

# Halogen lighting

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**Put people and merchandise in the best light**

The Philips Halogen lamp family is perfect for retail lighting. Halogen lamps provide bright, white light and help save on energy and maintenance costs.

*Philips Halogen Lamps are designed to provide visual appeal, highlight merchandise and save on energy costs.*







**Halogen Energy Advantage IR Plus Lamps** provide the most enhanced features of our halogen lamp line. The double-ended burner with an IR coating optimizes lumen output. Therefore, you can use a lower wattage lamp to achieve energy savings and also get a longer rated average life than standard halogen equivalents.

**Halogen Energy Advantage Lamps** provide increased energy saving when compared to standard incandescent lamps and last longer.

**EcoVantage Lamps** are an elegant, energy saving alternative to ordinary household incandescent light. EcoVantage lamps are fully dimmable and meet the requirement of EISA 2007\* legislation.

\* Complies with the Energy Independence and Security Act of 2007 (Public Law 110-140). Section 321—Efficient Light Bulbs.

**UPGRADE TO ENERGY EFFICIENT LAMPS**

CURRENT PRODUCT	PHILIPS UPGRADE PRODUCT	BENEFIT	PAGE
 <p>60W PAR38 Halogen</p>	 <p>Energy Advantage Halogen PAR38 IR Plus 39W</p>	<ul style="list-style-type: none"> <li>&gt; High quality light brings out colors and textures</li> <li>&gt; High performance IR coating on a double-ended quartz burner</li> <li>&gt; Increased uniform beam intensity without hot spots</li> </ul>	<b>109</b>
 <p>75W R20 Incandescent</p>	 <p>Halogen Energy Advantage R20 40W</p>	<ul style="list-style-type: none"> <li>&gt; Save 35W and 47% energy saving†</li> <li>&gt; Complies with EISA 2007 (Energy Independence and Security Act of 2007) efficiency standards for 2012-2014</li> </ul>	<b>102</b>
 <p>60W A19 Incandescent</p>	 <p>EcoVantage Natural Light 43W</p>	<ul style="list-style-type: none"> <li>&gt; Provides light similar to natural daylight</li> <li>&gt; Saves 28% in energy costs when replacing a 60W incandescent‡</li> <li>&gt; Complies with EISA 2007 (Energy Independence and Security Act of 2007) efficiency standards for 2012-2014</li> </ul>	<b>102</b>

† 75W - 40W = 35W / 75W = 47%. When compared to a 75-Watt standard incandescent A19 rated at 570 lumens, the 40-Watt EcoVantage A19 rated at 570 lumens provides 47% energy savings.  
 ‡ 60W - 43W = 17W / 60W = 28%. When compared to a 60-Watt standard incandescent A19 rated at 680 lumens, the 43-Watt EcoVantage A19 rated at 630 lumens provides 28% energy savings.

# HALOGEN LAMPS

## Ecovantage, Halogená Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
29	A19	Med.	40983-9	\$@□†(103)	29A19/EV	120	12	White	C, CC-8	4 $\frac{1}{16}$	1000	—	380
			41050-6	\$@□†(103)	29A19/EV/CL	120	12	Clear	C, CC-8	4 $\frac{1}{16}$	1000	—	380
43	A19	Med.	40948-7	\$@□†(103)	43A19/EV	120	12	White	C, CC-8	4 $\frac{1}{16}$	1000	—	750
			41049-8	\$@□†(103)	43A19/EV/CL	120	12	Clear	C, CC-8	4 $\frac{1}{16}$	1000	—	750
			22695-1	\$@□†(103)	43A19/EV/NTL	120	12	Natural Light	C, CC-8	4 $\frac{1}{16}$	1250	—	630
53	A19	Med.	22696-9	\$@□†(103)	53A19/EV/NTL	120	12	Natural Light	C, CC-8	4 $\frac{1}{16}$	1250	—	830
72	A19	Med.	40982-1	\$@□†(103)	72A19/EV	120	12	White	C, CC-8	4 $\frac{1}{16}$	1000	—	1490
			41048-0	\$@□†(103)	72A19/EV/CL	120	12	Clear	C, CC-8	4 $\frac{1}{16}$	1000	—	1490
			22699-3	\$@□†(103)	72A19/EV/NTL	120	12	Natural Light	C, CC-8	4 $\frac{1}{16}$	1000	—	1200

