6	1⅝	3	50	
<b>.11A</b>	T-4	Cand.	23223-1	11A/T4C	22	100	1.60	Switchboard	B, C-2V	1⅝	1½	2000	
<b>1A</b>	A-19	Med.▲	23189-4	1A/A19	30	120	2.11	Street Rwy., I.F.	C, C-2R		3⅝	2000	
<b>1.6A</b>	A-21	Med.▲	23198-5	1.6A/A21	30	120	1.98	Street Rwy., I.F.	C, C-2R		4⅝	2000	
<b>.13A</b>	T-3¼	Min.Sc.	23146-4	13A/T3¼	40	100	1.87	Gauge	B, C-2V		1⅝	1000	
<b>.35A</b>	A-15	Med.▲	23175-3	35A/A15	115	120	.84	Resistance Ballast, I.F.(42)	B, C-9		3½		
<b>.139A</b>	T-7	D.C.Bay.	23148-0	139A/T7DC	160	60	2.11	Switchboard, Network Protector	B, C-7A		2¼		
		S.C. Bay.	23149-8	139A/T7SC	160	60	2.11	Switchboard, Network Protector	B, C-7A		2¼		



# Incandescent Lamps

Amps.	Bulb	Base	NAED Number 6677-	Ordering Code	Volts Watts or Lumens	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Hours Life	Initial Lumens
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## Lamps Listed by Amps. & Volts, or Lumens

<b>6.6A</b>	T-10	Med. Pf.	24300-6	6.6A/T10/1P	30W	60	4.65	Airport Marker(8) (MS25012-1)	C, C-2V	1½	3⅜	1000	435
			24319-6	6.6A/T10P	45W	60	5.10	Airport Marker(8) (MS25012-2)	C, C-2V	1½	3⅜	1000	700
			24387-3	6.6A/T10/2P	100W	60	12.05	Aviation, Runway Marker	C, C-2V	1½	3⅜	1000	1850
	PAR-56	Mog. End Prong	23361-9	6.6A/PAR56/2	200	8	18.15	★PAR Airport Approach (MS24348-1)(55)	C, C-13		5	500	
	T-14	Med. Pf.	24402-0	6.6A/T14P	200W	24	13.00	Airport Marker(8) (MS25013-1)	C, C-13	2⅝	5¾	75	4900
			24404-6	6.6A/T14/2P	204W	24	14.50	Aviation, Runway Marker (MS25013-2)	C, C-13	2⅝	5¾	500	4200
	A-21	Med. Pf.	24911-0	325/66/A21	325L	120	8.80	Airport Marker(67)	C, C-8	2¾	5⅝	2000	320
			24917-7	1020/66/A21	1020L	120	9.35	Airport Marker(67)	C, C-8	2¾	5⅝	2000	1000
<b>850L</b>	A-21	Med.	32190-1	850L/A21/TS	130	120	1.38	Traffic Signal(12)	C, C-9	2⅝	4⅞	6000	
<b>1950L</b>	P-25	Med.	20494-1	1950L/P25/TS	120	60	1.93	Traffic Signal-150 Watts Nom.(12)	C, C-9	3	4¾	8000	
			36227-7	1950L/P25/TS	130	60	2.30	Traffic Signal-150 Watts Nom.(12)	C, C-9	3	4¾	8000	

## Tubular Quartz Infrared Lamps

Tubular quartz infrared heat lamps are designed for service other than illumination.

Unless otherwise noted,

1. All lamps are made with translucent quartz.
2. All lamps are furnished with metal sleeve bases and approximately 6" flexible leads. (Not included in M.O.L.)

3. Tubular quartz heat lamps should not be used in equipment where the seal temperatures exceed 650°F.

4. Operating position is HORIZONTAL unless otherwise noted.

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.L. (In.)	M.O.L. (In.)	Approx. Hours Life(27)
<b>300</b>	T-3		22382-6	300T3	115-125	12	17.75	★Translucent(23)	C, C-8	5	8⅞	
<b>375</b>	T-3		23842-8	375T3	115-125	12	17.25	★Translucent(23)	C, C-8	5	8⅞	
		R.S.C.	36369-7	375T3/7	115-125	12	18.00	★Translucent(23)	C, C-8	5	8⅞	
<b>500</b>	T-3		23845-1	500T3	105	12	18.00	★Translucent(23)	C, C-8	5	8⅞	
			23850-1	500T3	115-125	12	17.75	★Translucent(23)	C, C-8	5	8⅞	
		R.S.C.	23851-9	500T3/7	115-125	12	17.75	★Translucent(23)	C, C-8	5	8⅞	
			23846-9	500T3/CL	115-125	12	27.50	★Clear(23)	C, C-8	5	8⅞	
<b>800</b>	T-3		29472-8	800T3	115-125	12	22.25	★Translucent(23)	C, C-8	8	11⅞	
<b>1000</b>	T-3		23856-8	1000T3	208	12	23.00	★Translucent	C, C-8	10	13⅞	
			23859-2	1000T3	230-250	12	22.00	★Translucent	C, C-8	10	13⅞	
			23860-0	1000T3/CL	230-250	12	29.75	★Clear	C, C-8	10	11⅞	
			23862-6	1000T3/2CL	230-250	12	38.50	★Clear	C, C-8	10	13⅞	
			29474-4	1000T3/CL/HT	230-250	12	41.50	★Clear, High Temp. Construction(17)(78)	C, C-8	10	11⅞	(59)
<b>1500</b>	T-3		36574-2	1500T3/CL/HT	230-250	12	48.15	★Clear, High Temp. Construction(17)(78)	C, C-8	9¾	11⅞	(59)
<b>1600</b>	T-3		23869-1	1600T3	208	12	30.75	★Translucent	C, C-8	16	19⅞	
		R.S.C.	29483-5	1600T3/7	208	12	32.25	★Translucent	C, C-8	16	19⅞	
			37470-2	1600T3/R	208	12	71.85	★Red	C, C-8	16	19⅞	
			23872-5	1600T3	230-250	12	29.50	★Translucent	C, C-8	16	19⅞	
		(40)	23873-3	1600T3/5	230-250	12	32.25	★Translucent	C, C-8	16	19⅞	
		R.S.C.	29478-5	1600T3/7	230-250	12	31.00	★Translucent	C, C-8	16	19⅞	
			23870-9	1600T3/CL	230-250	12	46.25	★Clear	C, C-8	16	19⅞	
			23871-7	1600T3/1CL	230-250	12	46.20	★Clear	C, C-8	16	17⅞	
			20297-8	1600T3/1CL/HT	230-250	12	59.00	★Clear, High Temp. Construction(17)(78)	C, C-8	16	17⅞	(59)
			20121-0	1600T3/R	230-250	12	71.90	★Red	C, C-8	16	19⅞	
		R.S.C.	20495-8	1600T3/7	277	12	32.00	★Translucent	C, C-8	16	19⅞	
<b>2000</b>	T-3		36553-6	2000T3/1CL	230-250	12	45.25	★Clear(17)(78)	C, C-8	9¾	11⅞	
			20824-9	2000T3/1CL/HT	230-250	12	59.75	★Clear, High Temp. Construction(17)(78)	C, C-8	9¾	11⅞	(59)



Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.L. (In.)	M.O.L. (In.)	Approx. Hours Life(27)
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## Tubular Quartz Infrared Lamps

<b>2500</b>	T-3		23878-2	<b>2500T3</b>	<b>460-500(60)</b>	6	36.75	★Translucent	C, C-8	25	28 $\frac{1}{16}$	
		(40)	23876-6	<b>2500T3/5</b>	<b>460-500(60)</b>	6	41.25	★Translucent	C, C-8	25	28 $\frac{1}{16}$	
		R.S.C.	29480-1	<b>2500T3/7</b>	<b>460-500(60)</b>	6	38.25	★Translucent	C, C-8	25	28 $\frac{1}{16}$	
			23874-1	<b>2500T3/CL</b>	<b>460-500(60)</b>	6	60.00	★Clear	C, C-8	25	28 $\frac{1}{16}$	
			20301-8	<b>2500T3/CL/HT</b>	<b>460-500(60)</b>	6	72.75	★Clear, High Temp. Construction(17)(78)	C, C-8	25	28 $\frac{1}{16}$	(59)
			20862-9	<b>2500T3/VB</b>	<b>460-500(60)</b>	6	73.45	★Translucent, Vertical Burning(57)	C, C-8	25	28 $\frac{1}{16}$	
			29479-3	<b>2500T3/R</b>	<b>460-500(60)</b>	6	76.00	★Red	C, C-8	25	28 $\frac{1}{16}$	
			23879-0	<b>2500T3</b>	<b>575-625(62)</b>	6	36.75	★Translucent	C, C-8	25	28 $\frac{1}{16}$	
			21187-0	<b>2500T3/VB</b>	<b>575-625(62)</b>	6	73.45	★Translucent, Vertical Burning(57)	C, C-8	25	28 $\frac{1}{16}$	
<b>3800</b>	T-3		23881-6	<b>3800T3</b>	<b>550-600(61)</b>	6	58.75	★Translucent	C, C-8	38	41 $\frac{1}{16}$	
		(40)	23882-4	<b>3800T3/5</b>	<b>550-600(61)</b>	6	67.65	★Translucent	C, C-8	38	41 $\frac{1}{16}$	
			36552-8	<b>3800T3/CL</b>	<b>550-600(61)</b>	6	81.75	★Clear	C, C-8	38	41 $\frac{1}{16}$	
			20303-4	<b>3800T3/VB</b>	<b>550-600(61)</b>	6	74.00	★Translucent, Vertical Burning(57)	C, C-8	38	41 $\frac{1}{16}$	
<b>5000</b>	T-3		36845-6	<b>5000T3/1CL/HT</b>	<b>575-625(62)</b>	6	107.75	★Clear, High Temp. Construction(17)(78)	C, C-8	25	28 $\frac{1}{16}$	(59)

## Tungsten Halogen Lamps

Tungsten Halogen lamps operate at above atmospheric pressure when lamp is energized and care should be taken to:

1. Provide adequate screening to protect people and surroundings in case of violent failure.
2. Avoid scratching and abrading the quartz tube as this reduces the strength of the tube.

3. Not operate above 110% rated voltage to prevent excessive pressure.

For satisfactory lamp operation, a minimum quartz tube wall temperature of 500°F is required.

Except where noted, Tungsten Halogen tubular lamps should not be used in equipment where the seal temperature exceeds 650°F.

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts or Amps.	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>75</b>	T-3	D.C.Bay.	35094-2	<b>75T3Q/CL/DC</b>	<b>28</b>	12	35.05	★Dental Spot	C, CC-6	1 $\frac{1}{16}$	2 $\frac{1}{4}$	2000	1400
<b>150</b>	T-4	2-Pin	20607-8	<b>150Q/FCS</b>	<b>24</b>	12	13.75	★Clear(12)(68)	C, C-6	1 $\frac{1}{16}$	2	50	4500
		R.S.C.	35687-3	<b>150T4Q/CL</b>	<b>25</b>	12	32.75	★Dental Spot	C, CC-8	2 $\frac{1}{16}$	2000	2750	
		Mini-Can	34754-2	<b>150Q/CL</b>	<b>120</b>	12	17.55	★Clear(68)	C, CC-2V	1 $\frac{3}{8}$	2 $\frac{3}{4}$	2000	2900
			20049-3	<b>150Q/CL</b>	<b>130</b>	12	18.45	★Clear(68)	C, CC-2V	1 $\frac{3}{8}$	2 $\frac{3}{4}$	2000	2900
<b>200</b>	T-2 $\frac{1}{2}$	R.S.C.	38035-2	<b>200T2<math>\frac{1}{2}</math>Q/CL</b>	<b>120</b>	12	27.05	★Clear(10)	C, C-8	2	4 $\frac{1}{16}$	1000	
			38047-7	<b>200T2<math>\frac{1}{2}</math>Q</b>	<b>120</b>	12	31.45	★Frost(10)	C, C-8	2	4 $\frac{1}{16}$	1000	
<b>250</b>	T-4	Mini-Can	37857-0	<b>250Q/CL</b>	<b>EHT 120</b>	12	18.00	★Clear(68)	C, CC-8	1 $\frac{5}{8}$	3 $\frac{3}{8}$	2000	4800
			22886-6	<b>250Q/CL</b>	<b>130</b>	12	19.00	★Clear(68)	C, CC-8	1 $\frac{5}{8}$	3 $\frac{3}{8}$	2000	4800
		D.C.Bay.	31584-6	<b>250Q/CL/DC</b>	<b>120</b>	12	18.00	★Clear(68)	C, CC-8	1 $\frac{5}{8}$	2 $\frac{1}{16}$	2000	4800
			22894-0	<b>250Q/CL/DC</b>	<b>130</b>	12	19.00	★Clear(68)	C, CC-8	1 $\frac{5}{8}$	2 $\frac{1}{16}$	2000	4800
		Mini-Can	23384-1	<b>250Q</b>	<b>120</b>	12	19.50	★Frost	C, CC-8		3 $\frac{3}{8}$	2000	4800
			35610-5	<b>250Q</b>	<b>130</b>	12	20.80	★Frost	C, CC-8		3 $\frac{3}{8}$	2000	4800
		D.C.Bay.	31581-2	<b>250Q/DC</b>	<b>120</b>	12	19.50	★Frost	C, CC-8		2 $\frac{1}{16}$	2000	4800
			22902-1	<b>250Q/DC</b>	<b>130</b>	12	20.25	★Frost	C, CC-8		2 $\frac{1}{16}$	2000	4800
<b>300</b>	T-3	R.S.C.	39282-9	<b>300T3Q/CL</b>	<b>EHM 120</b>	12	26.75	★Clear(10)	C, C-8	2	4 $\frac{1}{16}$	2000	6000
			38206-9	<b>300T3Q</b>	<b>EHZ 120</b>	12	31.25	★Frost(10)	C, C-8		4 $\frac{1}{16}$	2000	6000
	T-4	R.S.C.	37960-2	<b>300T4Q/CL</b>	<b>EHP 120</b>	12	22.50	★Clear	C, CC-8	$\frac{5}{8}$	3 $\frac{3}{8}$	2000	5400
			31674-5	<b>300T4Q/CL</b>	<b>130</b>	12	27.05	★Clear	C, CC-8	$\frac{5}{8}$	3 $\frac{3}{8}$	2000	5400
<b>400</b>	T-4	R.S.C.	20797-7	<b>400T4Q/CL</b>	<b>EHR 120</b>	12	20.75	★Clear	C, CC-8	$\frac{3}{4}$	3 $\frac{3}{8}$	2000	7500
			39162-3	<b>400T4Q/CL</b>	<b>125-130</b>	12	27.50	★Clear	C, CC-8	$\frac{3}{4}$	3 $\frac{3}{8}$	2000	7500
<b>425</b>	T-2 $\frac{1}{2}$	R.S.C.	23296-7	<b>425T2<math>\frac{1}{2}</math>Q/2CL</b>	<b>120</b>	12	24.70	★Reprographic 3150°K (10)(49)	C, CC-8	2 $\frac{3}{8}$	4 $\frac{1}{16}$	400	
<b>500</b>	PAR-56	Mog. End Prong	35621-2	<b>500PAR56Q/MFL</b>	<b>120</b>	8	38.75	★PAR Medium Flood(9)(55)	C, CC-6		5	4000	7000
			35620-4	<b>500PAR56Q/WFL</b>	<b>120</b>	8	38.75	★PAR Wide Flood(9)(55)	C, CC-6		5	4000	7000
			35619-6	<b>500PAR56Q/NSP</b>	<b>120</b>	8	38.75	★PAR Narrow Spot(9)(55)	C, CC-6		5	4000	7000



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts or Amps.	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>Tungsten Halogen Lamps</b>													
<b>500</b>	T-2½	R.S.C.	20255-6	500T2½Q/4CL	FDF 120	12	23.50	★Reprographic(10)(49)	C, C-8	2	4⅞	400	13250
			31271-0	500T2½Q/4	FDN 120	12	20.00	★Reprographic(10)(49)	C, C-8		4⅞	400	13250
	T-3	R.S.C.	20010-5	500T3Q/CL	FCL 120	12	21.00	★Clear(10)	C, C-8	2¼	4⅞	2000	10500
			39284-5	500T3Q/CL	125-130	12	25.50	★Clear(10)	C, C-8	2¼	4⅞	2000	10500
			36774-8	500T3Q	FCZ 120	12	23.25	★Frost(10)	C, C-8		4⅞	2000	10200
			34727-8	500T3Q	125-130	12	24.75	★Frost(10)	C, C-8		4⅞	2000	10200
	T-4	Mini-Can	38079-0	500Q/CL	120	12	23.70	★Clear(68)	C, CC-8	2	3⅝	2000	9800
			36335-8	500Q/CL	130	12	24.25	★Clear(68)	C, CC-8	2	3⅝	2000	9800
		D.C.Bay.	31586-1	500Q/CL/DC	120	12	22.00	★Clear(68)	C, CC-8	2	3⅝	2000	9800
		Mini-Can	35605-5	500Q	120	12	26.00	★Frost	C, CC-8		3⅝	2000	9800
			35604-8	500Q	130	12	26.00	★Frost	C, CC-8		3⅝	2000	9800
		D.C.Bay.	31585-3	500Q/DC	120	12	24.85	★Frost	C, CC-8		3⅝	2000	9800
<b>650</b>	T-4	R.S.C.	31182-9	650T4Q/CL	FAD 120	12	20.20	★Clear	C, CC-8	⅝	3⅝	100	16500
			31159-7	650T4Q	FBX 120	12	20.85	★Frost	C, CC-8		3⅝	100	16500
			31176-1	650T4Q/2CL	DWY 120	12	21.65	★Clear	C, CC-8	⅝	3⅝	25	20000
			31179-5	650T4Q/2	FCA 120	12	22.00	★Frost	C, CC-8		3⅝	25	20000
<b>750</b>	T-3	R.S.C.	31136-5	750T3Q/4CL	EJG 120	12	26.75	★Clear(10)	C, C-8	2¼	4⅞	400	20600
			31154-8	750T3Q/4	EMD 120	12	27.75	★Frost(10)	C, C-8		4⅞	400	20600
<b>1000</b>	PAR-64	Ext. Mog. End Prong	27556-0	1000PAR64Q/MFL	120	8	61.75	★PAR Medium Flood(9)(55)	C, CC-8		6	4000	19400
			27558-6	1000PAR64Q/WFL	120	8	61.75	★PAR Wide Flood(9)(55)	C, CC-8		6	4000	19400
			27555-2	1000PAR64Q/NSP	120	8	61.75	★PAR Narrow Spot(9)(55)	C, CC-8		6	4000	19400
			31138-1	1000PAR64Q/2	FFP 120	8	50.25	★PAR Narrow Spot(9)(55)	C, CC-8		6	400	26000
			31153-0	1000PAR64Q/5	FFR 120	8	50.25	★PAR Medium Flood(9)(55)	C, CC-8		6	400	26000
			31137-3	1000PAR64Q/6	FFS 120	8	50.25	★PAR Wide Flood(9)(55)	C, CC-8		6	400	26000
	T-2½	R.S.C.	23299-1	1000T2½Q/1CL	90	6	38.95	★Reprographic, Clear, Segmented Filament (10)(49)(58)	C, C-8	2¼	4⅞	400	28000
			23298-3	1000T2½Q/1CL	115	6	37.40	★Reprographic, Clear, Segmented Filament (10)(49)(58)	C, C-8	10½	12½	400	
	T-3	R.S.C.	33269-2	1000T3Q/4CL	FCM 120	12	24.25	★Clear(10)(49)	C, C-8	2¼	4⅞	400	28000
			31155-5	1000T3Q/4	FHM 120	12	25.50	★Frost(10)(49)	C, C-8		4⅞	400	27300
			38135-0	1000T3Q/CL	220	12	31.50	★Clear(10)	C, C-8	6	10⅞	2000	21000
			38320-8	1000T3Q/CL	240	12	31.50	★Clear(10)	C, C-8	6	10⅞	2000	21000
	T-5	R.S.C.	31224-9	1000T5Q/2CL	DYA 120	12	30.65	★Clear(49)	C, CC-8	⅞	4⅝	150	28000
			31237-1	1000T5Q/2	DYN 120	12	31.30	★Frost(49)	C, CC-8		4⅝	150	28000
			31202-5	1000T5Q/CL	DXN 120	12	29.65	★Clear(49)	C, CC-8	¾	3¾	50	33000
			31211-6	1000T5Q	FBZ 120	12	29.90	★Frost(49)	C, CC-8		3¾	50	33000
			31219-9	1000T5Q/1CL	DXW 120	12	29.65	★Clear(49)	C, CC-8	⅞	3¾	150	28000
			31221-5	1000T5Q/1	FBY 120	12	29.90	★Frost(49)	C, CC-8		3¾	150	28000
	T-6	R.S.C.	38711-8	1000T6Q/CL	DWT 120	12	48.00	★Clear	C, CC-8	1	5⅝	2000	21000
			31240-5	1000T6Q/4CLFER/EHS	120	12	41.00	★Clear(49)	C, CC-8	¾	5⅝	400	27500
<b>1250</b>	T-3	R.S.C.	20798-5	1250T3Q/CL	208	12	31.50	★Clear(10)	C, C-8	5¾	10⅞	2000	28000
<b>1500</b>	T-3	R.S.C.	37806-7	1500T3Q/CL	208	12	29.00	★Clear(10)	C, C-8	6¾	10⅞	2000	33000
			37536-0	1500T3Q/CL	220	12	29.00	★Clear(10)	C, C-8	6¾	10⅞	2000	33000
			23867-5	1500T3Q/CL	240	12	29.00	★Clear(10)	C, C-8	6¾	10⅞	2000	33000
			23868-3	1500T3Q/CL	277	12	29.00	★Clear(10)	C, C-8	6¾	10⅞	2000	33000
<b>2000</b>	T-8	R.S.C.	31258-7	2000T8Q/4CL	FEY 120	12	69.00	★Clear(49)	C, CC-8	⅞	5⅝	400	56600
<b>45</b>	T-2½	R.S.C.	20580-7	6.6A/T2½Q/CL	6.6A	12	20.75	★Clear	C, C-8	⅞	2⅞	1000	630
			33245-2	6.6A/T2½Q/1CL	6.6A	12	18.00	★Clear	C, C-8	⅞	1⅝	1000	630
		Cartridge ☺	36868-8	6.6A/T2½Q/5CL	6.6A	12	36.25	★Clear	C, C-8	⅞	2⅞	1000	630
<b>200</b>	T-4	R.S.C.	20665-6	6.6A/T4Q/CL	6.6A	12	34.00	★Clear	C, CC-8	¾	2⅞	500	4400
		D.C.Ring	32878-1	6.6A/T4Q/DCR	6.6A	12	34.00	★Clear(68)	C, CC-6	1⅞	2⅞	500	5150



