

## OSRAM SYLVANIA: THE LEADER IN HALOGEN LAMP TECHNOLOGY

Halogen lamps are generally of the 'lamp within a lamp' design. The outer 'lamp' or jacket is made from a heavy walled borosilicate glass. The inner 'lamp' is the tungsten halogen capsule that is made from either glass or quartz and contains a filament, lead wires and a halogen gas mixture.

### CAPSYLITE IR®

Save energy while still making your merchandise stand out from the crowd. Energy efficient SYLVANIA CAPSYLITE IR® lamps use a specially designed halogen light source that actually recycles some of the heat it creates to generate more light for less energy.



### Daylight Plus® PAR

The special blue lenses on these halogen PAR lamps help to fill your space with whiter, more natural light than standard halogen PAR or incandescent lamps.



### CAPSYLITE® Soft White Halogen PAR lamps

SYLVANIA CAPSYLITE Soft White Halogen PAR lamps provide the ultimate meeting point between the efficiency and color of a halogen lamp and the soft, glare free light distribution of an incandescent lamp. They can also be used as energy saving replacements for incandescent reflector lamps, with the 50W PAR30 Long Neck lamp replacing a standard 65W BR30 while maintaining the same light levels.



### CAPSYLITE® A-Line

Replace a standard incandescent lamp with a CAPSYLITE® A-Line lamp to get a crisp, bright, more natural light that really lasts. Average rated life for these lamp types is 3,000 to 3,500 hours - up to four times the ratings of the lamps that they replace!



### Soft Glass Halogen Lamps

SYLVANIA soft glass halogen lamps are an outstanding replacement for standard incandescent lamps in any application. All of the lamps fit standard fixtures, allowing them to be used anywhere to add a new dimension to home or business lighting



### OSRAM MINISTAR™

OSRAM MINISTAR lamps represent a revolution in halogen reflector lamp design. Their unique integration of the reflective surface and the halogen capsule creates the world's smallest halogen reflector lamps.



### TRU-AIM® Low Voltage Lamps

SYLVANIA's complete line of TRU-AIM low voltage lamps provides a wide variety of extremely compact and highly directional light sources. Choose from standard MR16s (TRU-AIM), aluminized MR16s (TRU-AIM Brilliant), or top of the line TRU-AIM IR.



## FILAMENTS



CC-8



CC-2V



CC-6



Axial (AX)



Tranverse (TR)



C-8 Double End

## BASES



E10  
Miniature Screw



E11 Mini can



E26 Medium Skt.



E26 Medium



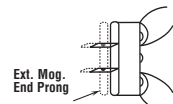
Recessed Single Contact  
RSC  
R7s



Screw Term.



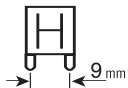
DC Bayonet  
B15d  
BA15d



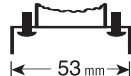
Mogul End Prong



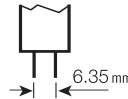
G4



G9



G53



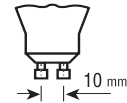
GY 6.35



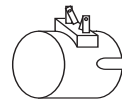
GU4



GU5.3



GU10



Med Side Pr.

## LAMPS



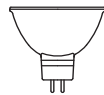
BT4



BT4T3, T4 BI-PIN



T4 G9.



MR16, MR11



PAR14



PAR16



PAR16 GU10



PAR20



F17



PAR30



PAR30LN



PAR36  
Medium Skt.



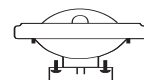
PAR38



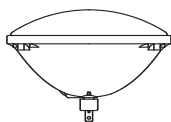
PAR38  
Medium Side Prong



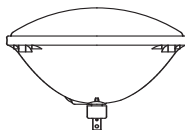
AR70



AR111



PAR56 Mog End Pr



PAR64 Mog End Pr



T4 DC Bayonet



T3, T4 Mini Can



T3, T4 RSC Double End



T10



B11



BT15



A19



G25

## HOW TO READ PRODUCT INFORMATION - TUNGSTEN HALOGEN

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Beam Type	Class & Filament	Avg Rated Life (hrs)	Approx Lumens	CBCP	Beam Angle	LCL (in)	MOL (in)
40	T4	G9	57017	☀ 5,10	40T4/G9/F/BL	120	10	Frosted		C, CC-2V	2000	480			1.00	1.88
60	PAR38	E26 Med Skt	14466	☀ ★ 10,11	60PAR/CAP/IR/FL30	120	15		Flood	CC-8	3000	1110	3600	30		5.31
50	PAR30LN	E26 Med	14520	☀ ★ 10,19,20	50PAR30LN/HAL/NFL25	120	15		Narrow Flood	CC-8	2500	660	2300	25		4.63

<b>Bulb</b>	Describes the shape of the bulb followed by the bulb's major diameter given in eighths of an inch. See page 42: Halogen Lamps.
<b>Base</b>	See page 42: Base Identification.
<b>Symbols &amp; Footnotes</b>	All symbols and footnotes that apply to a specific product will appear in this space. The explanations of the symbols and footnotes are at the end of the halogen section on page 64.
<b>Lamp Finish</b>	Applies only to non-reflector type lamps, usually either clear or frosted.
<b>Beam Type</b>	Applies only to reflector type lamps. Describes the beam angle qualitatively as either a spot or a flood, etc.

### How to Read Ordering Abbreviations

40T4/G9/F/BL		60PAR/CAP/IR/FL30		50PAR30LN/HAL/NFL25	
40	Nominal lamp wattage	60	Nominal lamp wattage	50	Nominal lamp wattage
T4/G9	T4 lamp with G9 base	PAR	Bulb shape PAR38	PAR30LN	Bulb shape PAR30 Long Neck
F	Frosted finish	CAP	CAPSYLITE lamp	HAL	Halogen lamp
BL	Blister Card Package	IR	Infrared conserving capsule	NFL25	Narrow Flood beam 25 degrees
		FL30	Flood beam 30 degrees		

### ANSI BEAM ANGLE DESIGNATION

Beam angles for reflector lamps are designated to conform with ANSI C78.379 -Classification of the Beam Patterns of Reflector Lamps. For beam angles less than 13°, beam angles are rounded to the nearest whole number. For beam angles between 13° and 50°, values are rounded to the nearest 5°. For beam angles 50° and greater, the value is rounded to the nearest 10°. As an example, a family of lamps with an average beam angle of 13° is classified as 15°, and a family of lamps with an average beam angle of 54° would be classified as 50°.

### LIFE RATING

The average rated life for 130V tungsten halogen lamps operated at 120V is conservatively estimated to be approximately 2 times the life when operated at 130V.

### ANSI CODE REFERENCE GUIDE

ANSI CODE	ITEM NO.	L.L. ORDERING ABBREVIATION (EXCEPT VOLTS)	VOLTS	ANSI CODE	ITEM NO.	L.L. ORDERING ABBREVIATION (EXCEPT VOLTS)	VOLTS	ANSI CODE	ITEM NO.	L.L. ORDERING ABBREVIATION (EXCEPT VOLTS)	VOLTS
BAB	58301	20MR16/T/FL35/C	12	ETD	58757	100Q/DC	120	FMW	58305	35MR16/T/FL35/C	12
EHM	58998	300T3Q/CL	120	ETF	58737	150Q/DC	120	FNV	58310	50MR16/T/WFL60/C	12
EHT	58762	250Q/CL/MC	120	ETG	58735	150Q/CL/MC/2	120	FPA	58311	65MR16/T/SP10/C	12
ESL	58738	150Q/CL/MC	120	ETH	58736	150Q/MC	120	FPB	58313	65MR16/T/FL35/C	12
ESM	58763	250Q/MC	120	EVR	58766	500Q/CL/MC	120	FPC	58312	65MR16/T/NFL25/C	12
ESN	58761	100Q/CL/MC	120	EXN	58309	50MR16/T/FL35/C	12	FRB	58303	35MR16/T/SP10/C	12
ESP	58742	150Q/CL/DC/1	120	EXT	58307	50MR16/T/SP10/C	12	FTB	55133	20MR11/T/SP10/C	12
ESR	58755	100Q/CL/DC	120	EXZ	58308	50MR16/T/NFL25/C	12	FTD	55134	20MR11/T/FL35/C	12
ESS	58720	250Q/CL/DC	120	EYV	58768	500Q/MC	130	FTE	55135	35MR11/T/SP10/C	12
ESX	58300	20MR16/T/SP10/C	12	EYW	58756	500Q/CL/MC	130	FTH	55136	35MR11/T/FL35/C	12
ETB	58753	250Q/DC	120	EYX	58767	500Q/MC	120				
ETC	58741	150Q/CL/DC	120	FCL	58996	500T3Q/CL	120				

## TUNGSTEN HALOGEN BRAND NAME GUIDE

SYLVANIA	GE*	PHILIPS**	OSRAM***
CAPSYLITE IR®	HIR PAR	Energy Advantage IR	
CAPSYLITE®	HALOGEN PLUS / HALOGEN Compact	Halogen WISO Reflector	HALOPAR
CAPSYLITE® COOL-LUX	Cool Beam PAR	Cool Beam Reflector	
CAPSYLITE® Designer 16	HALOGEN Compact PAR16	Halogen PAR16	HALOPAR16
CAPSYLITE® A-Line	A-Line		
Daylight Plus® PAR	Reveal	Natural	
TRU-AIM IR®	PRECISE COVERGLASS IR MR16	Halogen MR Energy Advantage IR	Decostar 51 IRC
TRU-AIM TITAN®	ConstantColor Precise Cover Glass	Halogen MR Long Life	Decostar 51 TITAN
TRU-AIM BRILLIANT®		Halogen MR Aluminum	Decostar 51 ALU
TRU-AIM® Standard MR16	Standard MR16	Halogen MR	Decostar 51
TRU-AIM® MR11	STANDARD MR11	Halogen MRC-11	Decostar 35
Softwhite Halogen PAR			
STANDARD Bi-Pin	Quartz Halogen		HALOSTAR Standard
STARLITE Bi-Pin		Halogen Low Voltage Capsule	HALOSTAR STARLITE
Double End	Quartzline	Halogen Double-Ended Linear	HALOLINE
SUPER Q	Halogen	Halogen Single-Ended	HALOLUX Ceram
Large PAR	Halogen		
Tubular Halogen T10	T10		HALOLUX Ceram
AR111	AR111	ALU Line PRO 111	HALOSPOT 111
AR70		Closed Aluminum Reflector	HALOSPOT 70
Soft Glass Halogen	A-Line / Decorative	Halogena	HALOLUX BT
Softwhite Halogen PAR			
Osram MINISTAR			MINISTAR

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**For weight and measurement information, please visit [www.sylvania.com](http://www.sylvania.com)**

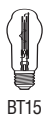


A19

## CAPSYLITE® A-LINE

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
42	A19	E26 Med	18907	★	42A/HAL/F	120	12	Inside Frost	C,CC-8	3500	580 2750	3.13	4.38
			18908	★  137,154	42A/HAL/F	130	12	Inside Frost	C,CC-8	3500	580 2750	3.13	4.38
@ 120 volts, approximate 37 watts, 450 lumens, 7000 hours													
50	A19	E26 Med	18968	★	50A/HAL/CRYSTAL	120	12	Crystal	C,CC-8	2500	860 2825	3.13	4.38
52	A19	E26 Med	18921	★	52A/HAL/F	120	12	Inside Frost	C,CC-8	3500	770 2775	3.13	4.38
			18922	★  137,165	52A/HAL/F	130	12	Inside Frost	C,CC-8	3500	770 2775	3.13	4.38
@ 120 volts, approximate 46 watts, 600 lumens, 7000 hours													
60	A19	E26 Med	18998	★	60A/HAL/CL/CLAM	120	6	Clear	C,CC-8	3000	965 2850	3.13	4.38
			18942	★	60A/HAL/CRYSTAL/CLAM	120	6	Crystal	C,CC-8	3000	965 2850	3.13	4.38
			18960	★	60A/HAL/F	120	12	Inside Frost	C,CC-8	3000	965 2850	3.13	4.38
			18999	★	60A/HAL/F/CLAM	120	6	Inside Frost	C,CC-8	3000	960 2850	3.13	4.38
72	A19	E26 Med	18937	★	72A/HAL/F	120	12	Inside Frost	C,CC-8	3500	1150 2825	3.13	4.38
			18938	★  137,176	72A/HAL/F	130	12	Inside Frost	C,CC-8	3500	1150 2825	3.13	4.38
@ 120 volts, approximate 63 watts, 900 lumens, 7000 hours													
75	A19	E26 Med	19000	★	75A/HAL/CL/CLAM	120	6	Clear	C,CC-8	3000	1330 2875	3.13	4.38
			18969	★	75A/HAL/CRYSTAL	120	12	Crystal	C,CC-8	3000	1330 2875	3.13	4.38
			18906	★	75A/HAL/CRYSTAL/CLAM	120	6	Crystal	C,CC-8	3000	1330 2875	3.13	4.38
			18965	★	75A/HAL/F	120	12	Inside Frost	C,CC-8	3000	1315 2875	3.13	4.38
			18997	★	75A/HAL/F/CLAM	120	6	Inside Frost	C,CC-8	3000	1315 2875	3.13	4.38
100	A19	E26 Med	19003	★	100A/HAL/CL/CLAM	120	6	Clear	C,CC-8	3000	1800 2900	3.13	4.38
			18911	★	100A/HAL/CRYSTAL/CLAM	120	6	Crystal	C,CC-8	3000	1800 2900	3.13	4.31
			18970	★	100A/HAL/F	120	12	Inside Frost	C,CC-8	3000	1800 2900	3.13	4.38
			18905	★	100A/HAL/F/CLAM	120	6	Inside Frost	C,CC-8	3000	1800 2900	3.13	4.38
150	A19	E26 Med	18912	★	150A/HAL/CLAM	120	6	Inside Frost	C,CC-8	3000	3000 2975	3.13	4.31