### HALOGENÁ ENERGY SAVER

40	T60	Med.	20967-6	\$@□(103)	40T60/HES/WH	120	6	White	C, CC-8	4 $\frac{1}{8}$	3000	—	800
	R20	Med.	21202-7	\$@□(104)	40R20/HES/FL	120	6	Flood	C, CC-8	3 $\frac{1}{16}$	3000	—	570
	BR30	Med.	20970-0	\$@□(104)	40BR30/HES/FL	120	5	Flood	C, CC-8	5 $\frac{1}{8}$	3000	—	600
	BR40	Med.	20972-6	\$@□(104)	40BR40/HES/FL	120	4	Flood	C, CC-8	6 $\frac{1}{2}$	3000	—	630
50	BR30	Med.	22998-9	\$@□(104)	50BR30/HES/FL	120	5	Flood	C, CC-8	5 $\frac{1}{8}$	3000	—	800
70	BR40	Med.	22999-7	\$@□(104)	70BR40/HES/FL	120	4	Flood	C, CC-8	6 $\frac{1}{2}$	3000	—	1285
	T60	Med.	20969-2	\$@□(103)	70T60/HES/WH	120	6	White	C, CC-8	4 $\frac{1}{8}$	3000	—	1600

### HALOGENÁ ENERGY ADVANTAGE PRO PACKS (102)

40	T60	Med.	21354-6	\$@□†(103)	40T60/HEA/WH	120	12	White	C, CC-8	4 $\frac{1}{8}$	3000	—	800
	R20	Med.	22236-4	\$@□†(104)	40R20/HEA/FL	120	12	Flood	C, CC-8	3 $\frac{1}{16}$	3000	450	—
	BR30	Med.	21359-5	\$@□†(104)	40BR30/HEA/FL	120	12	Flood	C, CC-8	5 $\frac{1}{8}$	3000	2250	—
	BR40	Med.	22238-0	\$@□(104)	40BR40/HEA/FL	120	12	Flood	C, CC-8	6 $\frac{1}{2}$	3000	—	630
50	T60	Med.	21356-1	\$@□†(103)	50T60/HEA/WH	120	12	White	C, CC-8	4 $\frac{1}{8}$	3000	—	1100
	BR30	Med.	22994-8	\$@□†(104)	50BR30/HEA/FL	120	12	Flood	C, CC-8	5 $\frac{1}{8}$	3000	—	800
70	BR40	Med.	22997-1	\$@□†(104)	70BR40/HEA/FL	120	12	Flood	C, CC-8	6 $\frac{1}{2}$	3000	—	1285
	T60	Med.	21358-7	\$@□(103)	70T60/HEA/WH	120	12	White	C, CC-8	4 $\frac{1}{8}$	3000	—	1600

### HALOGENÁ CLASSIC BLISTER-CARDED (96)

60	BT15	Med.	24924-3		BC60BT15/HAL/CL	120	10	Clear, Blister Card	C, CC-8	4	3000	—	900
			24926-8		BC60BT15/HAL/W	120	10	White, Blister Card	C, CC-8	4	3000	—	840
			38915-5		BC60BT15/HAL/W	120	80	White, Blister Card	C, CC-8	4	3000	—	840
75	BT15	Med.	24927-6		BC75BT15/HAL/W	120	10	White, Blister Card	C, CC-8	4	3000	—	1120
100	BT15	Med.	24931-8		BC100BT15/HAL/W	120	10	White, Blister Card	C, CC-8	4	3000	—	1670
150	BT15	Med.	24933-4		BC150BT15/HAL/W	120	10	White, Blister Card	C, CC-8	4	3000	—	2650

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)

Halogen symbols and footnotes located on page 116



# HALOGEN LAMPS

## Halogená Classic, Halogená Decorative Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
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### HALOGENÁ CLASSIC BLISTER-CARDED—REDUCED WATTAGE (96, 102)

55	BT15	Med.	21378-5	\$ (101)	BC55BT15/HAL/CL	120	10	Clear, Blister Card	C, CC-8	4	3000	—	825
			21280-1	\$	BC55BT15/HAL/CL	120	4	Clear, Blister Card	C, CC-8	4	3000	—	825
			21379-3	\$ (101)	BC55BT15/HAL/W	120	10	White, Blister Card	C, CC-8	4	3000	—	770
			21381-9	\$	BC55BT15/HAL/W	120	4	White, Blister Card	C, CC-8	4	3000	—	770
	CP19	Med.	21383-5	\$ □	BC55CP19/HAL/CL	120	6	Clear, Blister Card	C, CC-8	4%	3000	—	825
70	BT15	Med.	21386-8	\$ (101)	BC70BT15/HAL/W	120	10	White, Blister Card	C, CC-8	4	3000	—	1045
			21387-6	\$	BC70BT15/HAL/W	120	4	White, Blister Card	C, CC-8	4	3000	—	1045