Watts	Nominal Lumens	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>Street Lighting Lamps (Multiple)(43)</b>														
<b>32</b>	...	A-19	Med.	39441-1	<b>32A19/49</b>	120	120	.86	Clear	C, C-9	2 $\frac{7}{8}$	4 $\frac{1}{4}$	3000	255
<b>58</b>	600	A-19	Med.	24960-7	<b>58A19/62</b>	120	120	.91	Clear	C, C-9	2 $\frac{7}{8}$	4 $\frac{1}{4}$	3000	655
				24964-9	<b>58A19/62</b>	130	120	1.10	Clear	C, C-9	2 $\frac{7}{8}$	4 $\frac{1}{4}$	3000	655
<b>92</b>	1000	A-23	Med.	24971-4	<b>92A23/49</b>	120	120	1.48	Clear	C, C-9	4 $\frac{3}{8}$	6 $\frac{1}{16}$	3000	1200
				39688-7	<b>92A23/49</b>	125	120	1.54	Clear	C, C-9	4 $\frac{3}{8}$	6 $\frac{1}{16}$	3000	1200
<b>103</b>	1000	A-23	Med.	38447-9	<b>103A23</b>	125	120	1.89	Clear	C, C-9	4 $\frac{3}{8}$	6 $\frac{1}{16}$	6000	1150
				38448-7	<b>103A23</b>	130	120	2.04	Clear	C, C-9	4 $\frac{3}{8}$	6 $\frac{1}{16}$	6000	1150
<b>105</b>	1000	A-23	Med.	25826-9	<b>K105A23</b>	120	60	2.61	Clear (Krypton)	C, C-9	4 $\frac{3}{8}$	6 $\frac{1}{16}$	12000	1260
				25825-1	<b>K105A23</b>	125	60	3.10	Clear (Krypton)	C, C-9	4 $\frac{3}{8}$	6 $\frac{1}{16}$	12000	1260
<b>115</b>	...	A-23	Med.	24975-5	<b>115A23/CL</b>	120	120	1.46	Clear	C, C-9	4 $\frac{3}{8}$	6 $\frac{1}{16}$	3000	1465
<b>133</b>	1500	A-23	Med.	24988-8	<b>133A23/CL</b>	130	120	1.90	Clear	C, C-9	4 $\frac{3}{8}$	6 $\frac{1}{16}$	3000	1700
<b>175</b>	...	PS-25	Med.	24894-8	<b>175PS25/63</b>	130	60	1.74	Clear	C, C-9	5 $\frac{1}{4}$	6 $\frac{1}{16}$	1500	2800
<b>189</b>	2500	PS-25	Med.	24995-3	<b>189PS25/64</b>	120	60	1.89	Clear	C, C-9	5 $\frac{1}{4}$	6 $\frac{1}{16}$	3000	2900
				39423-9	<b>189PS25/64</b>	125	60	2.05	Clear	C, C-9	5 $\frac{1}{4}$	6 $\frac{1}{16}$	3000	2900
				39636-6	<b>189PS25/64</b>	130	60	2.25	Clear	C, C-9	5 $\frac{1}{4}$	6 $\frac{1}{16}$	3000	2900
				25006-8	<b>189PS35</b>	120	24	2.54	Clear	C, C-9	7	9 $\frac{3}{8}$	3000	2750
<b>202</b>	2500	PS-25	Med.	20527-8	<b>202PS25</b>	120	60	2.20	Clear	C, C-9	5 $\frac{1}{4}$	6 $\frac{1}{16}$	6000	2800
				20528-6	<b>202PS25</b>	125	60	2.35	Clear	C, C-9	5 $\frac{1}{4}$	6 $\frac{1}{16}$	6000	2800
			Mog.	36127-9	<b>202PS25/1</b>	120	60	2.40	Clear	C, C-9	5 $\frac{3}{8}$	7 $\frac{1}{8}$	6000	2800
				36128-7	<b>202PS25/1</b>	125	60	2.65	Clear	C, C-9	5 $\frac{3}{8}$	7 $\frac{1}{8}$	6000	2800
		PS-35	Mog.	36231-9	<b>202PS35</b>	120	24	3.25	Clear	C, C-9	7	9 $\frac{3}{8}$	6000	2700
				36232-7	<b>202PS35</b>	125	24	3.50	Clear	C, C-9	7	9 $\frac{3}{8}$	6000	2700
<b>205</b>	2500	PS-25	Med.	33735-2	<b>K205PS25</b>	120	60	3.70	Clear (Krypton)	C, C-9	5 $\frac{1}{4}$	6 $\frac{1}{16}$	12000	2750
				33736-0	<b>K205PS25</b>	125	60	4.40	Clear (Krypton)	C, C-9	5 $\frac{1}{4}$	6 $\frac{1}{16}$	12000	2750
<b>230</b>	...	PS-30	Med.	25012-6	<b>230PS30/26</b>	120	60	1.89	Clear	C, C-9	6	8 $\frac{1}{16}$	3000	3500
<b>295</b>	4000	PS-35	Mog.	25020-9	<b>295PS35/58</b>	120	24	2.65	Clear	C, C-9	7	9 $\frac{3}{8}$	3000	4800
				25021-7	<b>295PS35/58</b>	125	24	2.90	Clear	C, C-9	7	9 $\frac{3}{8}$	3000	4800
				25023-3	<b>295PS35/58</b>	130	24	3.15	Clear	C, C-9	7	9 $\frac{3}{8}$	3000	4800
<b>327</b>	4000	PS-35	Mog.	20530-2	<b>327PS35</b>	120	24	3.60	Clear	C, C-9	7	9 $\frac{3}{8}$	6000	4750
				20531-0	<b>327PS35</b>	125	24	4.00	Clear	C, C-9	7	9 $\frac{3}{8}$	6000	4750
<b>340</b>	...	PS-35	Mog.	25030-8	<b>340PS35/52</b>	120	24	2.60	Clear	C, C-9	7	9 $\frac{3}{8}$	3000	5600
<b>370</b>	...	PS-40	Mog.	24900-3	<b>370PS40/50</b>	120	24	3.20	Clear	C, C-9	7	9 $\frac{3}{4}$	1500	6500
<b>405</b>	6000	PS-40	Mog.	25035-7	<b>405PS40/54</b>	120	24	3.40	Clear	C, C-9	7	9 $\frac{3}{4}$	3000	6700
				25037-3	<b>405PS40/54</b>	125	24	3.70	Clear	C, C-9	7	9 $\frac{3}{4}$	3000	6700
<b>448</b>	6000	PS-40	Mog.	20533-6	<b>448PS40</b>	120	24	5.15	Clear	C, C-9	7	9 $\frac{3}{4}$	6000	6650
				20534-4	<b>448PS40</b>	125	24	5.60	Clear	C, C-9	7	9 $\frac{3}{4}$	6000	6650
<b>575</b>	...	PS-40	Mog.	24906-0	<b>575PS40/51</b>	130	24	5.45	Clear	C, C-7A	7	9 $\frac{3}{4}$	1500	10900
<b>620</b>	10000	PS-40	Mog.	25044-9	<b>620PS40/53</b>	120	24	5.00	Clear	C, C-7A	7	9 $\frac{3}{4}$	3000	11000
				25047-2	<b>620PS40/53</b>	130	24	5.65	Clear	C, C-7A	7	9 $\frac{3}{4}$	3000	11000
<b>690</b>	10000	PS-40	Mog.	20537-7	<b>690PS40</b>	125	24	6.55	Clear	C, C-9	7	9 $\frac{3}{4}$	6000	10900
<b>860</b>	15000	PS-52	Mog.	31226-4	<b>860PS52/80</b>	120	12	11.00	Clear	C, C-7A	9 $\frac{1}{2}$	13 $\frac{1}{16}$	3000	15300



# Incandescent Lamps

Rated Initial Lumens	Amps.	Bulb	Base	NAED Number 6677-	Ordering Code	Initial Volts	Pkg. Qty.	Sugg. List Price	Description— Burning Position(43)	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approx. Hours Life
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## Street Lighting Lamps (Series)

1000	<b>6.6</b>	PS-25	Mog.	24914-4	<b>1M/66</b>	<b>9.4</b>	60	2.38	Clear	C, C-8	5 $\frac{3}{8}$	7 $\frac{1}{8}$	2000
			Mog.Exp.	32928-4	<b>1M/66/E40</b>	<b>9.4</b>	60	2.67	Clear	C, C-8	5 $\frac{3}{8}$	7 $\frac{1}{8}$	2000
			Mog.	25057-1	<b>1M/66R</b>	<b>9.9</b>	60	2.55	Clear	C, C-8	5 $\frac{3}{8}$	7 $\frac{1}{8}$	3000
				20539-3	<b>1M/66G</b>	<b>11.2</b>	60	2.65	Clear	C, C-8	5 $\frac{3}{8}$	7 $\frac{1}{8}$	6000
2500	<b>6.6</b>	PS-25	Mog.	24920-1	<b>2500/66PS25</b>	<b>21.2</b>	60	3.25	Clear, Base Up	C, C-2V	5 $\frac{3}{8}$	7 $\frac{1}{8}$	2000
				25061-3	<b>2500/66R/PS25</b>	<b>22.4</b>	60	2.97	Clear, Base Up	C, C-2V	5 $\frac{3}{8}$	7 $\frac{1}{8}$	3000
				20542-7	<b>2500/66G/PS25</b>	<b>24.0</b>	60	3.25	Clear, Base Up	C, C-2V	5 $\frac{3}{8}$	7 $\frac{1}{8}$	6000
		PS-35	Mog.	25065-4	<b>2500/66R</b>	<b>22.8</b>	24	3.25	Clear	C, C-2V	7	9 $\frac{3}{8}$	3000
				36785-4	<b>2500/66G</b>	<b>24.0</b>	24	3.60	Clear	C, C-2V	7	9 $\frac{3}{8}$	6000
4000	<b>6.6</b>	PS-35	Mog.Exp.	35296-3	<b>4M/66/E40</b>	<b>32.2</b>	24	3.90	Clear	C, C-2V	7	9 $\frac{3}{8}$	2000
			Mog.	25069-6	<b>4M/66R</b>	<b>34.0</b>	24	3.90	Clear	C, C-2V	7	9 $\frac{3}{8}$	3000
				20543-5	<b>4M/66G</b>	<b>36.5</b>	24	4.55	Clear	C, C-2V	7	9 $\frac{3}{8}$	6000
	<b>15A</b>	PS-35	Mog.	25072-0	<b>4M/15R/BD</b>	<b>14.6</b>	24	5.15	Clear, Base Down	C, C-2V	7	9 $\frac{3}{8}$	3000
				37790-3	<b>4M/15G/BU</b>	<b>15.7</b>	24	7.10	Clear, Base Up	C, C-2V	7	9 $\frac{3}{8}$	6000
6000	<b>6.6</b>	PS-40	Mog.	24941-7	<b>6M/66</b>	<b>48.1</b>	24	4.10	Clear(43)	C, C-2V	7	9 $\frac{3}{4}$	2000
				25078-7	<b>6M/66R</b>	<b>50.0</b>	24	4.40	Clear	C, C-2V	7	9 $\frac{3}{4}$	3000
				20540-1	<b>6M/66G</b>	<b>52.7</b>	24	5.70	Clear	C, C-2V	7	9 $\frac{3}{4}$	6000
	<b>20</b>	PS-40	Mog.Exp.	35644-4	<b>6M/20BU/E40</b>	<b>15.3</b>	24	6.70	Clear, Base Up	C, C-2V	7	9 $\frac{3}{4}$	2000
			Mog.	25080-3	<b>6M/20R/BD</b>	<b>16.9</b>	24	6.65	Clear, Base Down	C, C-2V	6 $\frac{1}{4}$	9 $\frac{3}{4}$	3000
				25082-9	<b>6M/20R/BU</b>	<b>16.2</b>	24	6.70	Clear, Base Up	C, C-2V	7	9 $\frac{3}{4}$	3000
				37791-1	<b>6M/20G/BU</b>	<b>17.3</b>	24	7.45	Clear, Base Up	C, C-2V	7	9 $\frac{3}{4}$	6000
10000	<b>6.6</b>	PS-40	Mog.	25084-5	<b>10M/66R</b>	<b>85.6</b>	24	5.50	Clear	C, C-7A	7	9 $\frac{3}{4}$	3000
				20541-9	<b>10M/66G</b>	<b>87.6</b>	24	6.60	Clear	C, C-7A	7	9 $\frac{3}{4}$	6000
	<b>20</b>	PS-40	Mog.Exp.	32364-2	<b>10M/20BU/E40</b>	<b>24.9</b>	24	10.30	Clear, Base Up	C, C-7	7	9 $\frac{3}{4}$	2000
				25086-0	<b>10M/20R/BU</b>	<b>26.3</b>	24	9.80	Clear, Base Up	C, C-7	7	9 $\frac{3}{4}$	3000
15000	<b>20</b>	PS-40	Mog.Exp.	35788-9	<b>15M/20BU/E40</b>	<b>35.4</b>	24	13.05	Clear, Base Up	C, C-7	7	9 $\frac{3}{4}$	2000
			Mog.	25089-4	<b>15M/20R/BU</b>	<b>38.7</b>	24	12.55	Clear, Base Up	C, C-7	7	9 $\frac{3}{4}$	3000

## High Intensity Bulb Line—Carded Pack

Watts or C.P.	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approx. Hours Life
<b>15C.P.</b>	S-8	S.C.Bay.▲	29284-7	<b>8C-93</b>	CD/2 12	120	2/2.15	Clear	C, C-2R	1 $\frac{1}{8}$	2	500
<b>32C.P.</b>	RP-11	S.C.Bay.	29286-2	<b>8C-1133</b>	CD/2 6	120	2/2.30	Clear	C, C-2R	1 $\frac{1}{4}$	2 $\frac{1}{4}$	200
<b>40W</b>	S-11	Inter.▲	29344-9	<b>8C-40S11N</b>	CD/1 115-125	240	1.78	Clear	C, C-9	1 $\frac{1}{8}$	2 $\frac{3}{8}$	350

## Tuff-Skin Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description(66)	Class and Filament	M.O.L. (In.)	Approx. Hours Life
<b>25</b>	A-15	Med.▲☺	31055-7	<b>25A15/1/TF</b>	115-125	120	1.61	Refrigerator, Tuff-Skin	B, C-9	3 $\frac{1}{2}$	1000
	A-19	Med.▲	30031-9	<b>25A/TF</b>	115-125	120	1.66	Tuff-Skin	B, C-9	3 $\frac{1}{2}$	2500
<b>30</b>	A-15	Med.▲☺	20275-4	<b>30A15/TF</b>	130	120	1.90	Sign Service, Tuff-Skin	C, C-9	3 $\frac{1}{2}$	2000
<b>40</b>	A-15	Med.▲☺	25109-0	<b>40A15/TF</b>	115-125	120	1.73	Refrigerator, Tuff-Skin	C, C-9	3 $\frac{1}{2}$	1000
	A-19	Med.▲☺	20276-2	<b>40A19/TF</b>	130	120	2.13	Sign Service, Tuff-Skin	C, C-9	4 $\frac{1}{4}$	2500
			30033-5	<b>40A/TF</b>	115-125	120	1.52	Tuff-Skin	C, C-9	4 $\frac{1}{4}$	1500
<b>50</b>	A-19	Med.▲	30034-3	<b>50A/RS/TF</b>	115-125	120	2.30	Rough Service, Tuff-Skin	B, C-17A	3 $\frac{1}{8}$	1000
<b>60</b>	A-19	Med.▲	30038-4	<b>60A/TF</b>	115-125	120	1.62	Tuff-Skin	C, CC-6	4 $\frac{1}{8}$	1000
		Med.☺	25836-8	<b>60A/35/TF</b>	120	60	2.73	Industrial Service, Tuff-Skin	C, C-9	4 $\frac{1}{4}$	3500
<b>75</b>	A-21	Med.▲	29640-0	<b>75A/RS/TF</b>	115-125	120	2.70	Rough Service, Tuff-Skin	C, C-17A	5 $\frac{3}{8}$	1000
	R-30	Med.▲	32318-8	<b>75R30/FL/TF</b>	115-125	60	4.15	Reflector, Tuff-Skin	C, CC-6	5 $\frac{3}{8}$	2000