BT15



B11



G25



F17



T10

## HALOGEN BT15

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
60	BT15	E26 Med	18864	73,74,84,145	<b>60BT15/HAL/CL/BL</b>	120	10	Clear	C,CC-8	3000	820 2900	2.94	4.63
			18865	72,73,74,84,145	<b>60BT15/HAL/W/BL</b>	120	10	White	C,CC-8	3000	760 2900	2.94	4.63
75	BT15	E26 Med	18866	72,73,74,84,145	<b>75BT15/HAL/W/BL</b>	120	10	White	C,CC-8	3000	1010 2900	2.94	4.63
100	BT15	E26 Med	18867	72,73,74,84,145	<b>100BT15/HAL/W/BL</b>	120	10	White	C,CC-8	3000	1500 2900	2.94	4.63
150	BT15	E26 Med	18868	72,73,74,84,145	<b>150BT15/HAL/W/BL</b>	120	10	White	C,CC-8	3000	2400 2900	2.94	4.63

## HALOGEN DÉCOR LAMPS

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
25	B11	Candelabra	13269	73,74,145	<b>25B11C/T/HAL/BL</b>	120	6	Clear	C,CC-2V	3000	180 2900	2.60	4.69
40	B11	Candelabra	13334	73,74,145	<b>40B11C/HAL/BL</b>	120	6	Clear	C,CC-2V	3000	380 2900	2.60	4.56
	G25	E26 Med	13998	73,74,145	<b>40G25/HAL</b>	120	6	Clear	C,CC-2V	3000	380 2900	3.25	4.44
60	G25	E26 Med	14000	73,74,145	<b>60G25/HAL</b>	120	6	Clear	C,CC-2V	3000	630 2900	3.25	4.44
	F17	E26 Med	13879		<b>60F/HAL/DAY/CLAM</b>	120	6	Crystal	C,CC-8	3000	960 2850	3.00	4.50

## TUBULAR HALOGEN T10

A suitable protective shield, screening technique or both shall be used to protect people and surroundings from the possibility of a lamp shattering.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
75	T10	E26 Med	18846	139	<b>75T10/HAL/CL</b>	120	12	Clear	C,CC-2V	2000	1100 2900	2.94	4.13
			18847	139	<b>75T10/HAL/F</b>	120	12	Frosted	C,CC-2V	2000	1050 2900	2.94	4.13
100	T10	E26 Med	18848	139	<b>100T10/HAL/CL</b>	120	12	Clear	C,CC-2V	2000	1500 2900	2.94	4.13
			18849	139	<b>100T10/HAL/F</b>	120	12	Frosted	C,CC-2V	2000	1430 2900	2.94	4.13
150	T10	E26 Med	18850	46,139	<b>150T10/HAL/CL</b>	120	12	Clear	C,CC-2V	2000	2500 2900	2.94	4.13
			18851	46,139	<b>150T10/HAL/F</b>	120	12	Frosted	C,CC-2V	2000	2400 2900	2.94	4.13
230	T10	E26 Med	18852	46,139	<b>230T10/HAL/CL</b>	120	12	Clear	C,CC-2V	2000	4200 2900	2.94	4.13
			18853	46,139	<b>230T10/HAL/F</b>	120	12	Frosted	C,CC-2V	2000	4000 2900	2.94	4.13



PAR20



PAR30LN



PAR38



PAR14



PAR16 GU10

## DAYLIGHT PLUS® PAR LAMPS

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
50	PAR20	E26 Med	15226	★ 118	50PAR20/HAL/DAY/NFL	120	6	NFL	C,CC-8	2500	500 2900	1000	30	3.25
	PAR30LN	E26 Med	15227	★ 73,118	50PAR30LN/HAL/DAY/WFL	120	6	WFL	C,CC-8	2500	550 2900	550	50	4.63
75	PAR30LN	E26 Med	15228	★ 73,118	75PAR30LN/HAL/DAY/WFL	120	6	WFL	C,CC-8	2500	1000 3000	1000	50	4.63
50	PAR38	E26 Med Skt	13973	★ 43,47,72,118	50PAR38/CAPIR/DAY/WSP12	120	15	WSP	C,CC-8	3000	700 2925	7000	12	5.31
			15259	★ 43,47,72,118	50PAR38/CAPIR/DAY/FL30	120	15	FL	C,CC-8	3000	700 2925	1800	30	5.31
			15229	★ 118	50PAR38/HAL/DAY/FL	120	6	FL	C,CC-8	2500	540 2900	1550	30	5.31
75	PAR38	E26 Med Skt	15230	★ 118	75PAR38/HAL/DAY/FL	120	6	FL	C,CC-8	2500	960 3000	2800	30	5.31

## SOFTWHITE HALOGEN PAR LAMPS

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
50	PAR20	E26 Med	13260	★ 43,118	50PAR20/HAL/SW	120	6	FL	C,CC-8	2500	525 2850	525	40	3.25
	PAR30LN	E26 Med	13259	★ 43,73,118,134	50PAR30LN/HAL/SW	120	6	FL	C,CC-8	2500	600 2850	450	50	4.63
75	PAR30LN	E26 Med	13258	 43,73,118	75PAR30LN/HAL/SW	120	6	FL	C,CC-8	2500	1050 2900	700	50	4.63
50	PAR38	E26 Med Skt	15236	★ 43,72,118	50PAR38/HAL/SW	120	6	FL	C,CC-8	2500	600 2850	550	50	5.31
75	PAR38	E26 Med Skt	13257	★ 43,72,118	75PAR38/HAL/SW	120	6	FL	C,CC-8	2500	980 2900	1300	50	5.31

## CAPSYLITE® PAR14 LAMPS

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
35	PAR14	E26 Med	15364	 41,118	35PAR14/HAL/FL/RP	120	6	FL	C,CC-8	2000	450 2775	200	50	2.44

## CAPSYLITE® PAR16 LAMPS

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
35	PAR16	GU10	13256	 72	35PAR16/HAL/GU10/FL/BL3	120	18	FL	C,CC-8	3000	280 2750	500	30	2.25
			59076	 72	35PAR16/HAL/GU10/FL/BL	120	6	FL	C,CC-8	3000	280 2750	500	30	2.25



PAR16 GU10



PAR16 GU10



PAR20

## CAPSYLITE® PAR16 LAMPS

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life (hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)			
50	PAR16	GU10	59061	72	<b>50PAR16/HAL/GU10/FL/BL3</b>	120	18	FL	C,CC-8	3000	450 2800	800	30	2.25			
			59075	72	<b>50PAR16/HAL/GU10/FL/BL</b>	120	6	FL	C,CC-8	3000	450 2800	800	30	2.25			
			59024	68	<b>50PAR16/HAL/GU10/FL40</b>	120	10	FL	C,CC-2V	1000	400 2950	640	40	2.08			
			59020	68	<b>50PAR16/HAL/GU10/FL/CLAM</b>	120	6	FL	C,CC-2V	1000	400 2950	640	40	2.08			
60	PAR16	E26 Med	59032	69,118	<b>60PAR16/HAL/NSP10</b>	120	15	NSP	C,CC-8	2000	650 2850	5000	10	2.88			
			59037	69,118	<b>60PAR16/HAL/NSP10/RP</b>	120	6	NSP	C,CC-8	2000	650 2850	5000	10	2.88			
			59040	69,118,137,169	<b>60PAR16/HAL/NSP10</b>	130	15	NSP	C,CC-8	2000	650 2850	5000	10	2.88			
			@ 120 volts, approximate 53 watts, 495 lumens, 4000 hours														
			59030	69,118	<b>60PAR16/HAL/NFL30</b>	120	15	NFL	C,CC-8	2000	650 2850	1300	30	2.88			
			59031	69,118	<b>60PAR16/HAL/NFL30/RP</b>	120	6	NFL	C,CC-8	2000	650 2850	1300	30	2.88			
75	PAR16	E26 Med	59036	69,118	<b>75PAR16/HAL/NSP10</b>	120	15	NSP	C,CC-8	2000	900 2900	7500	10	2.88			
			59044	69,118,137,180	<b>75PAR16/HAL/NSP10</b>	130	15	NSP	C,CC-8	2000	900 2900	7500	10	2.88			
			@ 120 volts, approximate 66 watts, 685 lumens, 4000 hours														
			59034	69,118	<b>75PAR16/HAL/NFL30</b>	120	15	NFL	C,CC-8	2000	900 2900	1900	30	2.88			
			59033	69,118	<b>75PAR16/HAL/NFL30/RP</b>	120	6	NFL	C,CC-8	2000	900 2900	1900	30	2.88			
59042	69,118,137,180	<b>75PAR16/HAL/NFL30</b>	130	15	NFL	C,CC-8	2000	900 2900	1900	30	2.88						
@ 120 volts, approximate 66 watts, 685 lumens, 4000 hours																	

## CAPSYLITE IR® PAR20

Halogen PAR lamp with infrared reflective coating on the lamp capsule. Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life (hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
40	PAR20	E26 Med	14164	43,47,118	<b>40PAR20/CAPIR/NSP10</b>	120	15	NSP	C,CC-8	4000	510 2750	4200	10	3.25
			14166	43,47,118	<b>40PAR20/CAPIR/NFL30</b>	120	15	NFL	C,CC-8	4000	510 2750	1100	30	3.25
			14130	43,47,118	<b>40PAR20/CAPIR/WFL40</b>	120	15	WFL	C,CC-8	4000	510 2750	800	40	3.25





PAR20



PAR30

## CAPSYLITE® PAR20

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)			
35	PAR20	E26 Med	14467	★ 43,118	<b>35PAR20/HAL/NSP10</b>	120	15	NSP	C,CC-8	2500	360 2775	3000	10	3.25			
			14464	★ 43,118	<b>35PAR20/HAL/NFL30</b>	120	15	NFL	C,CC-8	2500	360 2775	800	30	3.25			
			14459	★ 43,118,137,151	<b>35PAR20/HAL/NFL30</b>	130	15	NFL	C,CC-8	2500	360 2775	800	30	3.25			
			@ 120 volts, approximate 31 watts, 275 lumens, 5000 hours														
			14506	★ 43,118	<b>35PAR20/HAL/WFL40</b>	120	15	WFL	C,CC-8	2500	360 2775	500	40	3.25			
			14461	★ 43,118,137,151	<b>35PAR20/HAL/WFL40</b>	130	15	WFL	C,CC-8	2500	360 2775	500	40	3.25			
@ 120 volts, approximate 31 watts, 275 lumens, 5000 hours																	
50	PAR20	E26 Med	14500	★ 43,118	<b>50PAR20/HAL/NSP10</b>	120	15	NSP	C,CC-8	2500	550 2850	4600	10	3.25			
			14528	★ 43,118,137,161	<b>50PAR20/HAL/NSP10</b>	130	15	NSP	C,CC-8	2500	550 2850	4600	10	3.25			
			@ 120 volts, approximate 44 watts, 420 lumens, 5000 hours														
			14502	★ 43,118	<b>50PAR20/HAL/NFL30</b>	120	15	NFL	C,CC-8	2500	550 2850	1200	30	3.25			
			14173	★ 43,118	<b>50PAR20/HAL/NFL30/RP</b>	120	6	NFL	C,CC-8	2500	550 2850	1200	30	3.25			
			14529	★ 43,118,137,161	<b>50PAR20/HAL/NFL30</b>	130	15	NFL	C,CC-8	2500	550 2850	1200	30	3.25			
			@ 120 volts, approximate 44 watts, 420 lumens, 5000 hours														
15662	★ 43,118,137,161	<b>50PAR20/HAL/NFL30/CVP</b>	130	6	NFL	C,CC-8	2500	550 2850	1200	30	3.25						
@ 120 volts, approximate 44 watts, 420 lumens, 5000 hours																	
14700	★ 43,118	<b>50PAR20/HAL/WFL40</b>	120	15	WFL	C,CC-8	2500	550 2850	900	40	3.25						

## CAPSYLITE IR® PAR30

Halogen PAR lamp with infrared reflective coating on the lamp capsule. Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)			
40	PAR30	E26 Med	13968	★ 43,47,118	<b>40PAR30/CAPIR/NSP9</b>	120	15	NSP	C,CC-8	4000	610 2750	8100	9	3.63			
			13969	★ 43,47,118	<b>40PAR30/CAPIR/NFL25</b>	120	15	NFL	C,CC-8	4000	610 2750	2100	25	3.63			
			13970	★ 43,47,118	<b>40PAR30/CAPIR/FL40</b>	120	15	FL	C,CC-8	4000	610 2750	1200	40	3.63			
50	PAR30	E26 Med	14355	★ 43,47,118,137	<b>50PAR30/CAPIR/NSP9</b>	120	15	NSP	C,CC-8	3000	900 2825	13000	9	3.63			
			14354	★ 43,47,118	<b>50PAR30/CAPIR/NFL25</b>	120	15	NFL	C,CC-8	3000	900 2825	2900	25	3.63			
			14132	★ 43,47,87,118	<b>50PAR30/CAPIR/NFL25</b>	130	15	NFL	C,CC-8	3000	900 2825	2900	25	3.63			
			@ 120 volts, approximate 44 watts, 690 lumens, 6000 hours.														
			14714	★ 43,47,118	<b>50PAR30/CAPIR/FL40</b>	120	15	FL	C,CC-8	3000	900 2825	1600	40	3.63			
14131	★ 43,47,87,118,137	<b>50PAR30/CAPIR/FL40</b>	130	15	FL	C,CC-8	3000	900 2825	1600	40	3.63						
@ 120 volts, approximate 44 watts, 690 lumens, 6000 hours.																	