# Incandescent Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description(66)	Class and Filament	M.O.L. (In.)	Approx. Hours Life
<b>Tuff-Skin Lamps</b>											
<b>100</b>	A-21	Med.▲	30051-7	<b>100A21/TF</b>	<b>115-125</b>	120	1.83	Tuff-Skin	C, CC-6	5 $\frac{1}{16}$	750
		Med.☺	25838-4	<b>100A21/35/TF</b>	<b>120</b>	60	3.05	Industrial Service, Tuff-Skin(14)	C, C-9	5 $\frac{1}{16}$	3500
		Med.▲	30052-5	<b>100A/RS/TF</b>	<b>115-125</b>	120	2.10	Rough Service, Tuff-Skin	C, C-17A	5 $\frac{1}{16}$	1000
<b>150</b>	A-25	Med.☺	22965-8	<b>150A25/35/TF</b>	<b>120</b>	60	4.80	Industrial Service, Tuff-Skin(14)	C, C-9	6 $\frac{1}{16}$	3500
		Med.▲	30056-6	<b>150PS25/TF</b>	<b>115-125</b>	60	2.90	Tuff-Skin	C, C-9	6 $\frac{1}{16}$	1000
		Med.▲	30045-9	<b>150/RS/TF</b>	<b>115-125</b>	60	4.05	Rough Service, Tuff-Skin	C, C-17A	6 $\frac{1}{16}$	1000
<b>200</b>	PS-30	Med.▲	30059-0	<b>200/TF</b>	<b>115-125</b>	60	3.65	Tuff-Skin	C, C-9	8 $\frac{1}{16}$	750
		Med.☺	22995-5	<b>200/35/TF</b>	<b>120</b>	60	6.10	Industrial Service, Tuff-Skin(14)	C, C-9	8 $\frac{1}{16}$	3500
		Med.▲	30022-8	<b>200PS30/RS/TF</b>	<b>115-125</b>	60	5.15	Rough Service, Tuff-Skin	C, C-9	8 $\frac{1}{16}$	1000
<b>100</b>	A-21	Med.▲	24928-4	<b>100A/RS/TF</b>	<b>250</b>	120	2.88	Rough Service, Tuff-Skin	C, C-17A	5 $\frac{1}{16}$	1000

## Reflector Sunlamp

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	M.O.L. (In.)	Approx. Hours Life
<b>275</b>	R-40	Med.	23933-5	<b>RS</b>	<b>115-125</b>	6	26.00	★Inside Frosted	7 $\frac{1}{8}$	(69)

## Sound Reproducer, Film Viewer and Projection Lamps

Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Volts	Pkg. Qty.	Sugg. List Price	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate Hours Life	Initial Lumens
<b>.75A</b>	T-5	S.C.Pf.	27195-7	<b>BAK</b>	<b>4</b>	100	5.60	Sound Reproducer	C, C-6	1 $\frac{1}{8}$	2	200	30
<b>30</b>	S-11	Cand.	27063-7	<b>BKR</b>	<b>115-125</b>	120	5.50	Film Viewer 2800°K(12)	C, CC-2V	1 $\frac{1}{8}$	2 $\frac{1}{4}$	50	400
		D.C.Bay	27067-8	<b>BLC</b>	<b>115-125</b>	120	2.87	Film Viewer 2800°K(12)(25)	C, CC-2V	1 $\frac{1}{8}$	2 $\frac{3}{8}$	50	400
<b>50</b>	S-11	D.C.Bay	26625-4	<b>BLX</b>	<b>115-120</b>	120	4.05	Toy Projector, 2850°K(12)(25)	C, CC-2V	1 $\frac{1}{8}$	2 $\frac{3}{8}$	50	825
<b>100</b>	S-11	D.C.Bay	30638-1	<b>BMG-BMH</b>	<b>115-120</b>	120	4.70	Toy Projector, 3000°K(12)(25)	C, CC-2V	1 $\frac{1}{8}$	2 $\frac{3}{8}$	25	2050
<b>1A</b>	T-5	D.C.Pf.	27197-3	<b>BRX</b>	<b>6</b>	100	6.20	Sound Reproducer	C, C-6	1 $\frac{1}{8}$	2	100	75
<b>1A</b>	T-5	S.C.Pf.	30697-7	<b>BSS-BSB</b>	<b>6</b>	100	5.50	Sound Reproducer	C, C-8	1 $\frac{1}{8}$	2 $\frac{3}{8}$	100	75
<b>.20A</b>	T-5	S.C.Pf.	27174-2	<b>BSW</b>	<b>7</b>	100	5.85	Sound Reproducer	B, C-8	1 $\frac{1}{8}$	2 $\frac{3}{8}$	50	15
		D.C.Pf.	27171-8	<b>BTD</b>	<b>7</b>	100	4.95	Sound Reproducer	B, C-6	1 $\frac{1}{8}$	2	50	18
<b>30</b>	T-7	D.C.Bay	35977-8	<b>BVR</b>	<b>115-120</b>	60	5.50	Projection, Blue Top 2900°K(25)(64)	C, CC-2V	1 $\frac{1}{8}$	2 $\frac{5}{8}$	25	470
<b>4.2A</b>	T-8	D.C.Pf.	31580-4	<b>BWD</b>	<b>8.5</b>	24	12.10	Sound Reproducer(8)	C,Sp.C-8	1 $\frac{1}{8}$	3 $\frac{1}{8}$	150	
<b>7.5A</b>	T-8	S.C.Pf.	27223-7	<b>BXA</b>	<b>10</b>	24	9.40	Sound Reproducer(8)	C, C-6	1 $\frac{1}{32}$	3 $\frac{1}{8}$	100	
		S.C.Bay	27221-1	<b>BXE</b>	<b>10</b>	24	6.05	Sound Reproducer(8)	C, C-8	1 $\frac{1}{4}$	3 $\frac{1}{8}$	100	
			27220-3	<b>BXG</b>	<b>10</b>	24	7.55	Sound Reproducer(8)	C, C-6	1 $\frac{1}{32}$	3 $\frac{1}{8}$	100	
<b>4A</b>	T-8	S.C.Pf.	27213-8	<b>BXM</b>	<b>9</b>	24	9.00	Sound Reproducer(8)	C, C-6	1 $\frac{1}{32}$	3 $\frac{1}{8}$	500	
<b>5A</b>	T-8	S.C.Pf.	27216-1	<b>BXN</b>	<b>10</b>	24	9.00	Sound Reproducer(8)	C, C-6	1 $\frac{1}{32}$	3 $\frac{1}{8}$	100	
<b>7.5A</b>	T-8	S.C.Pf.	27224-5	<b>BYA</b>	<b>10</b>	24	9.00	Sound Reproducer(8)	C, C-8	1 $\frac{1}{8}$	3 $\frac{1}{8}$	100	
<b>4A</b>	T-8	S.C.Pf.	27214-6	<b>BYS</b>	<b>9</b>	24	9.00	Sound Reproducer(8)	C, C-8	1 $\frac{1}{32}$	3 $\frac{1}{8}$	500	
<b>75</b>	S-11	S.C.Bay	26585-0	<b>PH/111A</b>	<b>125</b>	120	6.05	Enlarger-White 2900°K(12)(25)(64)	C, CC-2V	1 $\frac{1}{8}$	2 $\frac{3}{8}$	25	1125



# Fluorescent Lamps

For use only with auxiliary equipment designed to produce proper electrical values. Unless otherwise noted, ratings apply to operation on A.C. circuits. ■

## Preheat Fluorescent Lamps

(for use in fixtures with starters or in fixtures containing starterless quick starting circuits)

T-5 Approx. 5/8" Diameter

Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty. •	Sugg. List Price	Description	Nominal Length (In.) (201)	Aver. Life, Hrs. (202)	Approx. Initial (203) Lumens (204)
<b>4</b>	T-5	Min. Bipin	25861-6	<b>F4T5/CW</b>	24	4.05	Cool White	6	6000	135
			25865-7	<b>F4T5/D</b>	24	4.55	Daylight	6	6000	115
			25863-2	<b>F4T5/W</b>	24	4.55	White	6	6000	130
			32561-3	<b>F4T5/B</b>	24	7.30	Blue	6	6000	50
			25867-3	<b>F4T5/G</b>	24	7.30	Green	6	6000	140
			35927-3	<b>F4T5/GO</b>	24	7.30	Gold	6	6000	70
			25868-1	<b>F4T5/BL</b>	24	5.80	Black Light	6	6000	
			25869-9	<b>F4T5/BLB</b>	24	10.75	Black Lt. — Integral Filter	6	6000	
<b>6</b>	T-5	Min. Bipin	25870-7	<b>F6T5/CW</b>	24	4.05	Cool White	9	7500	295
			25875-6	<b>F6T5/D</b>	24	4.55	Daylight	9	7500	230
			25873-1	<b>F6T5/W</b>	24	4.95	White	9	7500	260
			25877-2	<b>F6T5/B</b>	24	7.30	Blue	9	7500	110
			25878-0	<b>F6T5/G</b>	24	7.30	Green	9	7500	300
			32564-7	<b>F6T5/GO</b>	24	7.30	Gold	9	7500	175
			25879-8	<b>F6T5/PK</b>	24	7.30	Pink	9	7500	110
			25882-2	<b>F6T5/BLB</b>	24	10.75	Black Lt. — Integral Filter	9	7500	
<b>8</b>	T-5	Min. Bipin	25886-3	<b>F8T5/CW</b>	24	4.05	Cool White	12	7500	400
			25895-4	<b>F8T5/D</b>	24	4.55	Daylight	12	7500	330
			25892-1	<b>F8T5/W</b>	24	4.95	White	12	7500	410
			25890-5	<b>F8T5/WW</b>	24	4.55	Warm White	12	7500	410
			25904-4	<b>F8T5/BLB</b>	24	10.75	Black Lt. — Integral Filter			
<b>13</b>	T-5	Min. Bipin	25905-1	<b>F13T5/CW</b>	24	4.60	Cool White	21	7500	820

T-8 Approx. 1" Diameter


<b>13.5</b>	T-8	Md. Bipin	25910-1	<b>F13½T8/CW</b>	24	5.70	Cool White	12	7500	500
			25913-5	<b>F13½T8/D</b>	24	6.50	Daylight	12	7500	390
<b>15</b>	T-8	Md. Bipin	25936-6	<b>F15T8/CW</b>	24	2.95	Cool White	18	7500	870
			37311-8	<b>F15T8/CW</b>	6	3.20	Cool White, Retail Pack	18	7500	870
			29911-5	<b>F15T8/CW</b>	2496	2.95	Cool White, Palletized	18	7500	870
			25944-0	<b>F15T8/CWX</b>	24	3.95	Deluxe Cool White	18	7500	610
			37312-6	<b>F15T8/CWX</b>	6	4.20	Deluxe Cool White	18	7500	610
			25952-3	<b>F15T8/D</b>	24	3.40	Daylight	18	7500	750
			37316-7	<b>F15T8/D</b>	6	3.65	Daylight	18	7500	750
			33556-2	<b>F15T8/MWX</b>	6	4.25	Merchandising White	18	7500	670
			30680-3	<b>F15T8/SMW</b>	6	4.25	Supermarket White	18	7500	650
			20852-0	<b>F15T8/N</b>	24	4.75	Natural	18	7500	590
			37720-0	<b>F15T8/N</b>	6	5.05	Natural	18	7500	590
			25949-9	<b>F15T8/W</b>	24	3.40	White	18	7500	870
			37315-9	<b>F15T8/W</b>	6	3.65	White	18	7500	870
			25946-5	<b>F15T8/WW</b>	24	3.30	Warm White	18	7500	870
			37313-4	<b>F15T8/WW</b>	6	3.60	Warm White	18	7500	870
			26869-8	<b>F15T8/WWX</b>	6	4.00	Deluxe Warm White	18	7500	610
			25131-4	<b>F15T8/AGRO</b>	24	5.15	Agro-Lite	18	7500	410
			24666-0	<b>F15T8/AGRO</b>	6	5.40	Agro-Lite, Retail Pack	18	7500	410
			37318-3	<b>F15T8/B</b>	6	6.15	Blue	18	7500	330
			37319-1	<b>F15T8/G</b>	6	6.15	Green	18	7500	1230
			37321-7	<b>F15T8/GO</b>	6	6.15	Gold	18	7500	650
			37320-9	<b>F15T8/PK</b>	6	6.15	Pink	18	7500	330
			37322-5	<b>F15T8/R</b>	6	6.15	Red	18	7500	40
			31436-9	<b>F15T8/BL</b>	6	5.25	Black Light	18	7500	
			31437-7	<b>F15T8/BLB</b>	6	15.75	Black Lt. — Integral Filter	18	7500	



# Fluorescent Lamps

Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description	Nominal Length (In.)(201)	Aver. Life, Hrs. (202)	Approx. Initial(203) Lumens(204)
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## Ultralume Preheat Fluorescent Lamps

<b>15</b>	T-8	Md. Bipin		36091-7	F15T8/3000U	24	9.95	3000°K Ultralume	18	7500	810
				36134-5	F15T8/4100U	24	9.65	4100°K Ultralume	18	7500	810
				36136-0	F15T8/5000U	24	9.95	5000°K Ultralume	18	7500	810

## Preheat Fluorescent Lamps

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T-8

Md. Bipin




26050-5	F30T8/CW	24	3.80	Cool White	36	7500	2200
39822-2	F30T8/CW	6	4.05	Cool White, Retail Pack	36	7500	2200
26056-2	F30T8/CWX	24	4.75	Deluxe Cool White	36	7500	1580
38899-1	F30T8/CWX	6	5.00	Deluxe Cool White	36	7500	1580
26063-8	F30T8/D	24	4.10	Daylight	36	7500	1900
39825-5	F30T8/D	6	4.35	Daylight	36	7500	1900
 22013-7	F30T8/MWX	6	5.05	Merchandising White	36	7500	1720
 30847-8	F30T8/SMW	24	4.80	Supermarket White	36	7500	1650
 30678-7	F30T8/SMW	6	5.05	Supermarket White	36	7500	1650
20039-4	F30T8/N	24	5.65	Natural	36	7500	1500
26926-6	F30T8/N	6	5.95	Natural	36	7500	1500
26060-4	F30T8/W	24	4.10	White	36	7500	2260
39824-8	F30T8/W	6	4.35	White	36	7500	2260
26058-8	F30T8/WW	24	4.10	Warm White	36	7500	2260
39823-0	F30T8/WW	6	4.35	Warm White	36	7500	2260
26873-0	F30T8/WWX	6	4.75	Deluxe Warm White	36	7500	1540
39647-3	F30T8/B	6	7.15	Blue	36	7500	840
39648-1	F30T8/G	6	7.15	Green	36	7500	3150
39650-7	F30T8/GO	6	7.15	Gold	36	7500	1470
39649-9	F30T8/PK	6	7.15	Pink	36	7500	840
39651-5	F30T8/R	6	7.15	Red	36	7500	105
30117-6	F30T8/BL	6	6.05	Black Light	36	7500	
31438-5	F30T8/BLB	6	30.90	Black Lt. — Integral Filter	36	7500	

T-12 Approx. 1½" Diameter

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T-12

Md. Bipin




25916-8	F14T12/CW	24	2.95	Cool White	15	9000	710
30084-8	F14T12/CW	6	3.20	Cool White, Retail Pack	15	9000	710
20760-5	F14T12/CW	1620	2.95	Cool White, Palletized	15	9000	710
38896-7	F14T12/CWX	6	4.10	Deluxe Cool White	15	9000	500
25926-7	F14T12/D	24	3.40	Daylight	15	9000	610
37328-2	F14T12/D	6	3.65	Daylight	15	9000	610
25923-4	F14T12/W	24	3.65	White	15	9000	720
37327-4	F14T12/W	6	3.95	White	15	9000	720
25921-8	F14T12/WW	24	3.50	Warm White	15	9000	720
37325-8	F14T12/WW	6	3.80	Warm White	15	9000	720
37326-6	F14T12/WWX	6	4.10	Deluxe Warm White	15	9000	500
37330-8	F14T12/B	6	5.70	Blue	15	9000	320
37332-4	F14T12/GO	6	5.70	Gold	15	9000	425
37331-6	F14T12/PK	6	5.70	Pink	15	9000	320
37333-2	F14T12/R	6	5.70	Red	15	9000	40

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T-12

Md. Bipin



25971-3	F15T12/CW	24	2.95	Cool White	18	9000	800
30092-1	F15T12/CW	6	3.20	Cool White, Retail Pack	18	9000	800
25974-7	F15T12/CWX	24	3.95	Deluxe Cool White	18	9000	540
38897-5	F15T12/CWX	6	4.20	Deluxe Cool White	18	9000	540
25980-4	F15T12/D	24	3.40	Daylight	18	9000	650
31431-0	F15T12/D	6	3.65	Daylight	18	9000	650
20036-0	F15T12/SMW	6	4.25	Supermarket White	18	9000	570
25978-8	F15T12/W	24	3.40	White	18	9000	800
31430-2	F15T12/W	6	3.65	White	18	9000	800
25975-4	F15T12/WW	24	3.30	Warm White	18	9000	800
31425-2	F15T12/WW	6	3.60	Warm White	18	9000	800
31426-0	F15T12/WWX	6	4.20	Deluxe Warm White	18	9000	540







# Fluorescent Lamps




Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description	Nominal Length (In.) (201)	Aver. Life, Hrs. (202)	Approx.: Initial (203) Lumens (204)
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## Preheat Fluorescent Lamps

T-12 Approx. 1½" Diameter

<b>15</b>	T-12	Md. Bipin	37341-5	<b>F15T12/B</b>	6	6.20	Blue	18	9000	340
			37342-3	<b>F15T12/G</b>	6	6.20	Green	18	9000	920
			37344-9	<b>F15T12/GO</b>	6	6.20	Gold	18	9000	470
			37343-1	<b>F15T12/PK</b>	6	6.20	Pink	18	9000	340
			37345-6	<b>F15T12/R</b>	6	6.20	Red	18	9000	45
			20853-8	<b>F15T12/N</b>	24	5.00	Natural	18	9000	500
<b>20</b>	T-12	Md. Bipin	25996-0	<b>F20T12/CW</b>	24	2.75	Cool White	24	9000	1300
			29923-0	<b>F20T12/CW</b>	6	3.00	Cool White, Retail Pack	24	9000	1300
			29903-2	<b>F20T12/CW</b>	2160	2.75	Cool White, Palletized	24	9000	1300
			26006-7	<b>F20T12/CWX</b>	24	4.00	Deluxe Cool White	24	9000	850
			38898-3	<b>F20T12/CWX</b>	6	4.25	Deluxe Cool White	24	9000	850
			26013-3	<b>F20T12/D</b>	24	3.10	Daylight	24	9000	1075
			37351-4	<b>F20T12/D</b>	6	3.35	Daylight	24	9000	1075
			29904-0	<b>F20T12/D</b>	2160	3.10	Daylight, Palletized	24	9000	1075
			 29784-6	<b>F20T12/LW</b>	6	4.30	Living White	24	9000	925
			 33487-0	<b>F20T12/MWX</b>	24	4.25	Merchandising White	24	9000	930
			 33485-4	<b>F20T12/MWX</b>	6	4.50	Merchandising White	24	9000	930
			 30679-5	<b>F20T12/SMW</b>	6	4.50	Supermarket White	24	9000	900
			36222-8	<b>F20T12/N</b>	24	4.55	Natural	24	9000	850
			37722-6	<b>F20T12/N</b>	6	4.85	Natural	24	9000	850
			26011-7	<b>F20T12/W</b>	24	3.10	White	24	9000	1320
			37350-6	<b>F20T12/W</b>	6	3.35	White	24	9000	1320
			26007-5	<b>F20T12/WW</b>	24	3.10	Warm White	24	9000	1320
			37348-0	<b>F20T12/WW</b>	6	3.35	Warm White	24	9000	1320
			26881-3	<b>F20T12/WWX</b>	24	4.00	Deluxe Warm White	24	9000	850
			37349-8	<b>F20T12/WWX</b>	6	4.25	Deluxe Warm White	24	9000	850
			25133-0	<b>F20T12/AGRO</b>	24	5.80	Agro-Lite	24	9000	600
			24688-4	<b>F20T12/AGRO</b>	6	6.00	Agro-Lite, Retail Pack	24	9000	600
			37353-0	<b>F20T12/B</b>	6	6.50	Blue	24	9000	450
			37354-8	<b>F20T12/G</b>	6	6.50	Green	24	9000	1850
			37356-3	<b>F20T12/GO</b>	6	6.50	Gold, Bug-A-Way	24	9000	900
			37355-5	<b>F20T12/PK</b>	6	6.50	Pink	24	9000	450
			37357-1	<b>F20T12/R</b>	6	6.50	Red	24	9000	80
			30118-4	<b>F20T12/BL</b>	6	5.60	Black Light	24	9000	
			31435-1	<b>F20T12/BLB</b>	6	22.75	Black Lt. — Integral Filter	24	9000	

## Ultralume Preheat Fluorescent Lamps

<b>20</b>	T-12	Md. Bipin	 35765-7	<b>F20T12/3000U</b>	24	9.95	3000°K Ultralume	24	9000	1130
			 36135-2	<b>F20T12/4100U</b>	24	9.65	4100°K Ultralume	24	9000	1130
			 36140-2	<b>F20T12/5000U</b>	24	9.95	5000°K Ultralume	24	9000	1130

## Preheat Fluorescent Lamps

<b>25</b>	T-12	Md. Bipin	26030-7	<b>F25T12/CW</b>	24	5.95	Cool White	33	7500	1950
			30143-2	<b>F25T12/CW</b>	2160	5.95	Cool White, Palletized	33	7500	1950
			26041-4	<b>F25T12/D</b>	24	6.80	Daylight	33	7500	1650
			30126-7	<b>F25T12/W</b>	6	6.80	White	33	7500	1950
			30125-9	<b>F25T12/WW</b>	6	6.80	Warm White	33	7500	1950
			30124-2	<b>F25T12/WWX</b>	6	6.80	Deluxe Warm White	33	7500	1270
			39645-7	<b>F25T12/B</b>	6	9.50	Blue	33	7500	725

T-12 Approx. 1½" Diameter

Replaces F90T17 lamps. They are physically and electrically interchangeable.

<b>84</b>	T-12	Mg. Bipin	25106-6	<b>F90T12/CW/60</b>	24	7.35	Cool White	60	9000	6250
			28764-9	<b>F90T12/D/60</b>	24	8.40	Daylight	60	9000	5400
			28394-5	<b>F90T12/W/60</b>	24	8.40	White	60	9000	6400
			32085-3	<b>F90T12/W/60</b>	432	8.40	White, Palletized	60	9000	6400



Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description	Nominal Length (In.) (201)	Aver. Life, Hrs. (202)	Approx. Initial (203) Lumens (204)
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## Econ-o-watt Rapid Start Fluorescent Lamps

<b>25</b>	T-12	Md. Bipin	35984-4	<b>F30T12/CW/RS/EW-II</b>	24	5.45	Cool White	36	18000	2000
			35985-1	<b>F30T12/WW/RS/EW-II</b>	24	6.15	Warm White	36	18000	2050
			21432-0	<b>F30T12/WW/RS/EW-II</b>	1080	6.15	Warm White, Palletized	36	18000	2050

## Rapid Start Fluorescent Lamps

<b>30</b>	T-12	Md. Bipin	26076-0	<b>F30T12/CW/RS</b>	24	4.55	Cool White	36	18000	2300
			24079-6	<b>F30T12CW/RS</b>	1080	4.55	Cool White, Palletized	36	18000	2300
			26078-6	<b>F30T12/CWX/RS</b>	24	5.25	Deluxe Cool White	36	18000	1600
			26085-1	<b>F30T12/D/RS</b>	24	5.25	Daylight	36	18000	1950
			26083-6	<b>F30T12/W/RS</b>	24	5.25	White	36	18000	2370
			26079-4	<b>F30T12/WW/RS</b>	24	5.25	Warm White	36	18000	2370
			29895-0	<b>F30T12/WW/RS</b>	1080	5.25	Warm White, Palletized	36	18000	2370
			26886-2	<b>F30T12/WWX/RS</b>	24	5.25	Deluxe Warm White	36	18000	1600

## Ultralume Rapid Start Fluorescent Lamps

<b>30</b>	T-12	Md. Bipin	35723-6	<b>F30T12/RS/3000U</b>	24	9.35	3000°K Ultralume	36	18000	2110
			20315-8	<b>F30T12/RS/5000U</b>	24	9.35	5000°K Ultralume	36	18000	2100

## Econ-o-watt Preheat—Rapid Start Fluorescent Lamps

<b>34</b>	T-12	Md. Bipin Rapid Start	32850-0	<b>F40CW/RS/EW-II</b>	24	2.55	Cool White (Rapid Start)	48	20000	2800
			34736-9	<b>F40CW/RS/EW-II</b>	6	2.80	Cool White (Rapid Start)	48	20000	2800
			34748-4	<b>F40CWX/RS/EW-II</b>	24	3.10	Cool White Deluxe (Rapid Start)	48	20000	2000
			34737-7	<b>F40D/RS/EW-II</b>	24	3.10	Daylight (Rapid Start)	48	20000	2350
			21283-7	<b>F40EW/RS/EW-II</b>	24	2.95	Econ-O-White	48	20000	3050
			35764-0	<b>F40W/RS/EW-II</b>	24	3.10	White (Rapid Start)	48	20000	2900
			32836-9	<b>F40WW/RS/EW-II</b>	24	3.10	Warm White (Rapid Start)	48	20000	2900
			34756-7	<b>F40SMW/RS/EW-II</b>	24	3.10	Supermarket White (Rapid Start)	48	20000	2050
			27053-8	<b>F40CW/EW-PH</b>	24	2.60	Cool White (Preheat)(215)	48	15000 (Preheat)	2800
			27051-2	<b>F40WW/EW-PH</b>	24	3.20	Warm White (Preheat)(215)	48	15000 (Preheat)	2900

## Preheat—Rapid Start Fluorescent Lamps

<b>40</b>	T-12	Md. Bipin	20004-8	<b>F40CW</b>	24	2.13	Cool White	48	20000+	3150
			26180-0	<b>F40CW</b>	6	2.38	Cool White	48	20000+	3150
			30130-9	<b>F40CW</b>	6	2.38	Cool White, Retail Pack	48	20000+	3150
			31631-5	<b>F40CW</b>	540	2.13	Cool White, Palletized	48	20000+	3150
			26211-3	<b>F40CW/RFL</b>	24	7.25	Cool White, Reflector	48	20000+	2600
			31434-4	<b>F40CW/RFL</b>	6	7.70	Cool White, Reflector	48	20000+	2600
			20005-5	<b>F40CWX</b>	24	2.65	Deluxe Cool White	48	20000+	2200
			38900-7	<b>F40CWX</b>	6	2.90	Deluxe Cool White	48	20000+	2200
			20009-7	<b>F40D</b>	24	2.65	Daylight	48	20000+	2600
			26198-2	<b>F40D</b>	6	2.90	Daylight	48	20000+	2600
			31635-6	<b>F40D</b>	540	2.65	Daylight, Palletized	48	20000+	2600
			39108-6	<b>F40LW</b>	24	3.60	Living White	48	20000+	2380
			39826-3	<b>F40LW</b>	6	3.90	Living White	48	20000+	2380
			33498-7	<b>F40MWX</b>	24	2.70	Merchandising White	48	20000+	2410
			33494-6	<b>F40MWX</b>	6	2.95	Merchandising White	48	20000+	2410
			30673-8	<b>F40SMW</b>	24	2.70	Supermarket White	48	20000+	2330
			31648-9	<b>F40SMW</b>	6	2.95	Supermarket White	48	20000+	2330
			26185-9	<b>F40N</b>	24	3.75	Natural	48	20000+	2100
			37924-8	<b>F40N</b>	6	4.00	Natural	48	20000+	2100
			20008-9	<b>F40W</b>	24	2.65	White	48	20000+	3200
			26194-1	<b>F40W</b>	6	2.90	White	48	20000+	3200
			20006-3	<b>F40WW</b>	24	2.65	Warm White	48	20000+	3200
			20604-5	<b>F40WW</b>	6	2.90	Warm White	48	20000+	3200
			31633-1	<b>F40WW</b>	540	2.65	Warm White, Palletized	48	20000+	3200
			26887-0	<b>F40WWX</b>	24	2.65	Deluxe Warm White	48	20000+	2150
			26888-8	<b>F40WWX</b>	6	2.90	Deluxe Warm White	48	20000+	2150



# Fluorescent Lamps

Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg Qty.	Sugg. List Price	Description	Nominal Length (In.) (201)	Aver. Life, Hrs. (202)	Approx. Initial (203) Lumens (204)			
Preheat—Rapid Start Fluorescent Lamps													
<div><div>40</div><div></div></div>	T-12	Md. Bipin	26204-8	F40CG	24	3.80	Cool Green	48	20000 +	2850			
			31433-6	F40CG	6	4.00	Cool Green	48	20000 +	2850			
			25134-8	F40/AGRO	24	6.25	Agro-Lite	48	20000 +	1600			
			24691-8	F40/AGRO	6	6.40	Agro-Lite, Retail Pack	48	20000 +	1600			
			39631-7	F40B	6	6.20	Blue	48	20000 +	1200			
			39632-5	F40G	6	6.20	Green	48	20000 +	4400			
			39635-8	F40GO	6	6.20	Gold, Bug-A-Way	48	20000 +	2400			
			39633-3	F40PK	6	6.20	Pink	48	20000 +	1160			
			39634-1	F40R	6	6.20	Red	48	20000 +	1950			
			31439-3	F40BL	6	6.20	Black Light	48	20000 +				
			31440-1	F40BLB	6	29.25	Black Lt. — Integral Filter	48	20000 +				
			Ultralume Preheat—Rapid Start Fluorescent Lamps										
40	T-12	Md. Bipin	29240-9	F40/3000U	24	8.85	3000°K Ultralume	48	20000 +	2900			
			36123-8	F40/4100U	24	8.60	4100°K Ultralume	48	20000 +	2900			
			36124-6	F40/5000U	24	8.85	5000°K Ultralume	48	20000 +	2900			
Preheat—Rapid Start Extended Service Fluorescent Lamps													
40	T-10	Md. Bipin	39644-0	F40T10/CW/99	24	3.20	Cool White, Ext. Serv.	48	24000 + (205)	3200			
			28994-2	F40T10/CWX/99	24	3.60	Deluxe Cool White, Ext. Serv.	48	24000 + (205)	2270			
			35930-7	F40T10/D/99	24	3.60	Daylight, Ext. Serv.	48	24000 + (205)	2700			
			32362-6	F40T10/W/99	24	3.60	White, Ext. Serv.	48	24000 + (205)	3250			
			35742-6	F40T10/WW/99	24	3.60	Warm White, Ext. Serv.	48	24000 + (205)	3250			
			Instant Start Fluorescent Lamps F40T12/IS/60 lamps replace F40T17/IS. They are physically and electrically interchangeable.										
40	T-12	Md. Bipin	26140-4	F40T12/CW/IS	24	5.90	Cool White(206)	48	7500(202)	3100			
			26149-5	F40T12/D/IS	24	6.65	Daylight(206)	48	7500(202)	2500			
			30123-4	F40T12/WW/IS	6	6.80	Warm White(206)	48	7500(202)	3100			
	Mg. Bipin	28396-0	F40T12/CW/IS/60	24	10.50	Cool White(206)	60	7500(202)	3400				
		28395-2	F40T12/WW/IS/60	24	11.50	Warm White(206)	60	7500(202)	3400				
		High Output Fluorescent Lamps (800 ma)											
35	T-12	Recessed D.C.	26279-0	F24T12/CW/HO	24	6.70	Cool White(207)	24	9000	1700			
			26274-1	F24T12/D/HO	24	7.90	Daylight(207)	24	9000	1400			
			39127-6	F24T12/SGN/HO	24	8.10	Sign White(207)	24	9000	1320			
40	T-12	Recessed D.C.	22646-4	F30T12/CW/HO	24	8.05	Cool White(207)	30	9000	2290			
50	T-12	Recessed D.C.	26286-5	F36T12/CW/HO	24	7.25	Cool White(207)	36	9000	2900			
			26290-7	F36T12/D/HO	24	8.00	Daylight(207)	36	9000	2500			
			39126-8	F36T12/SGN/HO	24	10.25	Sign White(207)	36	9000	2200			
55	T-12	Recessed D.C.	26304-6	F42T12/CW/HO	24	7.55	Cool White(207)	42	9000	3500			
			26306-1	F42T12/D/HO	24	8.45	Daylight	42	9000	3000			
			39064-1	F42T12/SGN/HO	24	8.80	Sign White(207)	42	9000	2600			
60	T-12	Recessed D.C.	26330-1	F48T12/CW/HO	24	5.65	Cool White(207)	48	12000	4300			
			20672-2	F48T12/CW/HO	6	5.95	Cool White(207)	48	12000	4300			
			31761-0	F48T12/CWX/HO	6	6.70	Deluxe Cool White(207)	48	12000	3050			
			26337-6	F48T12/D/HO	24	6.70	Daylight(207)	48	12000	3600			
			33492-0	F48T12/MWX/HO	24	6.70	Merchandising White(207)	48	12000	3300			
			39063-3	F48T12/SGN/HO	24	7.35	Sign White(207)	48	12000	3300			
			26333-5	F48T12/WW/HO	24	6.70	Warm White(207)	48	12000	4300			
			33087-8	F48T12/N/HO	24	8.75	Natural(207)	48	12000	2700			
75	T-12	Recessed D.C.	26105-7	F60T12/CW/HO	24	6.35	Cool White(207)	60	12000	5400			
			26107-3	F60T12/D/HO	24	7.25	Daylight(207)	60	12000	4650			
			39062-5	F60T12/SGN/HO	24	8.85	Sign White(207)	60	12000	4150			
			35993-5	F60T12/WW/HO	24	7.25	Warm White(207)	60	12000	5500			



# Fluorescent Lamps

Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description	Nominal Length (In.) (201)	Aver. Life, Hrs. (202)	Approx. Initial (203) Lumens (204)
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## High Output Fluorescent Lamps (800 ma)

<b>80</b>	T-12	Recessed D.C.	26351-7	F64T12/CW/HO	24	6.35	Cool White(207)	64	12000	5800
			26354-1	F64T12/D/HO	24	7.25	Daylight(207)	64	12000	4900
			39061-7	F64T12/SGN/HO	24	8.85	Sign White(207)	64	12000	4450
<b>85</b>	T-12	Recessed D.C.	26386-3	F72T12/CW/HO	12	5.90	Cool White(207)	72	12000	6650
			26393-9	F72T12/D/HO	12	6.70	Daylight(207)	72	12000	5600
			39060-9	F72T12/SGN/HO	12	8.85	Sign White(207)	72	12000	5100
			30965-8	F72T12/SMW/HO	12	7.70	Supermarket White(207)	72	12000	5000
			31649-7	F72T12/SMW/HO	6	8.00	Supermarket White(207)	72	12000	5000
			30113-5	F72T12/WW/HO	6	7.25	Warm White(207)	72	12000	6650
			39914-7	F72T12/GO/HO	6	13.10	Gold(207)	72	12000	4400
			33096-9	F72T12/N/HO	12	9.65	Natural(207)	72	12000	4200
<b>95</b>	T-12	Recessed D.C.	26395-4	F84T12/CW/HO	12	6.35	Cool White(207)	84	12000	7800
			26396-2	F84T12/D/HO	12	6.95	Daylight(207)	84	12000	6900
			39059-1	F84T12/SGN/HO	12	8.20	Sign White(207)	84	12000	6000

## Econ-o-watt High Output Fluorescent Lamps (800 ma)

<b>98</b>	T-12	Recessed D.C.	34510-8	F96T12/CW/HO/EW	12	5.85	Cool White	96	12000	8500
			21292-8	F96T12/EW/HO/EW	12	6.50	Econ-O-White	96	12000	9100
			34755-9	F96T12/SMW/HO/EW	12	7.10	Supermarket White	96	12000	6200

## High Output Fluorescent Lamps (800 ma)

<b>110</b>	T-12	Recessed D.C.	37844-8	F96T12/CW/HO	12	5.65	Cool White(207)	96	1200	9200
			32024-2	F96T12/CW/HO	504	5.65	Cool White(207), Palletized	96	12000	9200
			32044-0	F96T12/CW/RFL/HO	12	13.25	Cool White, Reflector(207)	96	12000	7550
			37845-5	F96T12/CWX/HO	12	6.25	Deluxe Cool White(207)	96	12000	6600
			37843-0	F96T12/D/HO	12	6.25	Daylight(207)	96	12000	7800
			33508-3	F96T12/MWX/HO	12	6.75	Merchandising White(207)	96	12000	6850
			39058-3	F96T12/SGN/HO	12	7.00	Sign White(207)	96	12000	7300
			30968-2	F96T12/SMW/HO	12	6.75	Supermarket White(207)	96	12000	6660
			31650-5	F96T12/SMW/HO	6	6.95	Supermarket White(207)	96	12000	6660
			32021-8	F96T12/W/HO	12	6.25	White(207)	96	12000	9200
			32022-6	F96T12/W/HO	6	6.55	White(207)	96	12000	9200
			32019-2	F96T12/WW/HO	12	6.25	Warm White(207)	96	12000	9200
			32023-4	F96T12/GO/HO	6	12.75	Gold(207)	96	12000	6200
			33100-9	F96T12/N/HO	12	7.55	Natural(207)	96	12000	6250
<b>100</b>	T-12	Mg. Bipin	26227-9	F100T12/CW/HO	12	10.25	Cool White, Street Lighting(208)	72	7500	6950