PAR30



PAR30LN

## CAPSYLITE® PAR30

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)			
50	PAR30	E26 Med	14526	★ [Symbol] [Symbol] [Symbol] 43,118	<b>50PAR30/HAL/NSP9</b>	120	15	NSP	C,CC-8	2500	660 2850	8800	9	3.63			
			14530	★ [Symbol] [Symbol] [Symbol] 43,118,137,162	<b>50PAR30/HAL/NSP9</b>	130	15	NSP	C,CC-8	2500	660 2850	8800	9	3.63			
			@ 120 volts, approximate 44 watts, 500 lumens, 5000 hours														
			14527	★ [Symbol] [Symbol] [Symbol] 43,118	<b>50PAR30/HAL/NFL25</b>	120	15	NFL	C,CC-8	2500	660 2850	2300	25	3.63			
			14531	★ [Symbol] [Symbol] [Symbol] 43,118,137,162	<b>50PAR30/HAL/NFL25</b>	130	15	NFL	C,CC-8	2500	660 2850	2300	25	3.63			
			@ 120 volts, approximate 44 watts, 500 lumens, 5000 hours														
60	PAR30	E26 Med	14332	★ [Symbol] [Symbol] [Symbol] 43,118	<b>60PAR30/HAL/NSP9</b>	120	15	NSP	C,CC-8	3000	860 2875	12000	9	3.63			
			14333	★ [Symbol] [Symbol] [Symbol] 43,118	<b>60PAR30/HAL/NFL25</b>	120	15	NFL	C,CC-8	3000	860 2875	2775	25	3.63			
			14090	★ [Symbol] [Symbol] [Symbol] 43,90,118,137	<b>60PAR30/HAL/NFL25</b>	130	15	NFL	C,CC-8	3000	860 2875	2775	25	3.63			
			@ 120 volts, approximate 53 watts, 660 lumens, 6000 hours.														
			14084	★ [Symbol] [Symbol] [Symbol] 43,90	<b>60PAR30/HAL/FL40</b>	130	15	FL	C,CC-8	3000	860 2875	1550	40	3.63			
			@ 120 volts, approximate 53 watts, 660 lumens, 6000 hours.														
75	PAR30	E26 Med	14604	★ [Symbol] [Symbol] [Symbol] 43,118	<b>75PAR30/HAL/NSP9</b>	120	15	NSP	C,CC-8	2500	1130 2900	15400	9	3.63			
			14628	★ [Symbol] [Symbol] [Symbol] 43,118,137,182	<b>75PAR30/HAL/NSP9</b>	130	15	NSP	C,CC-8	2500	1130 2900	15400	9	3.63			
			@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours														
			14603	★ [Symbol] [Symbol] [Symbol] 43,118	<b>75PAR30/HAL/NFL25</b>	120	15	NFL	C,CC-8	2500	1130 2900	4000	25	3.63			
			14627	★ [Symbol] [Symbol] [Symbol] 43,118,137,182	<b>75PAR30/HAL/NFL25</b>	130	15	NFL	C,CC-8	2500	1130 2900	4000	25	3.63			
			@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours														
75	PAR30	E26 Med	14606	★ [Symbol] [Symbol] [Symbol] 43,118	<b>75PAR30/HAL/FL40</b>	120	15	FL	C,CC-8	2500	1130 2900	2100	40	3.63			
			14629	★ [Symbol] [Symbol] [Symbol] 43,118,137,182	<b>75PAR30/HAL/FL40</b>	130	15	FL	C,CC-8	2500	1130 2900	2100	40	3.63			
@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours																	

## CAPSYLITE® PAR30 LONG NECK

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
35	PAR30LN	E26 Med	14759	★ [Symbol] [Symbol] [Symbol] 43,73,118	<b>35PAR30LN/HAL/NSP9</b>	120	15	NSP	C,CC-8	2500	450 2775	4500	10	4.63
			14764	★ [Symbol] [Symbol] [Symbol] 43,73,118	<b>35PAR30LN/HAL/WFL50</b>	120	15	WFL	C,CC-8	2500	450 2775	450	50	4.63
50	PAR30LN	E26 Med	14509	★ [Symbol] [Symbol] [Symbol] 43,73,118,134	<b>50PAR30LN/HAL/NSP9</b>	120	15	NSP	C,CC-8	2500	660 2850	7000	10	4.63



PAR30LN



PAR38

**CAPSYLITE® PAR30 LONG NECK**

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)			
50	PAR30LN	E26 Med	14482	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,134,137,162	<b>50PAR30LN\HAL\NSP9</b>	130	15	NSP	C,CC-8	2500	660 2850	7000	10	4.63			
			@ 120 volts, approximate 44 watts, 500 lumens, 5000 hours														
			14520	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,134	<b>50PAR30LN\HAL\NFL25</b>	120	15	NFL	C,CC-8	2500	660 2850	2100	25	4.63			
			14822	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,134	<b>50PAR30LN\HAL\NFL</b>	120	6	NFL	C,CC-8	2500	660 2850	2100	25	4.63			
			14478	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,134,137,162	<b>50PAR30LN\HAL\NFL25</b>	130	15	NFL	C,CC-8	2500	660 2850	2100	25	4.63			
			@ 120 volts, approximate 44 watts, 500 lumens, 5000 hours														
			14537	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,134	<b>50PAR30LN\HAL\WFL50</b>	120	15	WFL	C,CC-8	2500	660 2850	660	50	4.63			
			14536	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,134	<b>50PAR30LN\HAL\WFL</b>	120	6	WFL	C,CC-8	2500	660 2850	660	50	4.63			
			14486	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,134,137,162	<b>50PAR30LN\HAL\WFL50</b>	130	15	WFL	C,CC-8	2500	660 2850	660	50	4.63			
			@ 120 volts, approximate 44 watts, 500 lumens, 5000 hours														
75	PAR30LN	E26 Med	14786	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118	<b>75PAR30LN\HAL\NSP9</b>	120	15	NSP	C,CC-8	2500	1130 2950	12000	10	4.63			
			@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours														
			14777	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,137,182	<b>75PAR30LN\HAL\NSP9</b>	130	15	NSP	C,CC-8	2500	1130 2900	12000	10	4.63			
			@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours														
			14769	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118	<b>75PAR30LN\HAL\NFL25</b>	120	15	NFL	C,CC-8	2500	1130 2900	3600	25	4.63			
			14824	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118	<b>75PAR30LN\HAL\NFL</b>	120	6	NFL	C,CC-8	2500	1130 2900	3600	25	4.63			
			14778	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,137,182	<b>75PAR30LN\HAL\NFL25</b>	130	15	NFL	C,CC-8	2500	1130 2900	3600	25	4.63			
			@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours														
			14768	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118	<b>75PAR30LN\HAL\WFL50</b>	120	15	WFL	C,CC-8	2500	1130 2900	1100	50	4.63			
			14823	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118	<b>75PAR30LN\HAL\WFL</b>	120	6	WFL	C,CC-8	2500	1130 2900	1100	50	4.63			
14785	PAR30LN	E26 Med	14785	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,137,182	<b>75PAR30LN\HAL\WFL50</b>	130	15	WFL	C,CC-8	2500	1130 2900	1100	50	4.63			
			@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours														
15418	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,73,118,137,182	<b>75PAR30LN\HAL\WFL50\CVP</b>	130	6	WFL	C,CC-8	2500	1130 2900	1100	50	4.63						
@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours																	

**CAPSYLITE IR® PAR38**

Halogen PAR lamp with infrared reflective coating on the lamp capsule. Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
50	PAR38	E26 Med Skt	13973	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,47,72,118	<b>50PAR38\CAP\IR\DAY\WSP12</b>	120	15	WSP	C,CC-8	3000	700 2875	7000	12	5.31
			15259	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,47,72,118	<b>50PAR38\CAP\IR\DAY\FL30</b>	120	15	FL	C,CC-8	3000	700 2875	1800	30	5.31



PAR38

## CAPSYLITE IR® PAR38

Halogen PAR lamp with infrared reflective coating on the lamp capsule. Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)		
50	PAR38	E26 Med Skt	14136	★ [IR] [E] [R] [L] 43,47,72,118	50PAR38/CAPIR/SP9	120	15	SP	C,CC-8	3000	850 2825	14000	9	5.31		
			14124	★ [IR] [E] [R] [L] 43,47,72,88,118,137	50PAR38/CAPIR/SP9	130	15	SP	C,CC-8	3000	850 2825	14000	9	5.31		
			@ 120 volts, approximate 44 watts, 650 lumens, 6000 hours.													
			14138	★ [IR] [E] [R] [L] 43,47,72,118	50PAR38/CAPIR/NFL25	120	15	NFL	C,CC-8	3000	850 2825	3000	25	5.31		
60	PAR38	E26 Med Skt	14485	★ [IR] [E] [R] [L] 43,47,72,118	60PAR38/CAPIR/SP9	120	15	SP	C,CC-8	3000	1110 2850	20000	9	5.31		
			14716	★ [IR] [E] [R] [L] 43,47,72,85,118,137	60PAR38/CAPIR/SP9	130	15	SP	C,CC-8	3000	1110 2850	20000	9	5.31		
			@ 120 volts, approximate 53 watts, 845 lumens, 6000 hours.													
			14360	★ [IR] [E] [R] [L] 43,47,72,118	60PAR38/CAPIR/WSP12	120	15	WSP	C,CC-8	3000	1110 2850	12000	12	5.31		
80	PAR38	E26 Med Skt	14442	★ [IR] [E] [R] [L] 43,47,72,118	60PAR38/CAPIR/NFL25	120	15	NFL	C,CC-8	3000	1110 2850	4000	25	5.31		
			14466	★ [IR] [E] [R] [L] 43,47,72,118	60PAR38/CAPIR/FL30	120	15	FL	C,CC-8	3000	1110 2850	3600	30	5.31		
			14715	★ [IR] [E] [R] [L] 43,47,72,85,118,137	60PAR38/CAPIR/FL30	130	15	FL	C,CC-8	3000	1110 2850	3600	30	5.31		
			@ 120 volts, approximate 53 watts, 845 lumens, 6000 hours.													
100	PAR38	E26 Med Skt	14324	★ [IR] [E] [R] [L] 47,72,118	100PAR38/CAPIR/SP10	120	12	SP	C,CC-8	3000	2070 2900	29000	10	5.31		
			14319	★ [IR] [E] [R] [L] 47,72,118	100PAR38/CAPIR/NFL25	120	12	NFL	C,CC-8	3000	2070 2900	6300	25	5.31		
			14311	★ [IR] [E] [R] [L] 47,72,118	100PAR38/CAPIR/FL40	120	12	FL	C,CC-8	3000	2070 2900	3400	40	5.31		

## CAPSYLITE® PAR38

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)		
45	PAR38	E26 Med Skt	14590	★ [IR] [E] [R] [L] 43,72,118	45PAR38/HAL/SP9	120	15	SP	C,CC-8	2500	560 2825	10000	9	5.31		
			15538	★ [IR] [E] [R] [L] 43,72,118	45PAR38/HAL/SP	120	6	SP	C,CC-8	2500	560 2825	10000	9	5.31		
			14593	★ [IR] [E] [R] [L] 43,72,118,137,157	45PAR38/HAL/SP9	130	15	SP	C,CC-8	2500	560 2825	10000	9	5.31		
			@ 120 volts, approximate 40 watts, 425 lumens, 5000 hours													
			14589	★ [IR] [E] [R] [L] 43,72,118	45PAR38/HAL/WSP12	120	15	WSP	C,CC-8	2500	560 2825	6300	12	5.31		
			14592	★ [IR] [E] [R] [L] 43,72,118,137,157	45PAR38/HAL/WSP12	130	15	WSP	C,CC-8	2500	560 2825	6300	12	5.31		
@ 120 volts, approximate 40 watts, 425 lumens, 5000 hours																

TUNGSTEN HALOGEN



PAR38

# CAPSYLITE® PAR38

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)			
45	PAR38	E26 Med Skt	14588	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>45PAR38/HAL/FL30</b>	120	15	FL	C,CC-8	2500	560 2825	1500	30	5.31			
			15537	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>45PAR38/HAL/FL</b>	120	6	FL	C,CC-8	2500	560 2825	1500	30	5.31			
			14591	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,157	<b>45PAR38/HAL/FL30</b>	130	15	FL	C,CC-8	2500	560 2825	1500	30	5.31			
			@ 120 volts, approximate 40 watts, 425 lumens, 5000 hours														
47	PAR38	E26 Med Skt	14101	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,157	<b>45PAR38/HAL/WFL50</b>	130	15	WFL	C,CC-8	2500	560 2825	700	50	5.31			
			@ 120 volts, approximate 40 watts, 425 lumens, 5000 hours														
50	PAR38	E26 Med Skt	15404	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137	<b>47PAR38/HAL/DL/SP9</b>	120	15	SP	C,CC-8	6000	570 2750	10000	9	5.31			
			15405	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137	<b>47PAR38/HAL/DL/FL30</b>	120	15	FL	C,CC-8	6000	570 2750	1500	30	5.31			
60	PAR38	E26 Med Skt	15521	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137	<b>50PAR38/HAL/SP9</b>	120	6	SP	C,CC-8	2500	650 2850	10500	9	5.31			
			15520	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137	<b>50PAR38/HAL/FL30</b>	120	6	FL	C,CC-8	2500	650 2850	1850	30	5.31			
63	PAR38	E26 Med Skt	14469	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>60PAR38/HAL/SP9</b>	120	15	SP	C,CC-8	3000	850 2875	16000	9	5.31			
			14449	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,171	<b>60PAR38/HAL/SP9</b>	130	15	SP	C,CC-8	3000	850 2875	16000	9	5.31			
			@ 120 volts, approximate 53 watts, 645 lumens, 6000 hours														
			14472	★ [Symbol] [Symbol] [Symbol] [Symbol] 118	<b>60PAR38/HAL/NFL25</b>	120	15	NFL	C,CC-8	3000	850 2875	3700	25	5.31			
			14468	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>60PAR38/HAL/FL30</b>	120	15	FL	C,CC-8	3000	850 2875	2500	30	5.31			
75	PAR38	E26 Med Skt	14448	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,171	<b>60PAR38/HAL/FL30</b>	130	15	FL	C,CC-8	3000	850 2875	2500	30	5.31			
			@ 120 volts, approximate 53 watts, 645 lumens, 6000 hours														
			15421	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>63PAR38/HAL/DL/SP9</b>	120	15	SP	C,CC-8	6000	800 2800	14000	9	5.31			
			14514	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>75PAR38/HAL/SP9</b>	120	15	SP	C,CC-8	2500	1060 2900	19200	9	5.31			
			14854	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>75PAR38/HAL/SP/FP</b>	120	6	SP	C,CC-8	2500	1060 2900	19200	9	5.31			
			14516	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,181	<b>75PAR38/HAL/SP9</b>	130	15	SP	C,CC-8	2500	1060 2900	19200	9	5.31			
			@ 120 volts, approximate 66 watts, 805 lumens, 5000 hours														
			14510	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>75PAR38/HAL/WSP12</b>	120	15	WSP	C,CC-8	2500	1060 2900	12300	12	5.31			
14513	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>75PAR38/HAL/FL30</b>	120	15	FL	C,CC-8	2500	1060 2900	3150	30	5.31						
14853	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>75PAR38/HAL/FL/FP</b>	120	6	FL	C,CC-8	2500	1060 2900	3150	30	5.31						
14515	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,181	<b>75PAR38/HAL/FL30</b>	130	15	FL	C,CC-8	2500	1060 2900	3150	30	5.31						
@ 120 volts, approximate 66 watts, 805 lumens, 5000 hours																	
14446	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,181	<b>75PAR38/HAL/FL/CVP</b>	130	6	FL	C,CC-8	2500	1060 2900	3150	30	5.31						
@ 120 volts, approximate 66 watts, 805 lumens, 5000 hours																	

TUNGSTEN HALOGEN



PAR38



PAR38 Med Side Prong

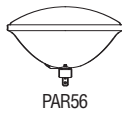
# CAPSYLITE® PAR38

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
75	PAR38	E26 Med Skt	14517	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,181	<b>75PAR38/HAL/WFL50</b> @ 120 volts, approximate 66 watts, 805 lumens, 5000 hours	130	15	WFL	C,CC-8	2500	1060 2900	1300	50	5.31
90	PAR38	E26 Med Skt	14586	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>90PAR38/HAL/SP9</b>	120	15	SP	C,CC-8	2500	1310 2925	19000	9	5.31
			15539	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>90PAR38/HAL/SP</b>	120	6	SP	C,CC-8	2500	1310 2925	19000	9	5.31
			14587	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,187	<b>90PAR38/HAL/SP9</b> @ 120 volts, approximate 79 watts, 1000 lumens, 5000 hours	130	15	SP	C,CC-8	2500	1310 2925	19000	9	5.31
			14580	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>90PAR38/HAL/WSP12</b>	120	15	WSP	C,CC-8	2500	1310 2925	14300	12	5.31
			14578	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,187	<b>90PAR38/HAL/WSP12</b> @ 120 volts, approximate 79 watts, 1000 lumens, 5000 hours	130	15	WSP	C,CC-8	2500	1310 2925	14300	12	5.31
			14601	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,187	<b>90PAR38/HAL/NFL25</b> @ 120 volts, approximate 79 watts, 1000 lumens, 5000 hours	130	15	NFL	C,CC-8	2500	1310 2925	4700	25	5.31
			14579	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>90PAR38/HAL/FL30</b>	120	15	FL	C,CC-8	2500	1310 2925	3500	30	5.31
			15545	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>90PAR38/HAL/FL</b>	120	6	FL	C,CC-8	2500	1310 2925	3500	30	5.31
			14577	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,187	<b>90PAR38/HAL/FL30</b> @ 120 volts, approximate 79 watts, 1000 lumens, 5000 hours	130	15	FL	C,CC-8	2500	1310 2925	3500	30	5.31
			14647	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,187	<b>90PAR38/HAL/FL/CVP</b> @ 120 volts, approximate 79 watts, 1000 lumens, 5000 hours	130	6	FL	C,CC-8	2500	1310 2925	3500	30	5.31
			14602	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,187	<b>90PAR38/HAL/WFL50</b> @ 120 volts, approximate 79 watts, 1000 lumens, 5000 hours	130	15	WFL	C,CC-8	2500	1310 2925	1600	50	5.31
		Med Side Prong	14630	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>90PAR38/HAL/SWSP12</b>	120	15	WSP	C,CC-8	2500	1310 2925	14300	12	5.31
			14632	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>90PAR38/HAL/3FL30</b>	120	15	FL	C,CC-8	2500	1310 2925	3500	30	5.31
100	PAR38	E26 Med Skt	15522	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>100PAR38/HAL/SP9</b>	120	6	SP	C,CC-8	2500	1500 2950	22000	9	5.31
			15585	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>100PAR38/HAL/FL30</b>	120	6	FL	C,CC-8	2500	1500 2950	4000	30	5.31
106	PAR38	E26 Med Skt	15003	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>106PAR38/HAL/SP10</b>	120	15	SP	C,CC-8	2000	1800 2975	22500	10	5.31
			15001	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>106PAR38/HAL/WFL50</b>	120	15	WFL	C,CC-8	2000	1800 2975	2000	50	5.31
120	PAR38	E26 Med Skt	14856	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>120PAR38/HAL/SP10</b>	120	15	SP	C,CC-8	3000	1800 2950	22500	10	5.31
			14873	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>120PAR38/HAL/SP</b>	120	6	SP	C,CC-8	3000	1800 2950	22500	10	5.31
			14874	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118,137,197	<b>120PAR38/HAL/SP10</b> @ 120 volts, approximate 105 watts, 1370 lumens, 6000 hours	130	15	SP	C,CC-8	3000	1800 2950	22500	10	5.31
			14855	★ [Symbol] [Symbol] [Symbol] [Symbol] 43,72,118	<b>120PAR38/HAL/FL30</b>	120	15	FL	C,CC-8	3000	1800 2950	4600	30	5.31



PAR38



PAR56



PAR64

## CAPSYLITE® PAR38

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
120	PAR38	E26 Med Skt	14576	★ [Symbol] [Symbol] [Symbol] 43,72,118	<b>120PAR38/HAL/FL</b>	120	6	FL	C,CC-8	3000	1800 2950	4600	30	5.31
			14861	★ [Symbol] [Symbol] [Symbol] 43,72,118,137,197	<b>120PAR38/HAL/FL30</b>	130	15	FL	C,CC-8	3000	1800 2950	4600	30	5.31
			@ 120 volts, approximate 105 watts, 1370 lumens, 6000 hours											
120	PAR38	E26 Med Skt	14594	★ [Symbol] [Symbol] [Symbol] 43,72,118	<b>120PAR38/HAL/WFL50</b>	120	15	WFL	C,CC-8	3000	1800 2950	2000	50	5.31
			15526	★ [Symbol] [Symbol] 43,70,71,72,73,74	<b>250PAR38/HAL/SP10</b>	120	6	SP	C,CC-8	4500	3600 3025	46500	10	5.31
			15558	★ [Symbol] [Symbol] 43,70,71,72,73,74	<b>250PAR38/HAL/FL30</b>	120	6	FL	C,CC-8	4500	3600 3025	9000	30	5.31

## CAPSYLITE® COOL LUX

Halogen PAR lamp with dichroic reflector. Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
90	PAR38	E26 Med Skt	14972	★ [Symbol] [Symbol] [Symbol] 72,89,118	<b>90PAR38/HAL/2SP12</b>	120	15	SP	C,CC-8	2500	1260 2925	12000	12	5.31
			14971	★ [Symbol] [Symbol] [Symbol] 72,89,118	<b>90PAR38/HAL/2FL30</b>	120	15	FL	C,CC-8	2500	1260 2925	3750	30	5.31
			14973	★ [Symbol] [Symbol] [Symbol] 72,89,118,137,187	<b>90PAR38/HAL/2FL30</b>	130	15	FL	C,CC-8	2500	1260 2925	3750	30	5.31

## LARGE PAR LAMPS

A suitable protective shield, screening technique or both shall be used to protect people and surroundings from the possibility of a lamp shattering and from possible ultraviolet radiation.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
500	PAR56	Ext Mog End Pr	56210	★ [Symbol] [Symbol] 57,139,188	<b>500PAR56Q/HAL/NSP</b>	120	12	NSP	C,CC-6	4000	8800 2950	78500	8x15	5.00
			56211	★ [Symbol] [Symbol] 57,139,188	<b>500PAR56Q/HAL/MFL</b>	120	12	MFL	C,CC-6	4000	8800 2950	40000	11x30	5.00
			56212	★ [Symbol] [Symbol] 57,139,188	<b>500PAR56Q/HAL/WFL</b>	120	12	WFL	C,CC-6	4000	8800 2950	19500	20x45	5.00
1000	PAR64	Ext Mog End Pr	56206	★ [Symbol] [Symbol] 57,139,188	<b>1000PAR64Q/HAL/NSP</b>	120	6	NSP	C,CC-6	4000	19400 2950	135000	8x20	6.00
			56207	★ [Symbol] [Symbol] 57,139,188	<b>1000PAR64Q/HAL/MFL</b>	120	6	MFL	C,CC-6	4000	19400 2950	82000	10x30	6.00
			56208	★ [Symbol] [Symbol] 57,139,188	<b>1000PAR64Q/HAL/WFL</b>	120	6	WFL	C,CC-6	4000	19400 2950	23000	20x60	6.00



## CAPSYLITE® G9 LAMPS

Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
25	T4	G9 Bipin	57020	72,84,145	<b>25T4/G9/CL</b>	120	20	Clear	C,CC-2V	2000	255 2900	0.88	20x60
			57034	72,84,145	<b>25T4/G9/CL/BL</b>	120	10	Clear	C,CC-2V	2000	255 2900	0.88	1.69
			57021	72,84,145	<b>25T4/G9/F</b>	120	20	Frosted	C,CC-2V	2000	230 2900	0.88	1.69
40	T4	G9 Bipin	57022	72,84,145	<b>40T4/G9/CL</b>	120	20	Clear	C,CC-2V	2000	510 2900	0.88	1.69
			57033	72,84,145	<b>40T4G9/CL/BL</b>	120	10	Clear	C,CC-2V	2000	510 2900	0.88	1.69
			57025	72,84,145	<b>40T4/G9/F</b>	120	20	Frosted	C,CC-2V	2000	480 2900	0.88	1.69
			57017	72,84,145	<b>40T4/G9/F/BL</b>	120	10	Frosted	C,CC-2V	2000	480 2900	0.88	1.69
60	T4	G9 Bipin	57023	72,84,145	<b>60T4/G9/CL</b>	120	20	Clear	C,CC-2V	2000	830 2900	1.06	2.00
			57035	72,84,145	<b>60T4G9/CL/BL</b>	120	10	Clear	C,CC-2V	2000	830 2900	1.06	2.00
			57024	72,84,145	<b>60T4/G9/F</b>	120	20	Frosted	C,CC-2V	2000	790 2900	1.06	2.00

## SUPERQ SINGLE END HALOGEN LAMPS

A suitable protective shield, screening technique or both shall be used to protect people and surroundings from the possibility of a lamp shattering and from possible ultraviolet radiation.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
75	T3	Min Can	58884	123,139	<b>75Q/CL/MC/RP</b>	120	6	Clear	C,CC-8	2000	1400 2950	1.19	2.56
100	T4	DC Bayonet	58755	123,139	<b>100Q/CL/DC(ESR)</b>	120	12	Clear	C,CC-2V	1000	1900 2950	1.38	2.44
			18845	123,139	<b>100Q/CL/DC/64475</b>	120	12	Clear	C,CC-2V	2000	1600 2950	2.19	3.38
			58732	123,139	<b>100Q/CL/DC</b>	130	12	Clear	C,CC-2V	1000	1900 2950	1.38	2.44
			58757	123,139	<b>100Q/DC(ETD)</b>	120	12	Frosted	C,CC-2V	1000	1750 2950	1.38	2.44
	Min Can	58761	123,139	<b>100Q/CL/MC(ESN)</b>	120	12	Clear	C,CC-2V	1000	1800 2950	1.38	2.75	
		58817	123,139	<b>100Q/CL/MC/RP(ESN)</b>	120	6	Clear	C,CC-8	1000	1800 2950	1.38	2.56	
		58760	123,139	<b>100Q/CL/MC</b>	130	12	Clear	C,CC-2V	1000	1800 2950	1.38	2.75	
150	T4	DC Bayonet	58741	123,139	<b>150Q/CL/DC(ETC)</b>	120	12	Clear	C,CC-8	2000	2800 2950	1.50	2.75
			58742	123,139	<b>150Q/CL/DC/1(ESP)</b>	120	12	Clear	C,CC-2V	1000	2400 2950	1.38	2.44
			58748	123,139	<b>150Q/CL/DC</b>	130	12	Clear	C,CC-2V	1000	2800 2950	1.38	2.75
			58737	123,139	<b>150Q/DC(ETF)</b>	120	12	Frosted	C,CC-8	2000	2700 2950	1.50	2.75