## Super-Hi Fluorescent Lamps (1500 ma)

<b>59</b>	T-12	Recessed D.C.	21392-6	F18T12/CW/135RFL/SHO-II	12	25.45	Cool White Reflector	18	9000	1400
<b>73</b>	T-12	Recessed D.C.	20952-8	F24T12CW/135RFL/SHO-II	24	21.00	Cool White Reflector	24	9000	2400
<b>110</b>	T-12	Recessed D.C.	26316-0	F48T12CW/SHO	24	9.55	Cool White	48	12000	6900
			30116-8	F48T12/D/SHO	6	11.75	Daylight	48	12000	5940
			30115-0	F48T12/W/SHO	6	11.75	White	48	12000	7200
			30114-3	F48T12/WW/SHO	6	11.75	Warm White	48	12000	7200
<b>135</b>	T-12	Recessed D.C.	36748-2	F60T12/CW/SHO	24	12.45	Cool White	60	12000	8900
<b>160</b>	T-12	Recessed D.C.	26370-7	F72T12/CW/SHO	12	10.25	Cool White	72	12000	11100
			30111-9	F72T12/D/SHO	6	11.50	Daylight	72	12000	9380
			30110-1	F72T12/WW/SHO	6	11.50	Warm White	72	12000	11300

## Econ-o-watt Super-Hi Fluorescent Lamps (1500 ma)

<b>185</b>	T-12	Recessed D.C.	29099-9	F96T12/CW/SHO/EW	12	11.55	Cool White	96	12000	14000
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## Super-Hi Fluorescent Lamps (1500 ma)

<b>215</b>	T-12	Recessed D.C.	26422-6	F96T12/CW/SHO	12	10.75	Cool White	96	12000	15500
			26427-5	F96T12/CWX/SHO	12	11.75	Deluxe Cool White	96	12000	11000
			26444-0	F96T12/D/SHO	12	11.75	Daylight	96	12000	12900



# Fluorescent Lamps

Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description	Nominal Length (In.) (201)	Aver. Life, Hrs. (202)	Approx. Initial (203) Lumens (204)
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## Super-Hi Fluorescent Lamps (1500 ma)

<b>215</b>	T-12	Recessed D.C.	25338-5	<b>F96T12/MWX/SHO</b>	12	12.70	Merchandising White	96	12000	11900
			30108-5	<b>F96T12/W/SHO</b>	6	12.10	White	96	12000	16000
			26431-7	<b>F96T12/WW/SHO</b>	12	11.75	Warm White	96	12000	16000
<b>219</b>	T-12	Recessed D.C.	37052-8	<b>F96T12/CW/SHO-II</b>	12	11.50	Cool White(209)(213)	96	12000	15500

## Outdoor (1500 ma) T-12 Fluorescent Lamps

<b>116</b>	T-12	Recessed D.C.	32156-2	<b>F48T12/CW/SHO-0</b>	24	8.95	Cool White	48	10000	6900†
			32173-7	<b>F48T12/CW/SHO-0</b>	540	8.95	Cool White, Palletized	48	10000	6900†
			32083-8	<b>F48T12/CWX/SHO-0</b>	24	11.55	Deluxe Cool White	48	10000	5000†
<b>162</b>	T-12	Recessed D.C.	30757-9	<b>F72T12/CW/SHO-0</b>	12	9.65	Cool White	72	10000	12000†
			31596-0	<b>F72T12CW/SHO-0</b>	432	9.65	Cool White, Palletized	72	10000	12000†
<b>212</b>	T-12	Recessed D.C.	30758-7	<b>F96T12/CW/SHO-0</b>	12	10.00	Cool White	96	10000	15500†
			31597-8	<b>F96T12/CW/SHO-0</b>	504	10.00	Cool White, Palletized	96	10000	15500†

## Low Temperature Lighting Jacketed Lamps (1500 ma) T14½ (1-13/16" Dia. Jacket)

<b>116</b>	T-12	Recessed D.C.	28409-1	<b>FJ48T12/CW/SHO-0</b>	12	16.25	Cool White	48	10000	6900†
			28408-3	<b>FJ48T12/CWX/SHO-0</b>	12	20.25	Deluxe Cool White	48	10000	5000†
<b>162</b>	T-12	Recessed D.C.	28410-9	<b>FJ72T12/CW/SHO-0</b>	8	18.50	Cool White	72	10000	12000†
<b>212</b>	T-12	Recessed D.C.	28397-8	<b>FJ96T12/CW/SHO-0</b>	8	18.00	Cool White	96	10000	15500†

## Slimline Fluorescent Lamps (Instant Start)

T-6 Approx. ¾" Diameter

<b>25.5</b>	T-6	Single Pin	26291-5	<b>F42T6/CW</b>	24	7.90	Cool White(210)	42	7500	1900
			26293-1	<b>F42T6/CWX</b>	24	8.90	Deluxe Cool White(210)	42	7900	1310
			26299-8	<b>F42T6/D</b>	24	8.90	Daylight	42	7500	1640
			26294-9	<b>F42T6/WW</b>	24	8.90	Warm White(210)	42	7500	1900
			26889-6	<b>F42T6/WWX</b>	24	8.90	Deluxe Warm White(210)	42	7500	1300
<b>38.5</b>	T-6	Single Pin	26339-2	<b>F64T6/CW</b>	24	8.10	Cool White(210)	64	7500	3000
			26341-8	<b>F64T6/CWX</b>	24	9.05	Deluxe Cool White(210)	64	7500	2100
			26342-6	<b>F64T6/WW</b>	24	9.05	Warm White(210)	64	7500	3050

T-8 Approx. 1" Diameter

<b>37.5</b>	T-8	Single Pin	26355-8	<b>F72T8/CW</b>	24	8.20	Cool White(210)	72	7500	3000
			39828-9	<b>F72T8/CW</b>	6	8.45	Cool White(210)	72	7500	3000
			30375-0	<b>F72T8/CWX</b>	6	9.45	Deluxe Cool White(210)	72	7500	2100
			39829-7	<b>F72T8/WW</b>	6	9.45	Warm White(210)	72	7500	3000
<b>50</b>	T-8	Single Pin	26397-0	<b>F96T8/CW</b>	24	8.20	Cool White(210)	96	7500	4300
			39830-5	<b>F96T8/CW</b>	6	8.45	Cool White(210)	96	7500	4300
			39831-3	<b>F96T8/CWX</b>	6	9.45	Deluxe Cool White(210)	96	7500	2870
			39834-7	<b>F96T8/D</b>	6	9.45	Daylight(210)	96	7500	3450
			39833-9	<b>F96T8/W</b>	6	9.45	White(210)	96	7500	4200
			26401-0	<b>F96T8/WW</b>	24	9.20	Warm White(210)	96	7500	4200

T-12 Approx. 1½" Diameter

<b>20</b>	T-12	Single Pin	26277-4	<b>F24T12/CW</b>	24	6.10	Cool White	24	7500	1150
			26281-6	<b>F24T12/D</b>	24	7.20	Daylight	24	7500	990
<b>30</b>	T-12	Single Pin	26284-0	<b>F36T12/CW</b>	24	6.50	Cool White	36	7500	1950
			26289-9	<b>F36T12/D</b>	24	7.80	Daylight	36	7500	1680
<b>35</b>	T-12	Single Pin	26303-8	<b>F42T12/CW</b>	24	6.50	Cool White	42	7500	2300
			26305-3	<b>F42T12/D</b>	24	7.80	Daylight	42	7500	1980
<b>38.5</b>	T-12	Single Pin	26310-3	<b>F48T12/CW</b>	24	4.15	Cool White	48	9000	3000
			30358-6	<b>F48T12/CW</b>	6	4.40	Cool White	48	9000	3000
			30127-5	<b>F48T12/CW/RFL</b>	6	7.80	Cool White, Reflector	48	9000	2500
			26318-6	<b>F48T12/CWX</b>	24	4.80	Deluxe Cool White	48	9000	2100



# Fluorescent Lamps

Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description	Nominal Length (In.) (201)	Aver. Life, Hrs. (202)	Approx. Initial (203) Lumens (204)
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## Slimline Fluorescent Lamps (Instant Start)

T-12 Approx. 1 1/2" Diameter

<b>38.5</b>	T-12	Single Pin	26323-6	<b>F48T12/D</b>	24	4.80	Daylight	48	9000	2500
			33491-2	<b>F48T12/MWX</b>	24	5.25	Merchandising White	48	9000	2340
			39670-5	<b>F48T12/GO</b>	6	9.20	Gold	48	9000	2340
			30848-6	<b>F48T12/SMW</b>	24	5.25	Supermarket White	48	9000	2250
			30676-1	<b>F48T12/SMW</b>	6	5.50	Supermarket White	48	9000	2250
			37925-5	<b>F48T12/N</b>	6	5.65	Natural	48	9000	1900
			26322-8	<b>F48T12/W</b>	24	4.80	White	48	9000	3000
			26319-4	<b>F48T12/WW</b>	24	4.80	Warm White	48	9000	3000
			26902-7	<b>F48T12/WWX</b>	24	4.80	Deluxe Warm White	48	9000	2100
<b>50</b>	T-12	Single Pin	26104-0	<b>F60T12/CW</b>	24	9.70	Cool White	60	12000	3550
			27162-7	<b>F60T12/CW</b>	6	10.00	Cool White	60	12000	3550
			26106-5	<b>F60T12/D</b>	24	11.25	Daylight	60	12000	3150
<b>51</b>	T-12	Single Pin	26352-5	<b>F64T12/CW</b>	24	9.60	Cool White	64	12000	3850
			26353-3	<b>F64T12/D</b>	24	11.30	Daylight	64	12000	3200
<b>56</b>	T-12	Single Pin	26367-3	<b>F72T12/CW</b>	12	5.05	Cool White	72	12000	4600
			39835-4	<b>F72T12/CW</b>	6	5.30	Cool White	72	12000	4600
			26373-1	<b>F72T12/CWX</b>	12	5.65	Deluxe Cool White	72	12000	3100
			38901-5	<b>F72T12/CWX</b>	6	5.95	Deluxe Cool White	72	12000	3100
			26379-8	<b>F72T12/D</b>	12	5.65	Daylight	72	12000	3800
			22010-3	<b>F72T12/MWX</b>	12	6.10	Merchandising White	72	12000	3550
			30675-3	<b>F72T12/SMW</b>	12	6.10	Supermarket White	72	12000	3400
			31646-3	<b>F72T12/SMW</b>	6	6.40	Supermarket White	72	12000	3400
			37926-3	<b>F72T12/N</b>	6	7.70	Natural	72	12000	3100
			26377-2	<b>F72T12/W</b>	12	5.65	White	72	12000	4650
			26374-9	<b>F72T12/WW</b>	12	5.65	Warm White	72	12000	4650
			26912-6	<b>F72T12/WWX</b>	6	5.95	Deluxe Warm White	72	12000	3100
			39671-3	<b>F72T12/GO</b>	6	11.50	Gold	72	12000	3040
<b>65</b>	T-12	Single Pin	26109-9	<b>F84T12/CW</b>	12	9.05	Cool White	84	12000	5400
			26110-7	<b>F84T12/D</b>	12	11.00	Daylight	84	12000	4425

## Econ-o-watt Slimline Fluorescent Lamps (Instant Start)

<b>60</b>	T-12 Econ-o-watt	Single Pin	27050-4	<b>F96T12/CW/EW</b>	12	5.05	Cool White	96	12000	5400
			36150-1	<b>F96T12/CWX/EW</b>	12	5.80	Deluxe Cool White	96	1200	3800
			21290-2	<b>F96T12/EW/EW</b>	12	6.15	Econ-O-White	96	12000	6000
			20212-7	<b>F96T12/W/EW</b>	12	5.80	White	96	12000	5600
			27049-6	<b>F96T12/WW/EW</b>	12	5.80	Warm White	96	12000	5600
			34733-6	<b>F96T12/SMW/EW</b>	12	5.90	Supermarket White	96	12000	4100

## Slimline Fluorescent Lamps (Instant Start)

<b>75</b>	T-12	Single Pin	26414-3	<b>F96T12/CW</b>	12	4.95	Cool White	96	12000	6300
			26457-2	<b>F96T12/CW</b>	6	5.20	Cool White	96	12000	6300
			26417-6	<b>F96T12/CW</b>	504	4.95	Cool White, Palletized	96	12000	6300
			26421-8	<b>F96T12/CW/RFL</b>	12	9.90	Cool White, Reflector	96	12000	5200
			26425-9	<b>F96T12/CWX</b>	12	5.65	Deluxe Cool White	96	12000	4500
			38902-3	<b>F96T12/CWX</b>	6	5.90	Deluxe Cool White	96	12000	4500
			26440-8	<b>F96T12/D</b>	12	5.40	Daylight	96	12000	5450
			20439-6	<b>F96T12/D</b>	6	5.65	Daylight	96	12000	5450
			39109-4	<b>F96T12/LW</b>	12	7.50	Living White	96	12000	4750
			33507-5	<b>F96T12/MWX</b>	12	5.70	Merchandising White	96	12000	4820
			30674-6	<b>F96T12/SMW</b>	12	5.70	Supermarket White	96	12000	4660
			31647-1	<b>F96T12/SMW</b>	6	6.00	Supermarket White	96	12000	4660
			26428-3	<b>F96T12/N</b>	12	6.90	Natural	96	12000	4300
			26934-0	<b>F96T12/N</b>	6	7.15	Natural	96	12000	4300
			26434-1	<b>F96T12/W</b>	12	5.65	White	96	12000	6400
			26429-1	<b>F96T12/WW</b>	12	5.65	Warm White	96	12000	6400
			39840-4	<b>F96T12/WW</b>	6	5.95	Warm White	96	12000	6400
			26921-7	<b>F96T12/WWX</b>	12	5.65	Deluxe Warm White	96	12000	4350
			26925-8	<b>F96T12/WWX</b>	6	5.95	Deluxe Warm White	96	12000	4350



# Fluorescent Lamps

Nominal Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description	Nominal Length (In.) (201)	Aver. Life, Hrs. (202)	Approx.: Initial (203) Lumens (204)
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## Slimline Fluorescent Lamps (Instant Start)

75	T-12	Single Pin	26454-9	F96T12/CG	12	6.90	Cool Green	96	12000	5400
			39652-3	F96T12/B	6	11.25	Blue	96	12000	2500
			39653-1	F96T12/G	6	11.25	Green	96	12000	9000
			39655-6	F96T12/GO	6	11.25	Gold	96	12000	4600
			39654-9	F96T12/PK	6	11.25	Pink	96	12000	2400
			39656-4	F96T12/R	6	11.25	Red	96	12000	300

## Ultralume Slimline Fluorescent Lamps (Instant Start)

75	T-12	Single Pin	26569-4	F96T12/3000U	12	19.25	3000°K Ultralume	96	12000	5700
			26644-5	F96T12/4100U	12	18.75	4100°K Ultralume	96	12000	5700
			29210-2	F96T12/5000U	12	19.25	5000°K Ultralume	96	12000	5700

## Circline Fluorescent Lamps†

T-9 Approx. 1 1/8" Diameter

22	T-9	4-Pin	26236-0	FC8T9/CW	12	7.35	Cool White	O.D. 8 1/4	12000	1050
			26234-5	FC8T9/D	12	8.45	Daylight	O.D. 8 1/4	12000	910
			26243-6	FC8T9/WW	12	8.45	Warm White	O.D. 8 1/4	12000	1000
			26247-7	FC8T9/BL	12	13.10	Black Light(211)	O.D. 8 1/4	12000	

T-10 Approx. 1 1/4" Diameter

32	T-10	4-Pin	26248-5	FC12T10/CW	12	8.15	Cool White	O.D. 12	12000	1800
			26260-0	FC12T10/D	12	9.35	Daylight	O.D. 12	12000	1570
			26259-2	FC12T10/W	12	9.35	White	O.D. 12	12000	1830
			26255-0	FC12T10/WW	12	9.35	Warm White	O.D. 12	12000	1800
			26263-4	FC12T10/BL	12	11.25	Black Light(211)	O.D. 12	12000	
40	T-10	4-Pin	26268-3	FC16T10/CW	12	9.75	Cool White	O.D. 16	12000	2500
			26273-3	FC16T10/D	12	11.35	Daylight	O.D. 16	12000	2000

## U-Bent Fluorescent Lamps

T-12 Approx. 1 1/2" Diameter Each Leg

40	T-12	Md. Bipin	30090-5	FB40CW/6	12	7.40	U-Bent Cool White(212)	22 1/16	12000	2950
			25147-0	FB40CW/6	12	7.40	U-Bent Deluxe Cool White(212)	22 1/16	12000	2080
			30088-9	FB40W/6	12	7.40	U-Bent White(212)	22 1/16	12000	3025
			30091-3	FB40WW/6	12	7.40	U-Bent Warm White(212)	22 1/16	12000	3025

## Appliance Fluorescent Lamps (For use with Starters)

14	T-8	Md. Bipin	25914-3	F14T8/CW/15	24	4.60	Cool White	15	7500	700
			25915-0	F14T8/D/15	24	5.25	Daylight	15	7500	580
15	T-8	Md. Bipin	25938-2	F15T8/CW/24	24	6.15	Cool White	24	7500	1175
16	T-8	Md. Bipin	25989-5	F16T8/CW/26	24	6.15	Cool White	26	7500	1275
			29914-9	F16T8/CW/26	2496	6.15	Cool White, Palletized	26	7500	1275
22	T-8	Md. Bipin	26028-1	F22T8/CW/26	24	4.75	Cool White	26	7500	1275
17	T-8	Md. Bipin	25990-3	F17T8/CW/28	24	6.15	Cool White	28	7500	1350
			20195-4	F17T8/D/28	24	6.95	Daylight	28	7500	1120
18	T-8	Md. Bipin	25992-9	F18T8/CW/30	24	6.15	Cool White	30	7500	1400
20	T-12	Md. Bipin	20450-3	F20T12/D/22	24	5.20	Daylight	22	7500	900
			25999-4	F20T12/CW/26	24	4.95	Cool White	26	7500	1250
			30964-1	F20T12/CW/26	1620	4.95	Cool White, Palletized	26	7500	1250
25	T-12	Md. Bipin	26034-9	F25T12/CW/28	24	5.50	Cool White	28	7500	1600
			26042-2	F25T12/D/28	24	6.25	Daylight	28	7500	1370
			26033-1	F25T12/CW/30	24	5.85	Cool White	30	7500	1600

## Hot Cathode—Germicidal Sterilamp® Tubes (For use with Starters)

8	T-5	Min. Bipin	29930-5	G8T5	24	13.25	Clear	12	6000	
15	T-8	Md. Bipin	28824-1	G15T8	24	14.25	Clear	18	7500	
25	T-8	Md. Bipin	21650-7	G25T8	24	13.50	Clear	18	7500	
30	T-8	Md. Bipin	28825-8	G30T8	24	19.00	Clear	36	7500	



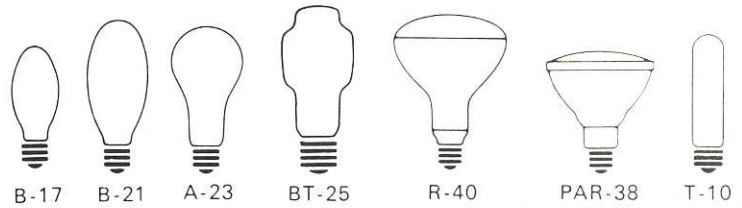
## Mercury Vapor Lamps

Lifeguard lamps with Weather Duty bulbs, except as noted.  
Lamps may be burned in any position.