T3

**SUPERQ SINGLE END HALOGEN LAMPS**

A suitable protective shield, screening technique or both shall be used to protect people and surroundings from the possibility of a lamp shattering and from possible ultraviolet radiation.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
150	T4	Min Can	58738	_123,139	<b>150Q/CL/MC(ESL)</b>	120	12	Clear	C,CC-2V	1000	2800 2950	1.38	2.75
			58735	_123,139	<b>150Q/CL/MC/2(ETG)</b>	120	12	Clear	C,CC-8	2000	2800 2950	1.50	3.00
			58733	_123,139	<b>150Q/CL/MC</b>	130	12	Clear	C,CC-2V	1000	2800 2950	1.38	2.75
			58736	_123,139	<b>150Q/MC(ETH)</b>	120	12	Frosted	C,CC-8	2000	2700 2950	1.50	3.00
250	T4	DC Bayonet	58720	_123,139	<b>250Q/CL/DC(ESS)</b>	120	12	Clear	C,CC-8	2000	5000 2950	1.63	3.13
			58753	_123,139	<b>250Q/DC(ETB)</b>	120	12	Frosted	C,CC-8	2000	4850 2950	1.63	3.13
			58754	_123,139	<b>250Q/DC</b>	130	12	Frosted	C,CC-8	2000	4850 2950	1.63	3.13
	Min Can	58762	_123,139	<b>250Q/CL/MC(EHT)</b>	120	12	Clear	C,CC-8	2000	5000 2950	1.63	3.13	
		58764	_123,139	<b>250Q/CL/MC</b>	130	12	Clear	C,CC-8	2000	5000 2950	1.63	3.13	
		58763	_123,139	<b>250Q/MC(ESM)</b>	120	12	Frosted	C,CC-8	2000	4850 2950	1.63	3.13	
		58765	_123,139	<b>250Q/MC</b>	130	12	Frosted	C,CC-8	2000	4850 2950	1.63	3.13	
500	T4	Min Can	58766	_123,139	<b>500Q/CL/MC(EVR)</b>	120	12	Clear	C,CC-8	2000	10450 2950	2.00	3.75
			58756	_123,139	<b>500Q/CL/MC(EYW)</b>	130	12	Clear	C,CC-8	2000	10000 2950	2.00	3.75
			58767	_123,139	<b>500Q/MC(EYX)</b>	120	12	Frosted	C,CC-8	2000	10100 2950	2.00	3.75
			58768	_123,139	<b>500Q/MC(EYV)</b>	130	12	Frosted	C,CC-8	2000	10000 2950	2.00	3.75

**DOUBLE END QUARTZ LAMPS**

A suitable protective shield, screening technique or both shall be used to protect people and surroundings from the possibility of a lamp shattering and from possible ultraviolet radiation.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
100	T3	RSC	58999	_123,139	<b>100T3Q/S/CL</b>	120	20	Clear	C,C-8	2000	1600 2950		3.13
			58887	_123,139	<b>100T3Q/S/CL/RP</b>	120	6	Clear	C,C-8	2000	1600 2950		3.13
150	T3	RSC	59001	_123,139	<b>150T3Q/S/CL</b>	120	20	Clear	C,C-8	2000	2400 2950		3.13
			58886	_123,139	<b>150T3Q/S/CL/RP</b>	120	6	Clear	C,C-8	2000	2400 2950		3.13
			58885	_123,139	<b>150T3Q/CL/RP</b>	120	6	Clear	C,C-8	1500	2250 2950		4.69
200	T3	RSC	59003	_123,139	<b>200T3Q/CL</b>	120	20	Clear	C,C-8	2000	3350 2950		4.69
300	T3	RSC	58998	_123,139	<b>300T3Q/CL(EHM)</b>	120	20	Clear	C,C-8	2000	6000 2950		4.69



T3



T3



BT4



BT4

## DOUBLE END QUARTZ LAMPS

A suitable protective shield, screening technique or both shall be used to protect people and surroundings from the possibility of a lamp shattering and from possible ultraviolet radiation.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
300	T3	RSC	58920	123,139	<b>300T3Q/CL/EP(EHM)</b>	120	6	Clear	C,C-8	2000	6000 2950		4.69
			59000	123,139	<b>300T3Q/CL</b>	130	20	Clear	C,C-8	2000	6000 2950		4.69
500	T3	RSC	58996	123,139	<b>500T3Q/CL(FCL)</b>	120	20	Clear	C,C-8	2000	8750 2950		4.69
			58865	123,139	<b>500T3Q/CL/EP(FCL)</b>	120	6	Clear	C,C-8	2000	8750 2950		4.69
			58997	123,139	<b>500T3Q/CL</b>	130	20	Clear	C,C-8	2000	8750 2950		4.69
1000	T3	RSC	58948	123,139	<b>1000T3Q/CL</b>	240	12	Clear	C,C-8	2000	21500 2950		10.06
1500	T3	RSC	58859	123,139	<b>1500T3Q/CL</b>	208	12	Clear	C,C-8	2000	33000 2950		10.06
			58857	123,139	<b>1500T3Q/CL</b>	240	12	Clear	C,C-8	2000	33000 2950		10.06
			58858	123,139	<b>1500T3Q/CL</b>	277	12	Clear	C,C-8	2000	33000 2950		10.06

## OSRAM MINISTAR LAMPS

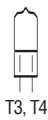
Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
10	T3	G4 Bipin	58520	72,84,123,145	<b>10T3Q/MINISTAR/S</b>	12	40	FL	C,C-8	2000	3000	80	35 x 60	1.31
20	T3	G4 Bipin	58521	72,84,123,145	<b>20T3Q/MINISTAR/S</b>	12	40	FL	C,C-8	2000	3000	120	35 x 60	1.31
			BT4	GY6.35 Bipin	58518	72,84,123,145	<b>20BT4Q/MINISTAR/AX</b>	12	40	FL	C,C-8	2000	3000	800
35	BT4	GY6.35 Bipin	58519	72,84,123,145	<b>35BT4Q/MINISTAR/AX</b>	12	40	FL	C,C-8	2000	3000	1000	30	1.75

## BI-PIN IR LAMPS

UV Filter capsule with axial filament and infrared reflective coating. Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
25	BT4	GY6.35 Bipin	58897	145	<b>25BT4Q/IR</b>	12	40	Clear	C,AXIAL	4000	450 3000	1.13	1.75
35	BT4	GY6.35 Bipin	58896	145	<b>35BT4Q/IR</b>	12	40	Clear	C,AXIAL	4000	800 3000	1.13	1.75



T3, T4

### STARLITE BI-PIN LAMPS

Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
10	T3	G4 Bipin	58692	142,145	<b>10T3Q/CL/AX</b>	6	40	Clear	C,AXIAL	4000	130 3000	0.88	1.25
			58691	142,145	<b>10T3Q/CL/AX</b>	12	40	Clear	C,AXIAL	4000	130 3000	0.88	1.25
20	T3	G4 Bipin	58694	142,145	<b>20T3Q/CL/AX</b>	12	40	Clear	C,AXIAL	4000	320 3000	0.88	1.25
	T4	GY6.35 Bipin	58663	142,145	<b>20T4Q/CL/AX</b>	12	40	Clear	C,AXIAL	4000	320 3000	1.13	1.75
35	T4	GY6.35 Bipin	58672	142,145	<b>35T4Q/CL/AX</b>	12	40	Clear	C,AXIAL	4000	600 3000	1.13	1.75
50	T4	GY6.35 Bipin	58676	142,145	<b>50T4Q/CL/AX</b>	12	40	Clear	C,AXIAL	4000	910 3000	1.13	1.75
75	T4	GY6.35 Bipin	58680	142,145	<b>75T4Q/CL/AX</b>	12	40	Clear	C,AXIAL	4000	1450 3000	1.13	1.75
90	T4	GY6.35 Bipin	58684	142,145	<b>90T4Q/CL/AX</b>	12	40	Clear	C,AXIAL	4000	1800 3000	1.13	1.75

### STANDARD BI-PIN LAMPS

Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
5	T3	G4 Bipin	58652	123,140,145	<b>5T3Q/CL</b>	12	40	Clear	C,TR	2000	60 3000	0.88	1.25
			58651	123,141,145	<b>5T3Q/F</b>	12	40	Frosted	C,TR	2000	55 3000	0.88	1.25
10	T3	G4 Bipin	58658	123,140,145	<b>10T3Q/CL</b>	12	40	Clear	C,TR	2000	140 3000	0.88	1.25
			58650	123,140	<b>10T3Q/CL/RP</b>	12	6	Clear	C,TR	2000	140 3000	0.88	1.25
			58656	123,141,145	<b>10T3Q/F</b>	12	40	Frosted	C,TR	2000	130 3000	0.88	1.25
20	T3	G4 Bipin	58661	123,140,145	<b>20T3Q/CL</b>	12	40	Clear	C,TR	2000	320 3000	0.88	1.25
			58655	123,140	<b>20T3Q/CL/RP</b>	12	6	Clear	C,TR	2000	320 3000	0.88	1.25
50	T4	GY6.35 Bipin	58675	123,140	<b>50T4Q/CL</b>	12	40	Clear	C,TR	2000	910 3000	1.13	1.75
			58660	123,140	<b>50T4Q/CL/RP</b>	12	6	Clear	C,TR	2000	910 3000	1.13	1.75

### 24V BI-PIN LAMPS

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Lamp Finish	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	LCL (in)	MOL (in)
20	T3	G4 Bipin	58662	117,143	<b>20T3Q/CL</b>	24	40	Clear	C,AXIAL	1000	320 3000	0.88	1.25
50	T4	GY6.35 Bipin	58678	117,143	<b>50T4Q/CL/AX</b>	24	40	Clear	C,AXIAL	2000	850 3000	1.13	1.75



MR16

## TRU-AIM IR® MR16 LAMPS

UV Filter capsule with axial filament in covered constant color, hard coated dichroic reflector and infrared reflective coating on the lamp capsule.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life (hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
20	MR16	GU5.3 Bipin	58531	47,62,66,91,93	<b>20MR16/IR/SP10/C</b>	12	20	SP	C,AXIAL	5000	3000	6000	10	1.75
			58532	47,62,66,91,93	<b>20MR16/IR/NFL25/C</b>	12	20	NFL	C,AXIAL	5000	3000	2300	25	1.75
			58533	47,62,66,91,93	<b>20MR16/IR/FL35/C</b>	12	20	FL	C,AXIAL	5000	3000	1000	35	1.75
			58838	47,62,66,91,93	<b>20MR16/IR/WFL60/C</b>	12	20	WFL	C, AXIAL	5000	3000	450	60	1.75
37	MR16	GU5.3 Bipin	58641	37,47,62,92,93	<b>37MR16/IR/SP10/C</b>	12	20	SP	C, AXIAL	5000	3000	12500	10	1.75
			58634	37,47,62,92,93	<b>37MR16/IR/NFL25/C</b>	12	20	NFL	C, AXIAL	5000	3000	4400	25	1.75
			58633	37,47,62,92,93	<b>37MR16/IR/FL35/C</b>	12	20	FL	C, AXIAL	5000	3000	2200	35	1.75
			58837	47,62,66,92,93	<b>37MR16/IR/WFL60/C</b>	12	20	WFL	C, AXIAL	5000	3000	1100	60	1.75
50	MR16	GU5.3 Bipin	54175	37,47,62,92,93	<b>50MR16/IR/SP10/C</b>	12	20	SP	C, AXIAL	5000	3000	15000	10	1.75
			54174	37,47,62,92,93	<b>50MR16/IR/NFL25/C</b>	12	20	NFL	C, AXIAL	5000	3000	5700	25	1.75
			54173	37,47,62,92,93	<b>50MR16/IR/FL35/C</b>	12	20	FL	C, AXIAL	5000	3000	2850	35	1.75
			54237	47,62,66,92,93	<b>50MR16/IR/WFL60/C</b>	12	20	WFL	C, AXIAL	5000	3000	1430	60	1.75

## TRU-AIM TITAN® MR16 LAMPS

UV Filter capsule with axial filament in covered constant color, hard coated dichroic reflector.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life (hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
20	MR16	GU5.3 Bipin	58300	62,65,91,145	<b>20MR16/T/SP10/C(ESX)</b>	12	20	SP	C, AXIAL	4000	3000	5000	10	1.75
			58301	62,65,91,93,145	<b>20MR16/T/FL35/C(BAB)</b>	12	20	FL	C, AXIAL	4000	3000	780	35	1.75
			58302	62,65,91,93,145	<b>20MR16/T/WFL60/C</b>	12	20	WFL	C, AXIAL	4000	3000	350	60	1.75
35	MR16	GU5.3 Bipin	58303	62,65,91,93,145	<b>35MR16/T/SP10/C(FRB)</b>	12	20	SP	C, AXIAL	4000	3000	9100	10	1.75
			58304	62,65,91,93,145	<b>35MR16/T/NFL25/C</b>	12	20	NFL	C, AXIAL	4000	3000	3100	25	1.75
			58305	62,65,91,93,145	<b>35MR16/T/FL35/C(FMW)</b>	12	20	FL	C, AXIAL	4000	3000	1500	35	1.75
			58306	62,65,91,93,145	<b>35MR16/T/WFL60/C</b>	12	20	WFL	C, AXIAL	4000	3000	700	60	1.75
50	MR16	GU5.3 Bipin	58307	62,65,91,93,145	<b>50MR16/T/SP10/C(EXT)</b>	12	20	SP	C, AXIAL	4000	3000	11500	10	1.75
			58308	62,65,91,93,145	<b>50MR16/T/NFL25/C(EXZ)</b>	12	20	NFL	C, AXIAL	4000	3000	4400	25	1.75
			58309	62,65,91,93,145	<b>50MR16/T/FL35/C(EXN)</b>	12	20	FL	C, AXIAL	4000	3000	2200	35	1.75



MR16

### TRU-AIM TITAN® MR16 LAMPS

UV Filter capsule with axial filament in covered constant color, hard coated dichroic reflector.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
50	MR16	GU5.3 Bipin	58310	62,65,91, 93,145	<b>50MR16/T/WFL60/C(FNV)</b>	12	20	WFL	C, AXIAL	4000	3000	1100	60	1.75
			58500	62,65,91, 93,145	<b>50MR16/T/DAY/NFL25/C</b>	12	10	NFL	C, AXIAL	4000	3050	2650	25	1.75
65	MR16	GU5.3 Bipin	58311	62,65,92, 93	<b>65MR16/T/SP10/C(FPA)</b>	12	20	SP	C, AXIAL	4000	3000	13300	10	1.75
			58312	62,65,92, 93	<b>65MR16/T/NFL25/C(FPC)</b>	12	20	NFL	C, AXIAL	4000	3000	3800	25	1.75
			58313	62,65,92, 93	<b>65MR16/T/FL35/C(FPB)</b>	12	20	FL	C, AXIAL	4000	3000	2000	35	1.75

### TRU-AIM BRILLIANT® MR16 LAMPS

UV Filter capsule with axial filament in constant color, aluminized reflector.