Explanation of color suffix in ordering abbreviation:

/C Standard White      /R Beauty Lite  
/DX Deluxe White      /W Hi-Output White  
/N Style-Tone      No suffix—Clear  
   (non-phosphor coated)

See Safety Lifeguard Mercury Vapor Lamps for those applications where the lamps are to be used in open luminaires to light areas where activities are conducted that can result in the outer envelope being broken-away and where prolonged exposure of a population confined to the area can occur.



Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code(363) (See above)	Former Code(363) or Trade Name	Pkg. Qty.	Sugg. List Price	Description (See below)	L.C.L. (In.)	M.O.L. (In.)	Rated Aver. Life, Hrs.(351)	Approximate: Lumens(352) Initial Mean(353)
<b>40</b>	B-17	Med.	35664-2	<b>H46DL-40-50/DX</b>	H46DL/DX	12	23.75	★G(354)(379)	3 1/8	5 1/8	24000+	1140 910
			25463-1	<b>H46DL-40-50/N</b>	Style-Tone	12	26.45	★G(354)(379)	3 1/8	5 1/8	24000+	800 580
			24624-9	<b>H46DL-40-50/R</b>	Beauty Lite	12	26.45	★G(354)(379)	3 1/8	5 1/8	24000+	1100 800
<b>50</b>	B-17	Med.	35664-2	<b>H46DL-40-50/DX</b>	H46DL/DX	12	23.75	★G(354)(379)	3 1/8	5 1/8	24000+	1575 1260
			25463-1	<b>H46DL-40-50/N</b>	Style-Tone	12	26.45	★G(354)(379)	3 1/8	5 1/8	24000+	1100 830
			24624-9	<b>H46DL-40-50/R</b>	Beauty Lite	12	26.45	★G(354)(379)	3 1/8	5 1/8	24000+	1550 1150
<b>75</b>	B-21	Med.	39708-3	<b>H43AZ-75</b>	H43AZ	12	20.40	★G,S	3 3/4	6 1/2	24000+	2800 2400
			35611-3	<b>H43AY-75/DX</b>	H43AY/DX	12	23.75	★G,S(379)	3 3/4	6 1/2	24000+	2800 2250
			25462-3	<b>H43AY-75/N</b>	Style-Tone	12	26.45	★G,S(379)	3 3/4	6 1/2	24000+	2050 1600
			24627-2	<b>H43AY-75/R</b>	Beauty Lite	12	26.45	★G,S(379)	3 3/4	6 1/2	24000+	2800 2200
	PAR-38	Med. Side Prong	36132-9	<b>H43/44KL-75-100</b>		12	39.60	★PW(356)		4 3/8	16000+	1920 1230
<b>100</b>	A-23	Med.	36679-9	<b>H38LL-100</b>	H38-4LL	24	24.25	★G	3 1/2	5 5/8	24000+	4100 3450
			35658-4	<b>H38MP-100/DX</b>	H38-4MP/DX	24	26.25	★G(379)	3 1/2	5 5/8	24000+	4300 3400
			25458-1	<b>H38MP-100/N</b>	Style-Tone	24	24.90	★G(379)	3 1/2	5 5/8	24000+	3600 2800
			24633-0	<b>H38MP-100/R</b>	Beauty Lite	24	24.90	★G(379)	3 1/2	5 5/8	24000+	4300 3300
	BT-25	Mog.	31949-1	<b>H38HT-100</b>	H38-4HT	24	17.50	★G,S,B(355)	5	7 1/2	24000+	4100 3450
			24802-1	<b>H38JA-100/DX</b>	H38-4JA/DX	24	19.00	★G,S(379)	5	7 1/2	24000+	4400 3400
			25456-5	<b>H38JA-100/N</b>	Style-Tone	24	27.00	★G,S(379)	5	7 1/2	24000+	3750 2800
			30229-9	<b>H38JA-100/R</b>	Beauty Lite	24	27.00	★G,S(379)	5	7 1/2	24000+	4400 3300
	R-40	Med.	20464-4	<b>H38BM-100</b>		12	34.50	★RF,FF,W(355)		7 1/2	24000+	2850 2280
			31947-5	<b>H38BP-100/DX</b>	H38BP/DX	12	35.75	★RF,FF,VW(379)		7 1/2	24000+	2850 2300
			25457-3	<b>H38BP-100/N</b>	Style-Tone	12	37.60	★RF,FF,VW(379)		7 1/2	24000+	2450 1950
			24663-7	<b>H38BP-100/R</b>	Beauty Lite	12	37.60	★RF,FF,VW(379)		7 1/2	24000+	2850 2280
	PAR-38	Admed.Skt.	25163-7	<b>H44GS-100</b>	H38-4GS	12	39.50	★PS,B(355)(356)(357)		5 5/8	16000+	2800 1800
			25209-8	<b>H44JM-100</b>	H38-4JM	12	39.50	★PFB(355)(356)(357)		5 5/8	16000+	2800 1800
	PAR-38	Med. Side Prong	36132-9	<b>H43/44KL-75-100</b>		12	39.60	★PW,(356)		4 3/8	16000+	2800 1800
	T-10	Admed.	25098-5	<b>H44AB-100</b>	H44-4AB	6	39.50	★G,B(355)(362)	3 3/8	5 5/8	12000+	3750 3000

<b>Descriptive Symbols</b>	For color identification, see top of page and ordering abbreviation.	B Black Light	PF Projector Flood	S Street Lighting
		FF Frosted Face	PS Projector Spot	VW Very Wide Beam
		G General Lighting	RF Reflector Flood	W Wide Beam
			PW Projector Wide Flood	

Continued availability of Standard White and Hi-Output White types cannot be assured. Recommended substitutes: Beauty Lite for Hi-Output White: Deluxe White (or Style-Tone) for Standard White.

STANDARD WHITE			HI-OUTPUT WHITE		
75W	H43AY-75/C	(H43AY/C)	75W	H43AY-75/W	(H43AY/W)
100W	H38MP-100/C	(H38-4MP/C)	100W	H38MP-100/W	(H38-4MP/W)
	H38JA-100/C	(H38-4JA/C)		H38JA-100/W	(H38-4JA/W)
175W	H39KC-175/C	(H39-22KC/C)	175W	H39KC-175/W	(H39-22KC/W)
250W	H37KC-250/C	(H37-5KC/C)	250W	H37KC-250/W	(H37-5KC/W)
400W	H33GL-400/C	(H33-1-GL/C)	400W	H33GL-400/W	(H33-1-GL/W)
	H33DN-400/C	(H33-1-DN/C)		H33DN-400/W	(H33-1-DN/W)
	H33FS-400/C	(H33-1-FS/C)		H33FS-400/W	(H33-1-FS/W)
700W	H35ND-700/C	(H35-18ND/C)	700W	H35ND-700/W	(H35-18ND/W)
1000W	H34GW-1000/C	(H34-12GW/C)	1000W	H34GW-1000/W	(H34-12GW/W)
	H34KY-1000/C	(H34-12KY/C)		H34KY-1000/W	(H34-12KY/W)
	H36GW-1000/C	(H36-15GW/C)		H36GW-1000/W	(H36-15GW/W)
	H36KY-1000/C	(H36-15KY/C)		H36KY-1000/W	(H36-15KY/W)
	H36FA-1000/C	(H36-15FA/C)			



# High Intensity Discharge Lamps

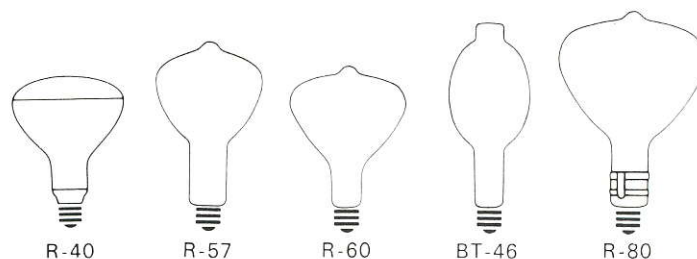
## Mercury Vapor Lamps

Lifeguard lamps with Weather Duty bulbs, except as noted. Lamps may be burned in any position.

Explanation of color suffix in ordering abbreviation:

/C Standard White  
/DX Deluxe White  
/N Style-Tone  
/R Beauty Lite  
/W Hi-Output White  
No suffix—Clear  
(non-phosphor coated)

See Safety Lifeguard Mercury Vapor Lamps for those applications where the lamps are to be used in open luminaires to light areas where activities are conducted that can result in the outer envelope being broken-away and where prolonged exposure of a population confined to the area can occur.



Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code(363) (See above)	Former Code(363) or Trade Name	Pkg. Qty.	Sugg. List Price	Description (See below)	L.C.L. (In.)	M.O.L. (In.)	Rated Aver. Life, Hrs.(351)	Approximate: Lumens(352) Initial Mean(353)
175	BT-28	Mog.	31965-7	H39KB-175	H39-22KB	12	14.00	*G,S,B(355)	5	8 3/8	24000+	7900 7400
			24805-4	H39KC-175/DX	H39-22KC/DX	12	15.25	*G,S(379)	5	8 3/8	24000+	8500 7600
			24049-9	H39KC-175/N	Style-Tone	12	22.75	*G,S(379)	5	8 3/8	24000+	7000 6000
			24806-2	H39KC-175/R	Beauty Lite	12	22.75	*G,S(379)	5	8 3/8	24000+	8500 6800
	R-40	Med.	32258-6	H39BM-175	H39-22BM	12	30.75	*RF,FF,W		7 1/2	24000+	6100 5150
			30105-1	H39BP-175/DX	H39-22BP/DX	12	34.50	*RF,FF,VW(379)		7 1/2	24000+	5750 4800
			25461-5	H39BP-175/N	Style-Tone	12	37.75	*RF,FF,VW(379)		7 1/2	24000+	4600 3650
			33739-4	H39BP-175/R	Beauty Lite	12	37.75	*RF,FF,VW(379)		7 1/2	24000+	5750 4600
	Mog.		30713-2	H39BS-175	H39-22BS	12	28.75	*RF,FF,W		7 1/2	24000+	6100 5150
			30751-2	H39BV-175/DX	H39-22BV/DX	12	28.75	*RF,FF,VW(379)		7 1/2	24000+	5750 4600
250	BT-28	Mog.	31985-5	H37KB-250	H37-5KB	12	23.75	*G,S,B(355)	5	8 3/8	24000+	12100 10500
			24814-6	H37KC-250/DX	H37-5KC/DX	12	25.00	*G,S(379)	5	8 3/8	24000+	13000 10700
			24031-7	H37KC-250/N	Style-Tone	12	37.75	*G,S(379)	5	8 3/8	24000+	11000 8400
			24840-1	H37KC-250/R	Beauty Lite	12	37.75	*G,S(379)	5	8 3/8	24000+	13000 9750
300	BT-37	Mog.	27030-6	H33CD-300	Econ-o-watt	6	18.45	*G,S(378)	7	11 1/2	16000+	14000
			27028-0	H33GL-300/DX	Econ-o-watt	6	20.65	*G,S(378)	7	11 1/2	16000+	15700
400	BT-37	Mog.	25205-6	H33CD-400	H33-1-CD	6	18.25	*G,S,B(355)	7	11 1/2	24000+	21000 18900
			24842-7	H33GL-400/DX	H33-1-GL/DX	6	20.50	*G,S(379)	7	11 1/2	24000+	23000 19100
			22760-3	H33GL-400/N	Style-Tone	6	30.75	*G,S(379)	7	11 1/2	24000+	19500 16000
			24868-2	H33GL-400/R	Beauty Lite	6	30.75	*G,S(379)	7	11 1/2	24000+	23000 16700
	R-57	Mog.	25226-2	H33FY-400	H33-1-FY	6	40.50	*G,B,RF,FF,W(355)		12 3/4	24000+	18500 16400
			25230-4	H33HS-400	H33-1-HS	6	43.95	*G,B,RF,FF,M(355)		12 3/4	24000+	17500 15200
			35660-0	H33DN-400/DX	H33-1-DN/DX	6	40.50	*G,SR(379)		12 3/4	24000+	23000 19100
	R-60	Mog.	25092-8	H33LN-400	H33-1-LN	6	45.10	*K,FF,RF(355)		10 7/8	24000+	17200 15000
			35661-8	H33FS-400/DX	H33-1-FS/DX	6	55.50	*K,FF,RF(379)		10 7/8	24000+	15500 12400
700	BT-46	Mog.	25114-0	H35NA-700	H35-18NA	6	50.25	*G,S(355)(358)		14 1/2	24000+	41000 35700
			35662-6	H35ND-700/DX	H35-18ND/DX	6	53.00	*G,S(358)(379)		14 1/2	24000+	43000 33600
			21305-8	H35ND-700/N	Style-Tone	6	76.35	*G,S(358)(379)		14 1/2	24000+	36400 29850
1000	BT-56	Mog.	25104-1	H34GV-1000	H34-12GV	6	57.50	*G,B(355)(359)	9 1/2	15 3/8	16000+	55000 44000
			35659-2	H34GW-1000/DX	H34-12GW/DX	6	60.25	*G(359)(379)	9 1/2	15 3/8	16000+	60000 45000
			25107-4	H36GV-1000	H36-15GV	6	42.00	*G,S,B(355)(359)(361)	9 1/2	15 3/8	24000+	57500 48400
			39707-5	H36GW-1000/DX	H36-15GW/DX	6	42.00	*G,S(359)(361)(379)	9 1/2	15 3/8	24000+	63000 47500
	R-80	Mog.Skt. Clamp	25452-4	H36GW-1000/N	Style-Tone	6	60.00	*G,S(359)(361)(379)	9 1/2	15 3/8	24000+	53500 38000
			32959-9	H36GW-1000/R	Beauty Lite	6	60.00	G,S(359)(361)(379)	9 1/2	15 3/8	24000+	63000 44700
			31918-6	H36KY-1000/DX	H36KY/DX	6	66.75	*G,SR(359)(379)	9 1/2	15 3/8	24000+	58000 37700
			30219-0	H36FB-1000	H36-15FB	4	140.75	*K,FF,RF(355)(359)		13 7/8	24000+	46000 39800
			33747-7	H36FA-1000/DX	H36FA/DX	4	142.50	*K,RF(359)(379)		13 7/8	24000+	49000 32000

### Descriptive Symbols

For color identification, see top of page and ordering abbreviation.

B Black Light  
FF Frosted Face  
G General Lighting

PF Projector Flood  
PS Projector Spot  
RF Reflector Flood  
PW Projector Wide Flood

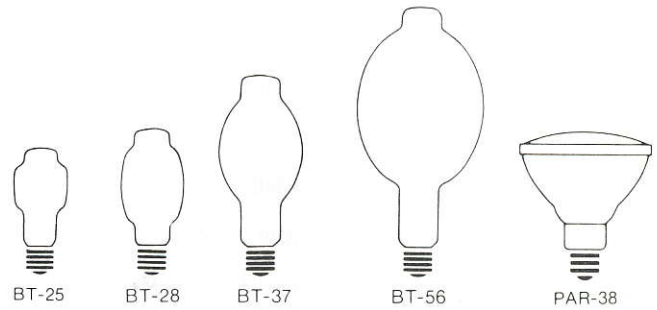
S Street Lighting  
VW Very Wide Beam  
W Wide Beam



## Safety Lifeguard Mercury Vapor Lamps

The Safety Lifeguard Lamps listed below have been designed by Westinghouse to eliminate the possibility of exposure to ultraviolet energy which may occur with the accidental or malicious breakage of the outer glass envelope. It is recommended that they be used in applications where the lamps are in open luminaires lighting activities where the outer envelope can be broken away and where prolonged exposure of a population confined to the area can occur.

In case of lamp failure, for safety and to preserve ballast life, turn off electric power and replace lamp promptly.



Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code(363) (See above)	Former Code(363) or Trade Name	Pkg. Qty.	Sugg. List Price	Description (See Page 44)	L.C.L. (In.)	M.O.L. (In.)	Rated Aver. Life, Hrs.(351)	Approximate: Lumens(352)	
												Initial	Mean(353)
<b>100</b>	BT-25	Mog.	20182-2	H38HT-T100		24	27.70	*G,S,B(355)	5	7 1/2	24000+	4100	3450
			21080-6	H38JA-T100/DX		24	29.80	*G,S(379)	5	7 1/2	24000+	4400	3400
			20178-0	H38JA-T100/N		24	42.80	*G,S(379)	5	7 1/2	24000+	3750	2800
			20185-5	H38JA-T100/R		24	38.95	*G,S(379)	5	7 1/2	24000+	4400	3300
<b>175</b>	BT-28	Mog.	25291-6	H39KB-T175		12	28.90	*G,S,B(355)	5	8 3/8	24000+	7900	7400
			25269-2	H39KC-T175/DX		12	32.00	*G,S(379)	5	8 3/8	24000+	8500	7600
			25270-0	H39KC-T175/N		12	46.60	*G,S(379)	5	8 3/8	24000+	7000	6000
			25271-8	H39KC-T175/R		12	46.60	*G,S(379)	5	8 3/8	24000+	8500	6800
<b>250</b>	BT-28	Mog.	38657-3	H37KB-T250		12	37.60	*G,S,B(355)	5	8 3/8	24000+	12100	10500
			38663-1	H37KC-T250/OX		12	40.15	*G,S,(379)	5	8 3/8	24000+	13000	10700
			38669-8	H37KC-T250/N		12	59.55	*G,S(379)	5	8 3/8	24000+	11000	8400
			38670-6	H37KC-T250/R		12	59.55	*G,S(379)	5	8 3/8	24000+	13000	9750
<b>400</b>	BT-37	Mog.	25298-1	H33CD-T400		6	32.45	*G,S,B(355)	7	11 1/2	24000+	21000	18900
			25292-4	H33GL-T400/DX		6	36.05	*G,S(379)	7	11 1/2	24000+	23000	19100
			25295-7	H33GL-T400/N		6	53.70	*G,S(379)	7	11 1/2	24000+	19500	16000
			25296-5	H33GL-T400/R		6	53.70	*G,S(379)	7	11 1/2	24000+	23000	16700
<b>1000</b>	BT-56	Mog.	20741-5	H36GV-T1000		6	74.10	*G,S,B(355) (358)(359)(361)	9 1/2	15 3/8	24000+	57500	48400
			20742-3	H36GW-T1000/DX		6	74.10	*G,S(359)(361)(379)	9 1/2	15 3/8	24000+	63000	47500
			20756-3	H36GW-T1000/N		6	106.05	*G,S(359)(361)(379)	9 1/2	15 3/8	24000+	53500	38000
			20744-9	H36GW-T1000/R		6	106.05	*G,S(359)(361)(379)	9 1/2	15 3/8	24000+	63000	44700

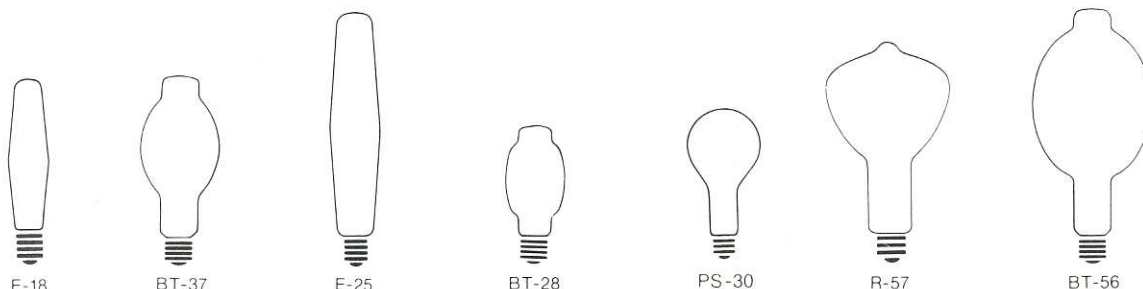
## Ceramelux™ High Pressure Sodium Lamps

Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Lamp Volts Burning Position	Pkg. Qty.	Sugg. List Price	Description	L.C.L. (In.)	M.O.L. (In.)	Rated Aver. Life, Hrs.(351)	Approximate: Lumens(352)	
												Initial	Mean(353)
<b>70</b>	BT-25	Mog.	27246-8	C70S62	52V Any Clear	12	54.00	*G,S(360) (373)(376)	5	7 3/8	24000	5800	5220
			27234-4	C70S62/D	52V Any Diffuse	12	56.00	*G,S(360) (373)(376)	5	7 3/8	24000	5400	4860
	PAR-38	Med. Side Prong	20474-3	C70S62/PAR	52V Any Clear	12	75.00	*PW(357) (360)(373)		4 3/8	7500	4500	
<b>100</b>	BT-25	Mog.	36370-5	C100S54	55V Any Clear	12	56.00	*G,S(360) (373)(376)	5	7 3/8	24000	9500	8550
			27272-4	C100S54/D	55V Any Diffuse	12	58.00	*G,S(360) (373)(376)	5	7 3/8	24000	8800	7900
<b>150</b>	BT-25	Mog.	36114-7	C150S55	55V Any Clear	12	56.00	*G,S(360)(370) (373)(376)	5	7 3/8	24000	16000	14400
			36328-3	C150S55/D	55V Any Diffuse	12	58.00	*G,S(360)(370) (373)(376)	5	7 3/8	24000	15000	13500
	BT-28	Mog.	28358-0	C150S56	100V Any Clear	12	56.00	*G,S(360)(370) (373)(376)	5	8 3/8	24000	16000	14400
			36329-1	C150S56/D	100V Any Diffuse	12	58.00	*G,S(360)(370) (373)(376)	5	8 3/8	24000	15000	13500



# High Intensity Discharge Lamps

## Ceramalux™ High Pressure Sodium Lamps



Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Lamp Volts Burning Position	Pkg. Qty.	Sugg. List Price	Description	L.C.L. (In.)	M.O.L. (In.)	Rated Aver. Life (351) (Hrs.)(364)	Approximate: Lumens(352)	
<b>200</b>	E-18	Mog.	20227-5	<b>C200S66</b>	100V Any Clear	12	58.00	★G.S.(360)(373)(376)	5¾	9¾	24000	22000	19800
<b>250</b>	E-18	Mog.	32553-0	<b>C250S50</b>	100V Any Clear	12	58.00	★G.S.(360)(373)(376)	5¾	9¾	24000	27500	24750
	BT-37	Mog.	36326-7	<b>C250S50/D</b>	100V Any Diffuse	6	60.00	★G.S.(360)(373)(376)	7	11½	24000	25900	23300
<b>310</b>	E-18	Mog.	20226-7	<b>C310S67</b>	100V Any Clear	12	59.00	★G.S.(360)(373)(376)	5¾	9¾	24000	37000	33300
<b>400</b>	E-18	Mog.	32784-1	<b>C400S51</b>	100V Any Clear	12	60.00	★G.S.(360)(373)(376)	5¾	9¾	24000	50000	45000
	BT-37	Mog.	36324-2	<b>C400S51/D</b>	100V Any Diffuse	6	62.00	★G.S.(360)(373)(376)	7	11½	24000	47500	42750
<b>1000</b>	E-25	Mog.	35891-1	<b>C1000S52/BU</b>	250V Base-Up to Horizontal Clear	6	151.80	★G.S.(359)(360)(362)(373)(376)	8¾	15⅞	24000	140000	126000
			35892-9	<b>C1000S52/BD</b>	250V Base Down to Horizontal Clear	6	151.80	★G.S.(359)(360)(362)(373)(376)	8¾	15⅞	24000	140000	126000

## Ceramalux-4 High Pressure Sodium Lamps

For good color rendition.

<b>250</b>	E-18	Mog.	21356-1	<b>C250S50/DX4</b>	100V Any Clear	12	64.00	G.S.(376)	5¾	9¾	7500	25000	22500
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## "Econolux" High Pressure Sodium Lamps

For operation on mercury lag type autotransformer ballasts or 240-277 Volt reactors. Will operate on most mercury series circuits.

Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Lamp Volts Burning Position	Pkg. Qty.	Sugg. List Price	Description (See Page 44)	L.C.L. (In.)	M.O.L. (In.)	Rated Aver. Life (351)(Hrs.)(364)	Approximate: Lumens(352)	
<b>150</b>	BT-28	Mog.	20263-0	<b>C150S63/EL</b>	Any	12	56.00	★G.S.(376)	5	8⅞	12000	13000	11700
<b>215</b>	BT-28	Mog.	20262-2	<b>C215S65/EL</b>	Any	12	58.00	★G.S.(376)	5	8⅞	12000	20000	18000

## Self-Ballasted Mercury Lamps

Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description (Burning Position — Any, unless otherwise indicated)	L.C.L. (In.)	M.O.L. (In.)	Rated Aver. Life (351) (Hrs.)(364)	Approximate: Lumens(352)	
<b>160</b>	PS-30	Med.	34987-8	<b>S160PS30/DX</b>	24	38.00	★General Ltg. 120V Deluxe White(362)(368)(369)	5⅞	7⅞	16000	2200	1800
<b>450</b>	BT-37	Mog.	30466-7	<b>S450BT37</b>	6	101.30	★General Ltg. 120V — Clear Base-up ±75°(368)(369)	7	11½	16000	9100	8280
			39578-0	<b>S450BT37</b>	6	78.30	★General Ltg. 208V — Clear(365)(366)	7	11½	16000	11300	9700
			36860-5	<b>S450BT37</b>	6	78.30	★General Ltg. 230V — Clear(365)(367)	7	11½	16000	10500	9500
			20044-4	<b>S450BT37</b>	6	78.30	★General Ltg. 250V — Clear(365)(367)	7	11½	16000	9850	9050
			30467-5	<b>S450BT37/C</b>	6	106.25	★General Ltg. 120V — Std. White Base-up ±75°(368)(369)	7	11½	16000	8200	6970

<b>Descriptive Symbols</b>	For color identification, see top of page and ordering abbreviation.	B Black Light	PF Projector Flood	S Street Lighting
		FF Frosted Face	PS Projector Spot	VW Very Wide Beam
		G General Lighting	RF Reflector Flood	W Wide Beam
			PW Projector Wide Flood	



# High Intensity Discharge Lamps

## Self-Ballasted Mercury Lamps

Lamp Watts	Bulb	Base	NAED Number 6677-	Ordering Code	Pkg. Qty.	Sugg. List Price	Description (Burning Position — Any, unless otherwise indicated)	L.C.L. (In.)	M.O.L. (In.)	Rated Aver. Life Hrs.(351)	Approximate:	
											Lumens(352) Initial	Mean(353)
<b>450</b>	BT-37	Mog.	39579-8	<b>S450BT37/C</b>	6	85.10	★General Ltg. 208V — Std. White(365)(366)	7	11½	16000	10500	8500
			38516-1	<b>S450BT37/C</b>	6	85.10	★General Ltg. 230V — Std. White(365)(367)	7	11½	16000	9700	8300
			20042-8	<b>S450BT37/C</b>	6	85.10	★General Ltg. 250V — Std. White(365)(367)	7	11½	16000	9200	8000
			33756-8	<b>S450BT37/C</b>	6	82.35	★General Ltg. 270V — Std. White(365)(367)	7	11½	16000	8900	7750
<b>750</b>	R-57	Mog.	29620-2	<b>S750R57</b>	6	149.00	★General Ltg. 120V — Refl. I.F. Base-up ±75°(368)(369)		12¾	16000	14000	11200
			39269-6	<b>S750R57/C</b>	6	140.25	★General Ltg. Semi-Ref. 208V — Std. White(365)(366)		12¾	16000	18200	14600
			36861-3	<b>S750R57/C</b>	6	140.25	★General Ltg. Semi-Ref. 230V — Std. White(365)(367)		12¾	16000	17800	15100
			36864-7	<b>S750R57/C</b>	6	140.25	★General Ltg. Semi-Ref. 250V — Std. White(365)(367)		12¾	16000	17300	15400
			30206-7	<b>S750R57/C</b>	6	140.25	★General Ltg. Semi-Ref. 270V — Std. White(365)(367)		12¾	16000	16500	14400
	R-60	Mog.	20561-7	<b>S750R60/C</b>	6	156.75	★General Ltg. 120V — Refl. Std. White Base-up ±75°(368)(369)		10¾	16000	11500	
			32171-1	<b>S750R60</b>	6	140.25	★General Ltg. 250V — Refl. I.F.(365)(367)		10¾	16000	15000	

## Metal Halide Lamps

<b>175</b> (Use in enclosed fixtures only)  Operate on ANSI specified "M57" Metal Halide Ballasts.	BT-28	Mog.	29803-4	<b>MH175-BU/4</b>	12	42.00	★Gen. & St. Ltg. Base-up ±15° (372)(374)(377)	5	8¾	7500	14000	10800
			20201-0	<b>MH175-BD/4</b>	12	42.00	★Gen. & St. Ltg. Base-down ±15°(372)(374)(377)	5	8¾	7500	14000	10800
			29819-0	<b>MH175-BU/C</b>	12	45.00	★Gen. & St. Ltg. Phos. Coated Base-up ±15°(372)(374)(377)	5	8¾	7500	14000	10200
			20202-8	<b>MH175-BD/C</b>	12	45.00	★Gen. & St. Ltg. Phos. Coated Base-down ±15°(372)(374)(377)	5	8¾	7500	14000	10200
<b>250</b> (Use in enclosed fixtures only)  Operate on ANSI specified "M58" Metal Halide Ballasts.	BT-28	Mog.	20770-4	<b>MH250-BU/4</b>	12	45.75	★Gen. & St. Ltg. Base-up ±15° (372)(374)(377)	5	8¾	7500	20500	17000
			20907-2	<b>MH250-BD/4</b>	12	45.75	★Gen. & St. Ltg. Base-down ±15°(372)(374)(377)	5	8¾	7500	20500	17000
			20771-2	<b>MH250-BU/C</b>	12	48.75	★Gen. & St. Ltg. Base-up ±15° (372)(374)(377)	5	8¾	7500	20500	16000
			20886-8	<b>MH250-BD/C</b>	12	48.75	★Gen. & St. Ltg. Base-down ±15°(372)(374)(377)	5	8¾	7500	20500	16000
<b>400</b>  Operate on ANSI specified "M59" Metal Halide Ballasts.	BT-37	Mog.	20743-1	<b>MH400BU/4</b>	6	43.25	★Gen. & St. Ltg. Clear Base-up to Hor.(372)(374)(377)	7	11½	15000 (364)	34000	25600
			20745-6	<b>MH400BD/4</b>	6	43.25	★Gen. & St. Ltg. Clear Base-down to Hor.(372)(374)(377)	7	11½	15000 (364)	34000	25600
			33544-8	<b>MH400BU/C</b>	6	48.50	★Gen. & St. Ltg. Phos. Coated Base-up to Hor.(372)(374)(377)	7	11½	15000 (364)	34000	24600
			33546-3	<b>MH400BD/C</b>	6	48.50	★Gen. & St. Ltg. Phos. Coated Base-down to Hor.(372)(374)(377)	7	11½	15000 (364)	34000	24600
<b>1000</b>  Operate on ANSI specified "M47" Metal Halide Ballasts.	BT-56	Mog.	20469-3	<b>MH1000BU/4</b>	6	96.25	★Gen. & St. Ltg. Clear Base-up to Hor.(359)(362)(372)(374)(377)	9½	15¾	10000 (364)	105000	83000
			20461-0	<b>MH1000BD/4</b>	6	96.25	★Gen. & St. Ltg. Clear Base-down to Hor.(359)(362)(372)(377)	9½	15¾	10000 (364)	105000	83000
			27035-5	<b>MH1000BU/C</b>	6	105.00	★Gen. & St. Ltg. Phos. Coated Base-up to Hor.(359)(362)(372)(374)(377)	9½	15¾	10000 (364)	100000	79000
			27036-3	<b>MH1000BD/C</b>	6	105.00	★Gen. & St. Ltg. Phos. Coated Base-down to Hor.(359)(362)(372)(374)(377)	9½	15¾	10000 (364)	100000	79000
<b>1500</b> Operate on ANSI specified "M48" Metal Halide Ballasts.	BT-56	Mog.	23028-4	<b>MH1500BU</b>	6	105.00	★Gen. & St. Ltg. Base-up to Hor.(359)(362)(372)(374)(377)	9½	15¾	1500	155000	142000
			23020-1	<b>MH1500BD</b>	6	105.00	★Gen. & St. Ltg. Base-down to Hor.(359)(362)(372)(374)(377)	9½	15¾	1500	155000	142000

## Short Arc Lamps

<b>250</b>	T-12	Med.Pf.	31645-5	<b>SAH250A</b>	10	322.50	A.C. Operation only	2.80	6	300	10000	
			31644-8	<b>SAH250B</b>	10	322.50	D.C. Operation only	2.80	6	2000	10000	



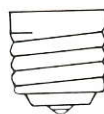
# Westinghouse Base Types and Designations With Abbreviations

(Not Actual Sizes)

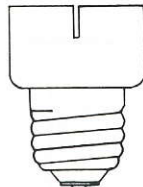
Medium  
Med.



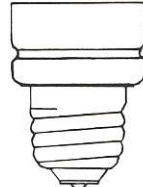
Medium  
Three Contact  
3 C. Med.



Medium  
Skirted  
Med. Skt.



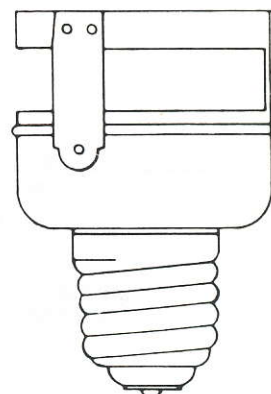
Medium  
Skirted  
Med. Skt.



Medium  
Prefocus  
Med. Pf.



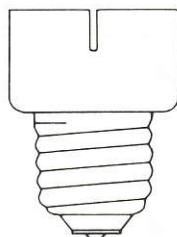
Mogul Skirted Clamp  
Mog. Skt. Clmp.



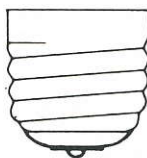
Admedium  
Admed.



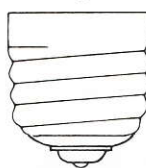
Admedium  
Skirted  
Ad. Skt.



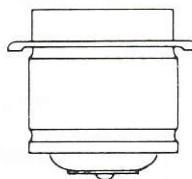
Mogul  
Mog.



Three Contact  
Mogul  
3C. Mog.



Mogul  
Prefocus  
Mog. Pf.



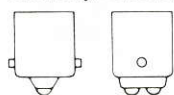
Mini-Can.



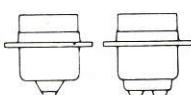
Candelabra  
Cand.



Candelabra  
Bayonet Single  
or Double Contact  
S.C. Bay. D.C. Bay.



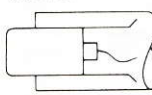
Candelabra  
Prefocus  
S.C. Pf. D.C. Pf.



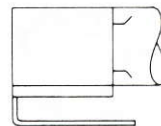
Intermediate  
Inter.



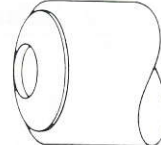
Recessed  
Single  
Contact  
R.S.C.



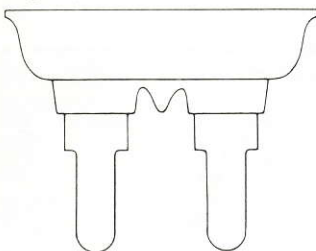
Metal Sleeve  
Flexible  
Lead



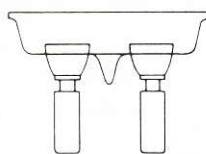
Disc  
Lumiline



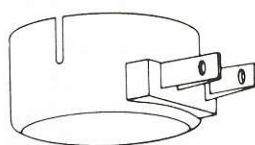
Mogul Bipost  
Mg. Bip. (Two Sizes)



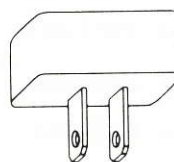
Medium Bipost  
Md. Bip.



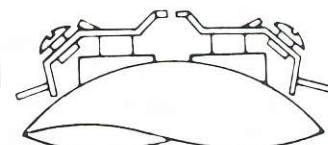
Medium Side Prong



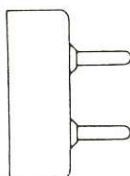
Insul. End Prong,  
Mogul  
End Prong



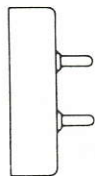
Multipurpose  
M-P



Mogul  
Bipin T-12  
Mog. Bipin.



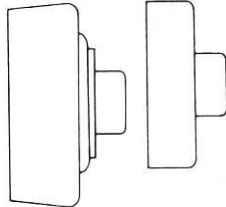
Medium  
Bipin T-12/T-8  
Md. Bipin



Miniature  
Bipin T-5  
Min. Bipin



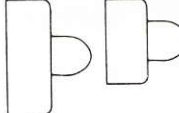
Recessed Double  
Contact T-12  
Recessed D.C.



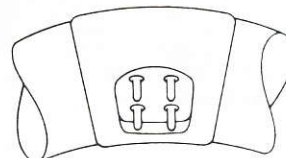
Single Pin  
T-12



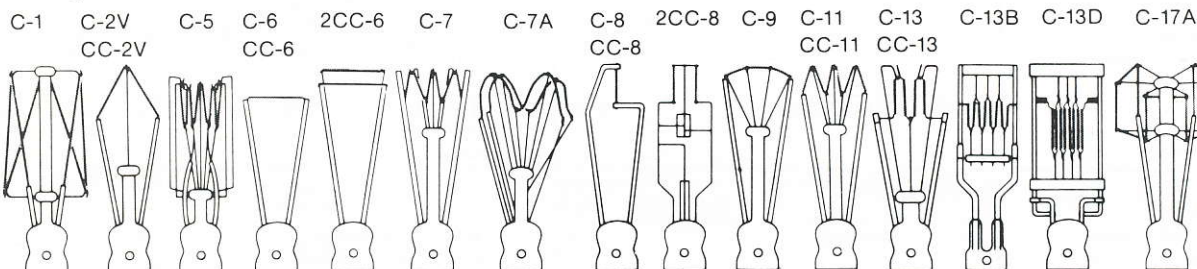
Slimline  
T-8 T-6



Circline  
4-Pin



## Filament Designations



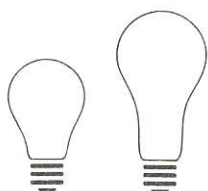
Filament Designations consist of a letter or letters to indicate whether the wire is straight or coiled, and an arbitrary number sometimes followed by a letter to indicate the arrangement of the filament on the supports. Prefix letters include: S (straight)—wire is straight or slightly corrugated; C (coil)—wire is wound into a helical coil or it may be deeply fluted; CC (coiled coil)—wire is wound into a helical coil and this coiled wire again wound into a helical coil. Some of the more commonly used types of filament arrangements are illustrated.