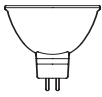
A suitable protective shield, screening technique or both shall be used to protect people and surroundings from the possibility of a lamp shattering.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
20	MR16	GU5.3 Bipin	58314	33,62,91, 117	<b>20MR16/B/SP10</b>	12	20	SP	C, AXIAL	4000	3000	5000	10	1.75
			58315	33,62,91, 117	<b>20MR16/B/FL35</b>	12	20	FL	C, AXIAL	4000	3000	780	35	1.75
35	MR16	GU5.3 Bipin	58316	33,62,92, 117	<b>35MR16/B/SP10</b>	12	20	SP	C, AXIAL	4000	3000	9100	10	1.75
			58317	33,62,92, 117	<b>35MR16/B/FL35</b>	12	20	FL	C, AXIAL	4000	3000	1500	35	1.75
50	MR16	GU5.3 Bipin	58319	33,62,92, 117	<b>50MR16/B/SP10</b>	12	20	SP	C, AXIAL	4000	3000	12500	10	1.75
			58320	33,62,92, 117	<b>50MR16/B/NFL25</b>	12	20	NFL	C, AXIAL	4000	3000	4400	25	1.75
			58321	33,62,92, 117	<b>50MR16/B/FL35</b>	12	20	FL	C, AXIAL	4000	3000	2200	35	1.75

### TRU-AIM® MR16 LAMPS

UV Filter capsule with axial filament in covered dichroic reflector.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
20	MR16	GU5.3 Bipin	54305	45,62,91, 93,145	<b>20MR16/SP10/C(ESX)</b>	12	20	SP	C, AXIAL	2000	3000	3000	10	1.75
			54306	45,62,91, 93,145	<b>20MR16/FL35/C(BAB)</b>	12	20	FL	C, AXIAL	2000	3000	510	35	1.75
35	MR16	GU5.3 Bipin	54307	45,62,92, 93,145	<b>35MR16/SP10/C(FRB)</b>	12	20	SP	C, AXIAL	2000	3000	6000	10	1.75
			58322	45,62,92, 93,145	<b>35MR16/NFL25/C</b>	12	20	NFL	C, AXIAL	2000	3000	2000	25	1.75
			58324	45,62,92, 93,145	<b>35MR16/FL35/C(FMW)</b>	12	20	FL	C, AXIAL	2000	3000	1000	35	1.75
50	MR16	GU5.3 Bipin	58325	45,62,92, 93,145	<b>50MR16/SP10/C(EXT)</b>	12	20	SP	C, AXIAL	2000	3000	7800	10	1.75



MR16, MR11, MR16 SIG 64005



PAR36

**TRU-AIM® MR16 LAMPS**

UV Filter capsule with axial filament in covered dichroic reflector.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
50	MR16	GU5.3 Bipin	58326	45,62,92,93,145	<b>50MR16/NFL25/C(EXZ)</b>	12	20	NFL	C, AXIAL	2000	3000	2800	25	1.75
			58327	45,62,92,93,145	<b>50MR16/FL35/C(EXN)</b>	12	20	FL	C, AXIAL	2000	3000	1450	35	1.75
			58328	45,62,92,93,145	<b>50MR16/WFL60/C(FNV)</b>	12	20	WFL	C, AXIAL	2000	3000	690	60	1.75

**TRU-AIM® MR11 LAMPS**

UV Filter capsule with axial filament in covered constant color, hard coated dichroic reflector.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
20	MR11	GU4 Bipin	55133	62,65,92,93	<b>20MR11/T/SP10/C(FTB)</b>	12	10	SP	C, AXIAL	4000	3000	4000	10	1.50
			55134	62,65,92,93	<b>20MR11/T/FL35/C(FTD)</b>	12	10	FL	C, AXIAL	4000	3000	700	35	1.50
35	MR11	GU4 Bipin	55135	62,65,92,93	<b>35MR11/T/SP10/C(FTE)</b>	12	10	SP	C, AXIAL	4000	3000	6200	10	1.50
			55136	62,65,92,93	<b>35MR11/T/FL35/C(FTH)</b>	12	10	FL	C, AXIAL	4000	3000	1350	35	1.50

**SIRIUS MR16 LAMPS**

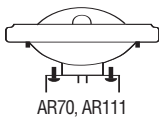
For traffic signal and other fiber optic applications.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
50	MR16 SIG 64005	K23D	58701	32,117	<b>50SIRIUS/SIG64005</b>	10	10		C, AXIAL	6000	220 3000			1.88

**CAPSYLITE® PAR36 LAMPS**

Suitable for use in unshielded fixtures.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
36	PAR36	Screw Term	55100	★ 73	<b>36PAR36/HAL/VNSP5</b>	12	12	VNSP	C, C-8	4000	500 3000	17000	5	2.75
			55090	★ 73	<b>36PAR36/HAL/NSP13</b>	12	12	NSP	C, C-8	4000	500 3000	3500	13	2.75
			55091	★ 73	<b>36PAR36/HAL/WFL32</b>	12	12	WFL	C, C-8	4000	500 3000	1000	30	2.75
50	PAR36	Screw Term	55118	★ 73	<b>50PAR36/HAL/NSP6</b>	12	12	NSP	C, C-8	4000	700 3000	25000	6	2.75
			55017	★ 73	<b>50PAR36/HAL/WFL30</b>	12	12	WFL	C, C-8	4000	700 3000	1400	30	2.75



AR70, AR111

## AR70 ALUMINUM REFLECTOR LAMPS

UV Filter capsule with axial filament in precisely engineered aluminum reflector.

Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
20	AR70	DC Bayonet	59013	38,145	<b>20AR70/SP8</b>	12	10	SP	C, C-8	3000	3000	7700	8	1.94
			59012	38,145	<b>20AR70/FL25</b>	12	10	FL	C, C-8	3000	3000	900	25	1.94
50	AR70	DC Bayonet	59017	38,145	<b>50AR70/SP8</b>	12	10	SP	C, C-8	3000	3000	12500	8	1.94
			59016	38,145	<b>50AR70/FL25</b>	12	10	FL	C, C-8	3000	3000	2600	25	1.94












## AR111 ALUMINUM REFLECTOR LAMPS

UV Filter capsule with axial filament in precisely engineered aluminum reflector.

Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.

Watts	Bulb	Base	Product Number	Symbols & Footnotes	Ordering Abbreviation	Volts	Pkg Qty	Beam Type	Class & Filament	Avg Rated Life(hrs)	Lumens CCT	CBCP	Beam Angle	MOL (in)
35	AR111	Push Screw Term	55101	38,145	<b>35AR111/SSP4</b>	6	6	SSP	C, C-8	3000	3000	30000	4	2.38
			55102	38,145	<b>35AR111/SSP4</b>	12	6	SSP	C, C-8	3000	3000	40000	4	2.38
			55110	38,145	<b>35AR111/SP8</b>	12	6	SP	C, C-8	3000	3000	14000	8	2.25
			55114	38,145	<b>35AR111/FL25</b>	12	6	FL	C, C-8	3000	3000	2500	25	2.31
50	AR111	Push Screw Term	55105	38,145	<b>50AR111/SSP4</b>	12	6	SSP	C, C-8	3000	3000	45000	4	2.38
			55104	38,145	<b>50AR111/SP8</b>	12	6	SP	C, C-8	3000	3000	20000	8	2.25
			55103	38,145	<b>50AR111/FL25</b>	12	6	FL	C, C-8	3000	3000	4000	25	2.31
75	AR111	Push Screw Term	55125	38,145	<b>75AR111/SP8</b>	12	6	SP	C, C-8	3000	3000	30000	8	2.25
			55123	38,145	<b>75AR111/FL25</b>	12	6	FL	C, C-8	3000	3000	5300	25	2.31
			55124	38,145	<b>75AR111/WFL45</b>	12	6	WFL	C, C-8	3000	3000	2000	45	2.19
100	AR111	Push Screw Term	55129	38,145	<b>100AR111/SP8</b>	12	6	SP	C, C-8	3000	3000	48000	8	2.25
			55127	38,145	<b>100AR111/FL25</b>	12	6	FL	C, C-8	3000	3000	8500	25	2.31
			55128	38,145	<b>100AR111/WFL45</b>	12	6	WFL	C, C-8	3000	3000	2800	45	2.19

## SYMBOLS & FOOTNOTES FOR TUNGSTEN HALOGEN LAMPS

Symbol	Description
	New item introduced within the past year.
	Item will be discontinued when inventory is depleted.
	Indicates aluminum base.
	Do not operate in household sockets.
	Operate base down.
	Operate base down to horizontal.
	Heat resistant, hard glass.
	PAR lamps are suitable for indoor and outdoor use.
	Do not operate in paper lined sockets.
	This lamp or ballast meets minimum Federal efficiency standards.
	This ECOLOGIC® lamp was designed to pass the Federal TCLP criteria for classification as non-hazardous waste in most states. Disposal regulations may vary; check local and state regulations.

Footnote	Description
1	Indefinite long life. Designed for life in excess of 10,000 hours. In -service life depends upon burning conditions.
2	Should not be used in equipment where base temperature will exceed 500 F.
3	@ 120 volts, approximate 119 watts, 1560 lumens, 6250 hours
4	@ 120 volts, approximate 119 watts, 1870 lumens, 1875 hours
5	@ 120 volts, approximate 132 watts, 1420 lumens, 6250 hours
6	@ 120 volts, approximate 132 watts, 1580 lumens, 2500 hours
7	@ 120 volts, approximate 132 watts, 1590 lumens, 2500 hours
8	@ 120 volts, approximate 132 watts, 1660 lumens, 1875 hours
9	@ 120 volts, approximate 132 watts, 1770 lumens, 1875 hours
10	@ 120 volts, approximate 132 watts, 1690 lumens, 6250 hours
11	@ 120 volts, approximate 132 watts, 1880 lumens, 1875 hours
12	@ 120 volts, approximate 132 watts, 2030 lumens, 1875 hours
13	High temperature base. Designed to operate in equipment where base temperature run between 500F - 570F.
14	@ 120 volts, approximate 176 watts, 2190 lumens, 6250 hours
15	@ 120 volts, approximate 176 watts, 2220 lumens, 2500 hours
16	@ 120 volts, approximate 176 watts, 2350 lumens, 2500 hours
17	@ 120 volts, approximate 176 watts, 2360 lumens, 6250 hours
18	@ 120 volts, approximate 176 watts, 2710 lumens, 1875 hours
19	@ 120 volts, approximate 176 watts, 2740 lumens, 1875 hours
20	@ 120 volts, approximate 176 watts, 2820 lumens, 1875 hours
21	@ 120 volts, approximate 176 watts, 2860 lumens, 1875 hours
22	@ 120 volts, approximate 176 watts, 2220 lumens, 6750 hours
23	@ 120 volts, approximate 188 watts, 3190 lumens, 1125 hours
24	Designed for service other than illumination.
25	@ 120 volts, approximate 220 watts, 2360 lumens, 10000 hours
26	@ 120 volts, approximate 264 watts, 2310 lumens, 5000 hours
27	@ 120 volts, approximate 264 watts, 3800 lumens, 6250 hours



## SYMBOLS & FOOTNOTES FOR TUNGSTEN HALOGEN LAMPS

Footnote	Description
28	@ 120 volts, approximate 264 watts, 3850 lumens, 6250 hours
29	@ 120 volts, approximate 264 watts, 4390 lumens, 1875 hours
30	@ 120 volts, approximate 264 watts, 4305 lumens, 1875 hours
31	Additional product information can be found in the SYLVANIA Automotive, Miniature and Sealed Beam Lamp Catalog Form 208.
32	UV Filter capsule with axial filament in dichroic reflector.
33	UV Filter capsule with axial filament in aluminized reflector.
34	UV Filter capsule with axial filament in covered aluminized reflector .
35	2 3/4" circular window.
36	UV Filter capsule with axial filament in constant color, hard coated dichroic reflector.
37	UV Filter capsule with axial filament in constant color, hard coated Dichroic reflector and infrared reflective coating on the lamp capsule.
38	UV Filter capsule with axial filament in precisely engineered aluminum m reflector.
39	Suitable for indoor and outdoor use;
40	For indoor use only; suitable for outdoor use only if not directly exposed to weather
41	For indoor use only;
42	UV control capsule with transverse constant color filament in hard dichroic
43	State of the Art SPL Optics
44	Inner capsule with Infrared conserving coating and hard glass lens
45	UV Filter capsule with axial filament in covered dichroic reflector.
46	Operate only in porcelain sockets.
47	Infrared lamp technology
48	Caution: Operates under pressure and may shatter. Use appropriate techniques to protect people and surroundings. Do not operate in close proximity to persons, combustible materials, or substances affected by heat or drying. Do not operate over 110% rated voltage because such operation increases pressure and lamps' tendency to shatter. Ultraviolet output may cause skin and eye irritation with prolonged exposure. Protect bulb from abrasions and scratches. Do not insert lamps when power is on. Follow operation
49	ECE Approved
50	Lamp Life B3 @ 13.2 volts.
51	Universal lamp housings for T2 slide based pilot lamps.
52	Socket dimensions front to panel to end of terminals.
53	UL File No. E31557(M) CSA File No.LR20904
54	Universal lamp housings for T2.5 and T3.25 miniature bayonet based lamps.
55	UL File No. E31557(M) CSA File No.LR20904
56	MIL-Std. 18236 B-MIL Std. 202B
57	Should be shielded against moisture falling on bulb.
58	Material : Black Phenolic
59	There are two distinctively different lamps with this part number. When ordering T-1 3/4 , #7327, please also specify category and base type. S-11. #7327 discontinued.
60	MOL = Excluding pins.
61	Material : Plastic
62	Max. seal temperature 350 C (662F)
63	Max. bulb temperature 1000 C (1832F)
64	Min. bulb temperature 250 C (482F)
65	UV Filter capsule with axial filament in covered constant color, hard coated dichroic reflector.
66	UV Filter capsule with axial filament in covered constant color, hard coated dichroic reflector and infrared reflective coating on the lamp capsule.
67	UV Filter capsule with transverse filament in constant color, hard coated dichroic reflector .
68	Not recommended for use in enclosed close-fitting housings.
69	For Indoor Use only.
70	Because this bulb radiates considerable heat, do not use in enclosed, close fitting fixtures, or in close proximity to people, combustible materials, or substances adversely affected by heat or drying.

## SYMBOLS & FOOTNOTES FOR TUNGSTEN HALOGEN LAMPS

Footnote	Description
71	Even though this bulb may continue to light after the lens or reflector is cracked or broken, it should be replaced as soon as possible since the pressure filled inner capsule could unexpectedly shatter, creating a risk of personal injury or property damage. In addition, the inner capsule produces ultraviolet radiation that can cause injury to the eyes and skin with prolonged exposure without the blocking effect of the outer glass bulb.
72	To avoid electric shock and/or skin burns, turn off power and allow bulb to cool before handling or attempting replacement.
73	For indoor or outdoor use where not directly exposed to weather. Exposure to weather may damage the bulb.
74	Use only with ceramic/porcelain sockets and in fixtures rated for this bulb type, including voltage and wattage.
75	Screw bulb firmly but not forcibly into socket to obtain good electrical contact and to avoid damaging bulb and/or socket. Socket condition may affect bulb life. Replace socket if deterioration of socket or bulb contacts is observed.
76	Due to change from high pressure capsule to low pressure capsule, dimensions have been changed: LCL from 19.5 to 22mm and bulb diameter from 9 to 9.5mm.
77	@ 120 volts, approximate 26 watts, 150 lumens, 5000 hours.
78	Recommended operating position any within 60 degrees of vertically base up or base down.
79	@ 120 volts, approximate 28 watts, 200 lumens, 7500 hours.
80	@ 120 volts, approximate 53 watts, 340 lumens, 12500 hours.
81	@ 120 volts, approximate 66 watts, 500 lumens, 12500 hours.
82	@ 120 volts, approximate 88 watts, 765 lumens, 12500 hours.
83	@ 120 volts, approximate 88 watts, 1020 lumens, 2500 hours.
84	UV Filter Quartz
85	@ 120 volts, approximate 53 watts, 845 lumens, 6000 hours.
86	Operate only in heat resistant sockets
87	@ 120 volts, approximate 44 watts, 690 lumens, 6000 hours.
88	@ 120 volts, approximate 44 watts, 850 lumens, 6000 hours.
89	For use only in fixtures designed specifically for dichroic Reflector Lamps.
90	@ 120 volts, approximate 53 watts, 660 lumens, 6000 hours.
91	Max pin temperature 220 C.
92	Max pin temperature 250 C.
93	Max temperature at lens reflector joint 240 C.
94	Not for use in ceiling fan fixtures
95	For use where seal temperature does not exceed 662F.
96	Per Title 20 Section 1605.3(m) of the California Code of Regulations, this lamp may not be sold or offered for sale in the state of California for use in Traffic Signals.
97	Board Size MFX Base 1.6mm (0.062") Inside of Board
98	OSRAM Miniwatt lamps for printed circuit boards (the MF series) are designed to work on both inside and outside contact boards and various thickness boards. In order to assure proper electrical contact, be sure to check the thickness of the board and the location of the electrical contacts.
99	@ 120 volts, approximate 33 watts, 270 lumens, 3750 hours.
100	Operate within 25 degrees of vertical base up.
101	@ 120 volts, approximate 53 watts, 490 lumens, 2500 hours.
102	@ 120 volts, approximate 66 watts, 650 lumens, 1875 hours.
103	@ 120 volts, approximate 88 watts, 970 lumens, 1875 hours.
104	@ 120 volts, approximate 46 watts, 560 lumens, 2500 hours.
105	@ 120 volts, approximate 40 watts, 220 lumens, 5000 hours.
106	@ 120 volts, approximate 57 watts, 410 lumens, 5000 hours.
107	Lamps manufactured on or after January 1, 2007 are not for sale in Washington or Oregon.
108	Per Title 20 Section 1605.3(k) of the California Code of Regulations, this lamp may not be sold or offered for sale in the state of California.
109	Lamp may not be operated on a dimmer or DC current
110	Complies with part 15 of FCC rules.
111	Average laboratory life is 200 hours for vacuum cleaner and 600 hours for sewing machine services.
112	Life dependent on service conditions.
113	Operating position 45 degrees base down to horizontal.

## SYMBOLS & FOOTNOTES FOR TUNGSTEN HALOGEN LAMPS

Footnote	Description
114	Use only in fixtures designed to adequately dissipate heat from lamp.
115	3" Circular window.
116	Operation of lamp in any position other than base up may result in some loss of protective coating.
117	A protective shield must be used external to the lamp.
118	In base up operation, heat may eventually deteriorate paper-lined or plastic sockets.
119	Operate only in porcelain or other socket approved for 150 watt PAR lamp.
120	Metal sleeve with approximately 6" flexible non-insulated leads. Leads not included in maximum overall length (M.O.L.).
121	High temperature base. Retards seal deterioration where seal temperature exceeds 650F.
122	Lightly inside frosted and side aluminized; M.O.L. exclusive of spring contact.
123	For use where seal temperature does not exceed 650F.
124	Life at rated voltage and at 650F maximum seal temperature.
125	Usually limited to intermittent burning.
126	Maximum bulb wall temperature 480F.
127	Lamp internally fused.
128	2 1/2" braided lead with lug.
129	Nickel sleeve with 11/4" - 11/2" flexible leads with lug. Leads not included in maximum overall length (M.O.L.)
130	Minimum run. Check nearest OSRAM SYLVANIA Sales Office for details.
131	This lamp should not be used in a location where water may be splashed on it.
132	Package quantity may change. See your OSRAM SYLVANIA Lighting Representative for details.
133	For diesel electric locomotives without voltage regulators.
134	Retrofit for 65BR30/FL, or 75R30/FL.
135	Available in bulk pack.
136	Incandescent lamps operated at less than rated voltage provide a lower light output, longer life, lower color temperature and are less efficient in terms of lumens per watt.
137	Approximate life for 130 volt tungsten halogen lamps operated at 120 volts is within the value calculated using the recommended equations for standard incandescent lamps, as set forth in the IES Handbook, 8th edition. Because of the uncertain nature of the halogen cycle on the coil when operated at less than rated voltage, life of tungsten halogen lamps varies considerably and unpredictably. OSRAM SYLVANIA does not recommend operation at other than rated voltage.
138	Nominal wattage - actual may be slightly higher to achieve required light output.
139	A suitable protective shield, screening technique, or both must be used to protect people and surroundings from the possibility of a lamp shattering and from possible ultraviolet radiation.
140	Standard Clear - UV Filter Quartz
141	Standard Frosted - UV Filter Quartz
142	Starlite Low Pressure - UV Filter Quartz
143	Standard Clear - 24V - UV Filter Quartz - Not suitable for use in open fixtures.
144	Maximum contact to contact tolerance on RSC Base = 1/16"
145	Suitable for use in unshielded fixtures. Consult most recent luminaire standards for your area to determine luminaire requirements.
146	@ 120 volts, approximate 22 watts, 130 lumens, 6250 hours
147	@ 120 volts, approximate 26 watts, 100 lumens, 5000 hours
148	@ 120 volts, approximate 28/66/94 watts, 255/800/1060 lumens, 1800 hours
149	@ 120 volts, approximate 30 watts, 240 lumens, 6250 hours
150	@ 120 volts, approximate 30 watts, 290 lumens, 3750 hours
151	@ 120 volts, approximate 31 watts, 275 lumens, 5000 hours
152	@ 120 volts, approximate 35 watts, 320 lumens, 6250 hours
153	@ 120 volts, approximate 35 watts, 350 lumens, 3750 hours
154	@ 120 volts, approximate 37 watts, 450 lumens, 7000 hours
155	May not give satisfactory performance if any accessory lighting equipment touches the glass bulb.
156	@ 120 volts, approximate 38 watts, 380 lumens, 2250 hours

## SYMBOLS & FOOTNOTES FOR TUNGSTEN HALOGEN LAMPS

Footnote	Description
157	@ 120 volts, approximate 40 watts, 425 lumens, 5000 hours
158	@ 120 volts, approximate 44 watts, 250 lumens, 5000 hours
159	@ 120 volts, approximate 44 watts, 240 lumens, 5000 hours
160	@ 120 volts, approximate 44 watts, 400 lumens, 2500 hours
161	@ 120 volts, approximate 44 watts, 420 lumens, 5000 hours
162	@ 120 volts, approximate 44 watts, 500 lumens, 5000 hours
163	@ 120 volts, approximate 46 watts, 460 lumens, 6250 hours
164	@ 120 volts, approximate 46 watts, 540 lumens, 2500 hours
165	@ 120 volts, approximate 46 watts, 600 lumens, 7000 hours
166	When calculations are based on bare lamp lumens, do not use this lumen rating.
167	@ 120 volts, approximate 47/94/141 watts, 545/1275/1820 lumens, 1800 hours
168	@ 120 volts, approximate 53 watts, 420 lumens, 2500 hours
169	@ 120 volts, approximate 53 watts, 495 lumens, 4000 hours
170	@ 120 volts, approximate 53 watts, 650 lumens, 2500 hours
171	@ 120 volts, approximate 53 watts, 645 lumens, 6000 hours
172	@ 120 volts, approximate 56 watts, 725 lumens, 1500 hours
173	@ 120 volts, approximate 57 watts, 540 lumens, 4375 hours
174	@ 120 volts, approximate 59 watts, 660 lumens, 6250 hours
175	@ 120 volts, approximate 59 watts, 780 lumens, 1875 hours
176	@ 120 volts, approximate 63 watts, 900 lumens, 7000 hours
177	Average laboratory life in excess of 5000 hours.
178	@ 120 volts, approximate 66 watts, 425 lumens, 4125 hours
179	@ 120 volts, approximate 66 watts, 620 lumens, 2500 hours
180	@ 120 volts, approximate 66 watts, 685 lumens, 4000 hours
181	@ 120 volts, approximate 66 watts, 805 lumens, 5000 hours
182	@ 120 volts, approximate 66 watts, 860 lumens, 5000 hours
183	@ 120 volts, approximate 66 watts, 910 lumens, 1875 hours
184	@ 120 volts, approximate 66 watts, 520 lumens, 5000 hours
185	@ 120 volts, approximate 70 watts, 985 lumens, 1125 hours
186	@ 120 volts, approximate 79 watts, 940 lumens, 6250 hours
187	@ 120 volts, approximate 79 watts, 1000 lumens, 5000 hours
188	For use only with heat-resisting connector and with bulb supported by bulb rim or metal shell of base.
189	@ 120 volts, approximate 79 watts, 1130 lumens, 1875 hours
190	@ 120 volts, approximate 88 watts, 960 lumens, 2500 hours
191	@ 120 volts, approximate 88 watts, 1100 lumens, 6250 hours
192	@ 120 volts, approximate 88 watts, 1260 lumens, 1875 hours
193	@ 120 volts, approximate 88 watts, 1290 lumens, 1875 hours
194	@ 120 volts, approximate 88 watts, 710 lumens, 5000 hours
195	@ 120 volts, approximate 94 watts, 1455 lumens, 1125 hours
196	@ 120 volts, approximate 105 watts, 850 lumens, 5000 hours
197	@ 120 volts, approximate 105 watts, 1370 lumens, 6000 hours
198	@ 120 volts, approximate 106 watts, 1040 lumens, 5000 hours