# Westinghouse Bulb Shapes and Bulb Sizes

The size and shape of a bulb is designated by a letter or letters followed by a number. The letter indicates the shape of the bulb while the number indicates the diameter of the bulb in eighths of an inch. For example, "T-10" indicates a tubular shaped bulb having a diameter of 10/8 or 1 1/4 inches. The following illustrations show some of the more popular bulb shapes and sizes.

**A**



A-19

A-23

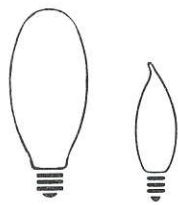
**B**



B-10 1/2

B-17

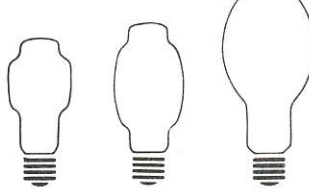
**BA**



B-21

BA-9

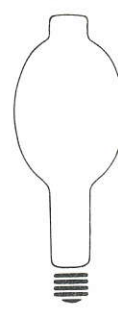
**BT**



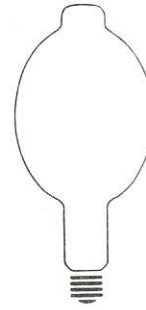
BT-25

BT-28

BT-37



BT-46



BT-56

**C**



C-7

**DC**



DC-17

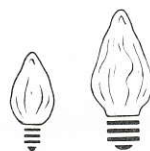
**E**



E-18

E-25

**F**



F-10

F-15

**G**



G-16 1/2



G-25



G-40



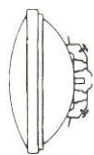
G-48

**P**



P-25

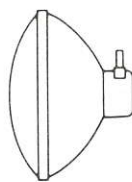
**PAR**



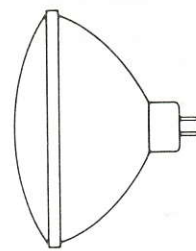
PAR-36  
Multipurpose



PAR-38



PAR-46  
Side Prong



PAR-64 End Prong

**PS**



PS-25



PS-52

**R**



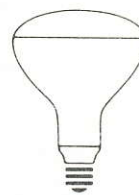
R-12



R-20

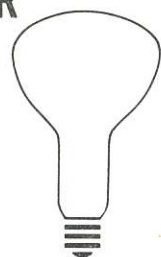


R-30

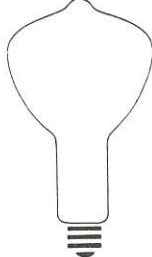


R-40

**R**



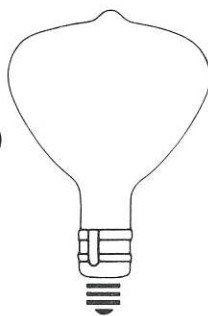
R-52



R-57



R-60



R-80

**RP**



RP-11

**S**



S-6



S-11



S-14

**T**



T-6

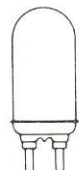


T-10

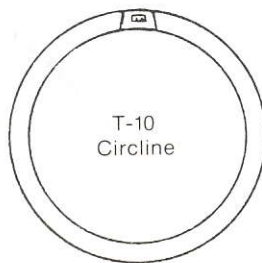


T-19

**T**



T-30



T-10  
Circline



T-6 Single Pin Slimline



T-8 Medium Bipin



T-9 1/2



T-12 Jacketed



T-12 Recessed Double Contact



"U" Bent Lamp



## Footnotes—Incandescent Lamps

- Quantity shown is minimum shipping container — Refer to Net Price Schedule for number of lamps to qualify as a standard case.
  - \* Price for 96 Lamp Tra-Pak.
  - ▲ Aluminum base.
  - ★ Heat resisting glass bulb.
  - ✱ Although the lamp is of the highest quality in material and workmanship, it has been designed to meet certain purchase requirements which preclude a guarantee of performance.
- (3) Indefinite-long life.
  - (4) Average laboratory life is 200 hours for vacuum cleaner and 600 hours for sewing machine service. Design life 1000 hours.
  - (5) Not recommended for general lighting service.
  - (6) Light inside frosted and side aluminized. Medium screw base with spring contact. M.O.L. is exclusive of spring contact.
  - (7) Average overall length.
  - (8) Burn base down.
  - (9) This lamp should be shielded from moisture to prevent breakage.
  - (10) Burning position — horizontal.
  - (11) Design volts 115.
  - (12) Burn base down to horizontal.
  - (13) Not recommended for horizontal burning.
  - (14) Burn base up.
  - (15) Burn base down. Filaments operated separately.
  - (16) Flexible connector not included in maximum overall length.
  - (17) Designed for use only in special equipment.
  - (19) May not give satisfactory performance if any accessory equipment is attached to or touches the glass bulb.
  - (20) Average initial cone lumens: spot-220 (30°), flood-270 (60°); approximate initial mean candlepower in 10° cone at 10': spot-1800, flood-430.
  - (21) Nominal watts. Actual watts are determined by multiplying the volts by the amperes.
  - (22) Unsatisfactory lamp operation is likely to occur in burning positions between horizontal and base up, particularly between 45° from base up, and base up.
  - (23) May be burned in any position.
  - (25) Base pins approximately parallel to plane of filament.
  - (27) Average laboratory life in excess of 5000 hours. In-service life depends upon service conditions.

- (28) Burn horizontal with offset filament in down position.
- (29) Suitable for indoor and outdoor service.
- (30) Average initial cone lumens: spot-1100 (30°), flood-1350 (60°); approximate initial mean candlepower in 10° cone at 10': spot-10,500, flood-3400.
- (31) Burn only in porcelain sockets.
- (32) For use only with heat resistant connector and with lamp supported by bulb rim or metal shell of base.
- (33) Burning position — plane through lamp axis and base terminals horizontal.
- (35) Filaments operated separately or in multiple.
- (36) Average initial cone lumens: spot-660 (30°), flood-810 (60°); approximate initial maximum mean candlepower in 10° cone at 10': spot-6000, flood-1250.
- (37) Should not be used in equipment where the base temperature will exceed 500° F.
- (38) Approximate hours life 200/200: approximate initial lumens — 2000/2100.
- (39) Bulb sides selected for minimum glass imperfections.
- (40) Ceramic sleeve with approx. 6" flexible leads.
- (41) For intermittent burning only. Bulb natural red purple. Burning period not to exceed five minutes, and cooling time approximately twice burning period.
- (43) Unless otherwise noted, may be burned in any position but lumen maintenance is best when burned vertically base up.
- (46) Stippled, rounded cover.
- (47) Leads parallel to lamp axis. OAL does not include leads.
- (48) Average initial cone lumens: spot-1450 (30°), flood-1500 (60°); approximate initial maximum mean candlepower in 10° cone at 10': spot-13,500, flood-2400.
- (49) Should not be used in equipment where the seal temperature exceeds 750° F.
- (51) Light output is maintained best when burned within 45° of vertically base up.
- (52) For use only in a fixture with a well-ventilated back.
- (53) The bulb though made of heat resistant glass, may break if moisture falls on it. Not recommended for use in enclosed close-fitting housings.

- (54) Burn within 25° of vertically base up. Collector grid.
- (55) For use only with heat resistant connector and with lamp supported by bulb rim.
- (56) Recommended burning position any within 60° of vertically base up or base down but lumen maintenance is best when burned vertically base up.
- (57) When burned in a position other than horizontal, lamp end marked, "This end up" should be higher than the other end.
- (58) Lighted length includes shorted sections of filament.
- (59) Life dependent upon service conditions.
- (60) Design volts 480.
- (61) Design volts 570.
- (62) Design volts 600.
- (63) Design volts 145.
- (64) For use only in equipment specially designed to maintain bulb and base temperature within safe limits.
- (65) AA tolerance  $1/32"$ , LCL tolerance  $3/64"$ .
- (66) Tuff-Skin Coating reduces lumen output from Standard Values less than 5%.
- (67) Nominal lumens.
- (68) Lighted length value refers to light center length for this lamp.
- (69) In household use where comparatively short-burning periods are involved, lamp service life has been estimated as approximately 1000 applications. For use on 50-60 Cycle A.C., 115-125 volt circuits. No auxiliary electrical equipment is required.
- (70) Watts Nominal.
- (71) Burning Position — Prongs up or Down.
- (72) Light Center Length & axial alignment tolerance  $1/64"$ .
- (73) Three-wire connection with both filaments in multiple.
- (74) Single contact medium bayonet base without pins having 2 or 3 pin focusing sleeve as indicated.
- (75)  $2\frac{3}{4}"$  diameter unsilvered spot on end of bulb.
- (76) Design Volts — 230.
- (77) Collector grid.
- (78) Intermittent Burning.
- (80) For operation in series with ballast and one 14W fluorescent lamp on 60 Volt D.C. circuits.
- (81) LCL & Axial Alignment tolerances  $1/32"$ .

## Footnotes—Fluorescent Lamps

- Because of frequent improvements, the values listed may not be current ratings. For design purposes, obtain ratings from current technical bulletins.
  - † Peak values
  - ‡ Rapid start design for operation in preheat, trigger start or rapid start fixtures.
  - Quantity shown is minimum shipping container — Refer to Net Price Schedule for number of lamps to qualify as a standard case.
- (201) Nominal length is the overall length of one lamp base face to base face, plus two standard lamp holders.
  - (202) Average life under specified test conditions with lamps turned off and restarted no oftener than once every 3 burning hours. Lamp life is appreciably longer if lamps are started less frequently.

- (203) Actual lumens produced will depend on the operating conditions; chiefly on the ballast used and the line voltage applied.
- (204) Approximate initial lumens after 100 hours operation.
- (205) Approx. hours life value for F40 lamps apply to rapid start burning at 3 or more burning hours per start. On preheat circuits rated average life at 3 or more burning hours per start is 15000 + hours. F40/99 under similar operation is 19000 + hours.
- (206) The pins of these lamps are short circuited inside the end caps and lamp will not operate on preheat or rapid start ballast circuits.
- (207) Approximate initial Lumens are for 800 ma. operation. For 1000 ma. operation Lumens are approximately 10% higher and watts approximately 15% higher.
- (208) Approximate initial lumens are for operation at 1000 ma. Life under specified test conditions with lamps turned off and restarted no oftener than once every 10 burning hours.

- (209) Operation on existing single lamp ballasts is not recommended because of marginal starting.
- (210) Approximate initial lumens are for operation at 200 ma.
- (211) Designed for service other than illumination.
- (212) Nominal length measured from face of base to maximum distant outside point of U. Measurement does not include base pins. Leg spacing center to center approx. 6".
- (213) Unique construction maintains light output over a wide range of operating temperatures.
- (214) Life at 3 or more burning hours per start.
- (215) This lamp will operate on rapid start circuits provided ambient temperature is above 60° F, line voltage is 116 volts or higher and the lamps are located within  $1/4"$  of the grounded starting aid (usually the reflector). Life will be 20000 hours at 3 or more hours per start.



## Footnotes—High Intensity Discharge Lamps

- Quantity shown is minimum shipping container — Refer to Net Price Schedule for number of lamps to qualify as a standard case.
  - Because of frequent improvements, the values listed may not be current ratings. For design purposes, obtain ratings from current technical bulletins.
  - ★ Heat resisting glass bulb.
- (351) Rated average life is the life obtained, on the average, from large representative groups of lamps in laboratory tests under controlled conditions at 5 or more burning hours per start. It is based on survival of at least 50% of the lamps and allows for individual lamps, or groups of lamps, to vary considerably from the average.
  - (352) Values for vertical operation of lamp.
  - (353) Average lumen maintenance (mean lumens) is for 16000 hours operation, except that it is for published life, where less than 16000 hours.
  - (354) For operation at 40 watts use ballast designed for H45 mercury lamps.
  - (355) Separate filter is required for black light application.
  - (356) Opaque coating on reflecting section of bulb.
  - (357) Protect bulb from moisture when used in base down position. Non Weather Duty bulb.
  - (359) Electrically insulated support for bulb may be required, especially in horizontal and nearly horizontal operating positions.
  - (360) Follow fixture manufacturer's recommendations regarding proximity of ballast to bulb.
  - (361) Operated at 700 watts, approximate average life, 24,000 hours plus (+). Operated at 1500 watts, approximately average life, 2000 hours.
  - (362) This lamp should be shielded from moisture to prevent breakage.

- (363) These ordering abbreviations generally conform to the designation system of the American National Standards Institute, which has been changed to include lamp wattage. Other High Intensity Discharge lamps will be changed as ANSI codes are developed.
- (364) Rated life to 50% survival at 10 or more burning hours per start; otherwise as in footnote 351.
- (365) Supply voltage must be held to  $\pm 10$  volts of rated lamp voltage.
- (366) Lamps will start down to 15°F.
- (367) Lamps will start down to -10°F.
- (368) Supply voltage must be held to  $\pm 5$  volts of rated lamp voltage.
- (369) Lamps will start down to 0°F.
- (370) C150S55 and C150S56 lamps are not electrically interchangeable. Different ballasts are required for the proper operation of each lamp type. ANSI type S55 ballast is for the 55 volt (nominal) lamp and the ANSI type S56 ballast is for the 100 volt (nominal) lamp.
- (372) Color characteristics may vary somewhat from one lamp type to another. Time should be allowed for the lamp to stabilize in color when it is turned on for the first time or if for any reason its burning position is changed. This may require several hours' operation, with more than one start. Lamp color and output may change temporarily if the lamp is subjected to excess vibration or shock. Lamp color characteristics may change after long accumulated burning time.
- (373) Fixtures should be designed so that sockets and wiring withstand starting pulse up to 5000 volts for 1000 watt types and 4000 volts for other sizes.

- (374) Performance may not be satisfactory unless operated within specified burning positions. Specified burning position permits operation up to and including 15 degrees beyond the horizontal. Light output may be substantially less when operated in positions other than vertical.
- (376) For use in fixtures which do not redirect a substantial portion of the energy toward the arc tube; otherwise very early burnout is anticipated.
- (377) Requires a ballast specified or approved for Westinghouse metal halide lamps, or one that is designed to operate all popular brands of metal halide lamps. 1000W types will operate from H36 or H19 conventional lag type ballast for Mercury Vapor lamps at ambient temperatures of 50°F or higher. 1000W types must not be burned at 1500W.
- (378) ECON-O-WATT lamps are identified with the H33 ANSI group for convenience but differ slightly in electrical characteristics. Ratings apply for operation on "regulated output" or similar H33 ballasts, on series type H33 isolating transformers, or on lead-peaked ballasts for 400W metal halide lamps. Operation on other ballast types is not recommended, as ballast life expectancy may be reduced substantially. It is advisable to check with the luminaire or ballast manufacturer.
- (379) It is a characteristic of phosphor-coated vapor lamps to require a few hundred hours of operation to gradually reach normal characteristic color. New lamps may have a slight pink appearance during this initial operating period.

## High Intensity Discharge Lamp Information

Mercury Vapor Metal Halide, Self-Ballasted Mercury and Ceramalux Lamps are all high intensity electric discharge lamps. Except for self-ballasted lamps, auxiliary equipment such as ballasts must be provided for proper starting and operation of each type, in accordance with American National Standards Institute (ANSI) specifications.

### Voltage Control

An interruption in the power supply or a sudden voltage drop may extinguish the arc. Before the lamp will relight, it must cool sufficiently to reduce the vapor pressure to a point where the arc will restrike at the voltage available. Ceramalux lamps generally relight in less than a minute; other types take 3 to 20 minutes depending on type of lamp and luminaire.

### Lamp Designations

Westinghouse uses the ANSI designa-

tion system for mercury vapor lamp ordering abbreviations. The number or numbers shown following the letter "H" in the designation indicate the electrical characteristics, including the identification of the type of ballast that the lamp requires for proper operation.

### Lifeguard Lamps

All mercury vapor lamps currently manufactured by Westinghouse are LIFE-GUARD lamps. The electrodes of Lifeguard lamps operate at a relatively low temperature, with little sublimation of the trimetallic oxide emission material. As a result, the arc tube remains almost free of discoloration as the lamp ages, and the lamp has excellent maintained output throughout life.

The WEATHER DUTY outer bulb is of heat-resistant glass, making the lamp suitable for service outdoors and in unfavorable atmospheric conditions.

WEATHER DUTY bulbs will resist thermal shock, as from water striking the hot bulb, and may be exposed to most common industrial fumes without danger of crazing or cracking (however, lamp bases, sockets and wiring may need protection).

### Lamp Bases

All Westinghouse LIFE-GUARD mercury lamps with mogul screw bases feature *date-code markings* on the base. This enables users to record the date an individual lamp is placed in service and to keep a systematic record of lamp performance. Appropriate symbols denote the month and year, and may be checked off easily with any sharp instrument. As an extra feature, a *graphite coating* is applied to each base to give added protection from corrosion and insure easy removal from the socket after many thousands of burning hours.



## SALES OFFICES AND TECHNICAL INFORMATION

City	Address	Telephone No.
ALBUQUERQUE, N.M.	5301 Central N.E., 87108	(505) 265-6647
ATLANTA, GA.	1299 Northside Dr., N.W., P.O. Box 5046, 30302	(404) 885-5200
BALTIMORE, MD.	9120 Washington Blvd., Savage, Md., P.O. Box 250, Laurel, Md. 20810	(301) 792-4266
BOSTON, MASS.	10 California Ave., Framingham, Mass. 01701	(617) 237-6950
BUFFALO, N.Y.	700 Ellicott Sq. Bldg., 14203	(716) 849-4735
BUTTE, MONT.	949 S. Montana St., P.O. Box 3027, 59701	(406) 792-2301
CHARLOTTE, N.C.	2001 W. Morehead St., P.O. Box 32817, 28232	(704) 377-3471
CHICAGO, ILL.	10 South Riverside Plaza, 60606	(312) 454-7200
CINCINNATI, OHIO	10330 Evendale Dr., P.O. Box 15459, 45215	(513) 948-7301
CLEVELAND, OHIO	4600 Rockside Road, Independence, Ohio 44131	(216) 524-0606
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DALLAS, TEXAS	8400 John W. Carpenter Freeway, 75247	(214) 688-7040
DENVER, COLO.	55 W. 5th Ave., 80204	(303) 825-0441
DETROIT, MICH.	24700 Eleven Mile Road, P.O. Box 700, Southfield, Mich. 48037	(313) 352-9000
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INDIANAPOLIS, IND.	1560 Stadium Dr., 46202	(317) 266-1605
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LITTLE ROCK, ARK.	Woodrow & Roosevelt Rds., 72204	(501) 375-2471
LOS ANGELES, CALIF.	9095 Telstar Ave., El Monte, Calif. 91731	(213) 572-4844
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PHOENIX, ARIZ.	2200 N. Central, Suite 418, P.O. Box 13649, 85004	(602) 257-1342
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2211 W. Pershing Rd., 60609	(312) 890-2161
10330 Evendale Dr., P.O. Box 15459, 45215	(513) 948-7301
Avenue C, Leetsdale, Pa. 15056	(412) 766-6024
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8400 John W. Carpenter Freeway, 75247	(214) 688-7077
4134 Front St., Kansas City, Mo. 64120	(816) 483-4711
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# Westinghouse

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