# Manufacturers' Cross Reference

## HALOGEN LAMPS

SYLVANIA	GE	PHILIPS	OSRAM
<b>HALOGEN BT15</b>			
60BT15/HAL/CL/BL	---	BC60BT15/HAL/CL	---
60BT15/HAL/W/BL	---	BC60BT15/HAL/W	---
75BT15/HAL/W/BL	---	BC75BT15/HAL/W	---
100BT15/HAL/W/BL	---	BC100BT15/HAL/W	---
150BT15/HAL/W/BL	---	BC150BT15/HAL/W	---
<b>CAPSYLITE MIDBREAK</b>			
52A/CAP	50A/HAL	---	---
60A/HAL/DAY	60A/HAL	---	---
60A/HAL/DAY/CL	60A/HAL/CL	---	---
75A/HAL/DAY	75A/HAL	---	---
100A/HAL/DAY	90A/HAL	---	---
<b>CAPSYLITE PAR</b>			
60PAR16/CAP/NSP10	60PAR16/H/SP10	60PAR16/HAL/NSP10	---
60PAR16/CAP/NFL30	60PAR16/H/FL30	60PAR16/HAL/NFL27	---
75PAR16/CAP/NSP10	75PAR16/H/SP10	---	---
75PAR16/CAP/NFL30	75PAR16/H/FL30	---	---
50PAR20/HAL/SPL/NFL30	50PAR20/H/FL25	50PAR20/HAL/NFL30	---
50PAR20/HAL/SPL/NSP10	50PAR20/H/SP10	50PAR20/HAL/NSP9	---
50PAR30/CAP/SPL/NFL25	50PAR30/H/FL25	50PAR30/HAL/NFL30	---
50PAR30/CAP/SPL/NSP9	50PAR30/H/SP10	50PAR30S/HAL/NSP10	---
50PAR30/HAL/SPL/FL40	50PAR30/H/FL35	50PAR30S/HAL/FL40	---
50PAR30LN/CAP/SPL/NFL30	50PAR30L/H/FL40	50PAR30L/HAL/NFL30	---
50PAR30LN/CAP/SPL/NSP9	50PAR30L/H/SP10	50PAR30L/HAL/NSP9	---
50PAR30LN/CAP/SPL/WFL50	50PAR30L/H/WFL	50PAR30L/HAL/WFL60	---
60PAR30/CAP/SPL/NSP9	60PAR30/H/NSP9	60PAR30S/HAL/NSP10	---
60PAR30/CAP/SPL/NFL25	60PAR30/H/FL25	60PAR30S/HAL/NFL30	---
75PAR30/CAP/SPL/NSP9	75PAR30/H/SP10	75PAR30S/HAL/SP10	---
75PAR30/CAP/SPL/NFL25	75PAR30/H/FL25	75PAR30S/HAL/NFL30	---
75PAR30/CAP/SPL/FL40	75PAR20/H/FL35	75PAR30S/HAL/FL40	---
75PAR30LN/CAP/SPL/NSP9	75PAR30L/H/SP10	75PAR30L/HAL/NSP9	---
75PAR30LN/CAP/SPL/NFL25	75PAR30L/H/FL25	75PAR30L/HAL/NFL30	---
75PAR30LN/CAP/SPL/WFL50	75PAR30L/H/WFL	75PAR30L/HAL/FL40	---
36PAR36CAPNSP13	35PAR36/H/SP8	---	---
36PAR36CAPVNSP5	35PAR36/H/SP5	---	---
36PAR36CAPWFL	35PAR36/H/FL30	---	---
50PAR36CAPNSP6	50PAR36/H/SP5	---	---
45PAR/CAP/SPL/SP9	45PAR/H/SP10	---	---
45PAR/CAP/SPL/WSP12	---	45PAR38/HAL/SP12/LL	---
45PAR/CAP/SPL/FL30	45PAR/H/FL25	45PAR38/HAL/FL28/LL	---
60PAR/CAP/SPL/SP9	60PAR/H/SP10	60PAR38/HAL/NSP10/WLL	---
60PAR/CAP/SPL/WSP12	---	60PAR38/HAL/SP12/WLL	---
60PAR/CAP/SPL/NFL25	60PAR/H/FL25	---	---
60PAR/CAP/SPL/FL30	---	60PAR38/HAL/FL28/WLL	---
75PAR/CAP/SPL/SP9	75PAR/H/SP9	75PAR38/HAL/SP10/WLL	---
75PAR/CAP/SPL/FL30	75PAR/H/FL25	75PAR38/H/FL28/WLL	---
90PAR/CAP/SPL/SP9	90PAR/H/SP10	---	---
90PAR/CAP/SPL/WSP12	---	90PAR38/HAL/SP12/LL	---
90PAR/CAP/SPL/FL30	90PAR/H/FL25	90PAR38/HAL/FL28/LL	---
90PAR/CAP/SPL/WFL50	90PAR/H/WFL	90PAR38/HAL/WFL60/WLL	---
120PAR/CAP/SPL/SP9	120PAR/H/SP9	---	---
120PAR/CAP/SPL/FL30	120PAR/H/FL30	---	---
250PARCAPSPLSP10	Q250PAR/SP10	---	---
250PARCAPSPLFL30	Q250PAR/FL30	---	---
500PAR56QMFL	Q500PAR56MFL	500PAR56Q/MFL	---
500PAR56QNSP	Q500PAR56NSP	500PAR56Q/NSP	---
500PAR56QWFL	Q500PAR56WFL	500PAR56Q/WFL	---
1000PAR64QMFL	Q1000PAR64MFL	1000PAR64Q/MFL	---
1000PAR64QNSP	Q1000PAR64NSP	1000PAR64Q/NSP	---
1000PAR64QWFL	Q1000PAR64WFL	1000PAR64Q/WFL	---
<b>CAPSYLITE IR PAR</b>			
50PAR30/CAP/IR/NSP9 130V	45PAR30/HIR/SP9XL	---	---
50PAR30/CAP/IR/NFL25 130V	45PAR30/HIR/FL25XL	---	---

# Manufacturers' Cross Reference Guide (continued)

## HALOGEN LAMPS

SYLVANIA	GE	PHILIPS	OSRAM
<b>CAPSYLITE IR PAR (continued)</b>			
50PAR30/CAP/IR/FL40 130V	45PAR30/HIR/FL35XL	---	---
50PAR30/CAP/IR/NSP9	50PAR30/HIR/SP9	50PAR30S/IRC/NSP10	---
50PAR30/CAP/IR/NFL25	50PAR30/HIR/FL25	50PAR30S/IRC/NFL30	---
50PAR30/CAP/IR/FL40	50PAR30/HIR/FL35	50PAR30S/IRC/FL40	---
50PAR/CAP/IR/SP10 130V	45PAR/HIR/SP12/XL	---	---
50PAR/CAP/IR/NFL25 130V	45PAR/HIR/FL40/XL	---	---
50PAR/CAP/IR/SP10	50PAR/HIR/SP9	50PAR38/IRC/SP12	---
50PAR/CAP/IR/NFL25	50PAR/HIR/FL25	50PAR38/IRC/FL25	---
55PAR38/CAP/IR/XP/SP9	55PAR/HIR/SP12/XL	---	---
55PAR38/CAP/IR/XP/FL30	55PAR/HIR/FL40/XL	---	---
60PAR/CAP/IR/SP10	60PAR/HIR/SP10	60PAR38/IRC/SP10	---
60PAR/CAP/IR/WSP12	60PAR/HIR/SP12	60PAR38/IRC/WSP12	---
60PAR/CAP/IR/NFL25	---	60PAR38/IRC/FL25	---
60PAR/CAP/IR/FL30	60PAR/HIR/FL30	---	---
80PAR/CAP/IR/SP10	80PAR/HIR/SP10	---	---
80PAR/CAP/IR/FL25	80PAR/HIR/FL25	---	---
100PAR/CAP/IR/SP10	100PAR/HIR/SP10	100PAR38/IRC/SP10	---
100PAR/CAP/IR/NFL25	100PAR/HIR/FL25	100PAR38/IRC/FL25	---
100PAR/CAP/IR/FL40	100PAR/HIR/FL40	---	---
<b>TRU-AIM MR11</b>			
20MR11/SP10/FTB	Q20MR11/SP15(FTC)	20MRC11/SP10	46890SP
20MR11/FL35/FTD	Q20MR11/NFL30(FTD)	20MRC11/FL30	46890WFL
35MR11/FL40/FTH	Q35MR11/NFL30(FTH)	---	46892WFL
35MR11/SP10/FTE	Q35MR11/SP20(FTF)	---	46892SP
<b>STANDARD TRU-AIM MR16</b>			
20MR16/NSP8/ESX	Q20MR16/SP	20MRC16/SP10	41860SP
20MR16/FL40/BAB	Q20MR16/FL	20MRC16/FL36	41860WFL
35MR16/FL40	Q35MR16CG/FL	---	41865WFL
50MR16/NSP12/EXT	Q50MR16/SP	50MRC16/SP10	41870SP
50MR16/NFL25/EXZ	---	50MRC16/NFL24	---
50MR16/FL40/EXN	Q50MR16/FL	50MRC16/FL38	41870WFL
65MR16/NSP10/FPA	---	75MR16/SP10-EYF	---
65MR16/FL40/FPB	---	75MR16/FL36-EYC	---
<b>TRU-AIM BRILLIANT MR16</b>			
20MR16/B/FL35/C	---	---	41861WFL
50MR16/B/NSP11/C/EXT	---	50MRC16/SP12/A	---
50MR16/B/NFL25/EXZ	---	50MRC16/NFL24/A	---
50MR16/B/FL35/C/EXN	---	50MRC16/FL36	41871WFL
<b>TRU-AIM TITAN MR16</b>			
20MR16/T/NSP10/ESX	Q20MR16/C/VNSP7	20MRC16/CC/SP10	46860SP
20MR16/T/FL40/BAB	Q20MR16/C/FL40	20MRC16/CC/FL38	46860WFL
35MR16/T/NSP10/FRB	---	---	46865SP
35MR16/T/NFL25	Q35MR16/C/SP20	---	46865FL
35MR16/T/FL40/FMW	Q35MR16/C/FL40	---	46865WFL
50MR16/T/NSP10/EXT	Q50MR16/C/NSP15	50MRC16/CC/SP10	46870SP
50MR16/T/NFL25/EXZ	Q50MR16/C/NFL25	50MRC16/CC/NFL24	46870FL
50MR16/T/FL40/EXN	Q50MR16/C/FL40	50MRC16/CC/FL38	46870WFL
50MR16/T/WFL60/FNV	Q50MR16/C/WFL55	---	46870VWFL
65MR16/T/NSP10/FPA	Q71MR16/C/NSP15	---	---
65MR16/T/NFL25	Q71MR16/C/NFL25	---	---
65MR16/T/FL40/FPB	Q71MR16/C/FL40	---	---
<b>TRU-AIM IR MR16</b>			
20MR16/IR/SP10/C	---	20MRC16/IRC/SP8	48860SP
20MR16/IR/NFL25/C	---	---	48860FL
20MR16/IR/FL40/C	---	20MRC16/IRC/FL36	48860WFL
20MR16/IR/WFL60/C	---	---	48860VWFL
37MR16/IR/SP10/C	Q37MR16/HIR/CG10	35MRC16/IRC/SP8	48865SP
37MR16/IR/NFL25/C	Q37MR16/HIR/CG25	35MRC16/IRC/NFL24	48865FL
37MR16/IR/FL40/C	Q37MR16/HIR/CG40	35MRC16/IRC/FL36	48865WFL
37MR16/IR/WFL60/C	---	35MRC16/IRC/WFL60	48865VWFL
50MR16/IR/SP10/C	Q50MR16/HIR/CG10	45MRC16/IRC/SP8	48870SP
50MR16/IR/NFL25/C	Q50MR16/HIR/CG25	45MRC16/IRC/NFL24	48870FL

## Manufacturers' Cross Reference (continued)

### HALOGEN LAMPS

SYLVANIA	GE	PHILIPS	OSRAM
<b>TRU-AIM IR MR16 (continued)</b>			
50MR16/IR/FL40/C	Q50MR16/HIR/CG40	45MRC16/IRC/FL36	48870WFL
50MR16/IR/WFL60/C	---	45MRC16/IRC/WFL60	48870VWFL
<b>SINGLE ENDED</b>			
100Q/CL/DC/64485	---	---	64485
100Q/CL/DC/ESR	Q100CL/DC	100Q/CL/DC ESR	---
100Q/CL/MC/ESN	Q100CL/MC	100Q/CL ESN	---
100Q/DC/ETD	Q100DC	---	---
150Q/CL/DC/1/ESP	Q150CL/DC/2V	---	---
150Q/CL/DC/ETC	Q150CL/DC	150Q/CL/DC ETC	---
150Q/CL/MC/2/ETG	Q150CL/MC	150Q/CL	---
150Q/CL/MC/ESL	Q150CL/MC/2V	---	---
150Q/DC/ETF	Q150DC	150Q/DC	---
150Q/MC/ETH	Q150MC	150Q ETH	---
250Q/CL/DC/ESS	Q250CL/DC	250Q/CL/DC ESS	---
250Q/CL/MC/EHT	Q250CL/MC	250Q/CL EHT	---
250Q/DC/ETB	Q250DC	---	---
250Q/MC/ESM	Q250MC	---	---
<b>DOUBLE ENDED</b>			
100T3Q/CL	Q100T3/CL/CD	BC100T3Q/CL/TP	---
150T3Q/S/CL	Q150T4/CL	BC150T3Q/CL/TP	---
150T3Q/CL	Q150T3/117/CL/CD	---	---
300T3Q/CL	Q300T3/CL	300T3Q/P/CL	---
500T3Q/CL	Q500T3/CL	500T3Q/P/CL	---
<b>BIPIN</b>			
5T3Q/CL	Q5T3/CL	5W/12V/CAPSULE	64405S
10T3Q/CL	Q10T3/CL	---	64415
20T3Q/CL	Q20T3/CL/CD	---	64425
50T4Q/CL	Q50T3/CL	50W/12V/CAPSULE	64440
75T4Q/CL/CP	Q75T4/CL/CD	---	---
10T3Q/CL/AX	---	10W/12V/CAPSULE	64415S
20T3Q/CL/AX	---	20W/12V/CAPSULE	64425S
35T4Q/CL/AX	Q35T3/CL	35W/12V/CAPSULE	64432S
50T4Q/CL/AX	---	---	64440S
75T4Q/CL/AX	---	---	64450S
90T4Q/CL/AX	---	---	64458S
<b>AR 70 &amp; AR111</b>			
20AR70/SP8	---	15ALR18/NSP6-GBA	41970 SP USA
20AR70/FL25	---	---	41970 FL USA
50AR70/SP8	---	50ALR18/SP10-GBJ	41990 SP USA
50AR70/FL25	---	50ALR18/NFL22-GBK	41990 FL USA
35AR111/SSP4	---	---	41830 SSP
50AR111/SSP4	---	---	41835 NSP 12V 50W
50AR111/SP8	---	---	41835 SP 12V 50W
50AR111/FL25	---	---	41835 FL 12V 50W
75AR111/SP8	---	---	41840 SP 12V 75W
75AR111/FL25	---	---	41840 FL 12V 75W
75AR111/WFL45	---	---	41840 WFL 12V 75W
100AR111/SP8	---	---	41850 SP 12V 100W
100AR111/FL25	---	---	41850 FL 12V 100W
100AR111/WFL45	---	---	41850 WFL 12V 100W