### HALOGENÁ DECORATIVE BLISTER-CARDED (96)

25	F10½	Cand.	14450-1		BC25F10½C/HAL/CL	120	12	Clear, Blister Card	C, CC-8	4%	3000	—	300
		Med.	14453-5		BC25F10½/HAL/CLTP	120	12	Clear, Blister Card	C, CC-8	4%	3000	—	300
40	F10½	Med.	36485-1	□	BC40CP19/HAL/CL	120	6	Clear, Blister Card	C, CC-8	4%	3000	—	540
		Cand.	14451-9		BC40F10½C/HAL/CL	120	12	Clear, Blister Card	C, CC-8	4%	3000	—	540
		Med.	14454-3		BC40F10½/HAL/CLTP	120	12	Clear, Blister Card	C, CC-8	4%	3000	—	540
60	F10½	Med.	36411-7	□	BC60CP19/HAL/CL	120	6	Clear, Blister Card	C, CC-8	4%	3000	—	900
		Cand.	14452-7		BC60F10½C/HAL/CL	120	12	Clear, Blister Card	C, CC-8	4%	3000	—	900
		Med.	14455-0		BC60F10½/HAL/CLTP	120	12	Clear, Blister Card	C, CC-8	4%	3000	—	900
		Med.	38551-8		BC60F15/HAL/POST TOP	120	4	Clear, Blister Card	C, CC-8	4%	3000	—	900

### HALOGENÁ DECORATIVES BOXED

25	F10½	Med.	22405-5		25F10½/HEA/CL	120	15	Clear	C, CC-8	4%	3000	—	300
		Cand.	22400-6		25F10½C/HEA/CL	120	15	Clear	C, CC-8	4%	3000	—	300
40	F10½	Med.	22408-9		40F10½/HEA/CL	120	15	Clear	C, CC-8	4%	3000	—	540
		Cand.	22407-1		40F10½C/HEA/CL	120	15	Clear	C, CC-8	4%	3000	—	540
		G25	Med.	15024-3		40G25/CL/HAL	120	6	Clear	C, CC-8	4%	3000	—
15023-5				40G25/W/HAL	120	6	White	C, CC-8	4%	3000	—	475	
60	G25	Med.	15026-8		60G25/CL/HAL	120	6	Clear	C, CC-8	4%	3000	—	990
			15025-0		60G25/W/HAL	120	6	White	C, CC-8	4%	3000	—	870

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Halogen symbols and footnotes located on page 116



# HALOGEN LAMPS

## Halogená Natural Light, Halogená Reflector Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
<b>HALOGENÁ NATURAL LIGHT PLUS INDOOR FLOODLIGHT (97, 103, 104)</b>													
45	R20	Med.	20571-6	□	45R20/HAL/NLP/FL	120	12	Flood	C, CC-8	3 5/8	3000	330	415
60	BR30	Med.	20257-2	□	60BR30/HAL/NLP/FL	120	6	Flood	C, CC-8	5 3/8	3000	380	500
	BR40	Med.	20573-2	□	60BR40/HAL/NLP/FL	120	6	Flood	C, CC-8	6 1/2	3000	360	600
<b>HALOGENÁ INDOOR FLOODLIGHT, SPOTLIGHT (97, 103, 104)</b>													
45	R20	Med.	14727-2	□	45R20/HAL/FL	120	12	Flood	C, CC-8	3 5/8	3000	450	420
60	BR30	Med.	38875-1	□	60BR30/HAL/SP	120	6	Spot	C, CC-8	5 3/8	3000	2250	700
			38849-6	□	60BR30/HAL/FL	120	6	Flood	C, CC-8	5 3/8	3000	500	700
			15879-0	□	60BR30/HAL/FL	120	20	Flood	C, CC-8	5 3/8	3000	500	700
	BR40	Med.	39174-8	□	60BR40/HAL/FL	120	6	Flood	C, CC-8	6 1/2	3000	325	750
<b>HALOGENÁ LONG LIFE INDOOR FLOODLIGHT (97, 103, 104)</b>													
60	BR30	Med.	20579-9	□	60BR30/HAL/FL/LL	120	6	Flood	C, CC-8	5 3/8	4400	2250	700
	BR40	Med.	20580-7	□	60BR40/HAL/FL/LL	120	6	Flood	C, CC-8	6 1/2	4400	325	750
<b>HALOGENÁ PARI 6 LAMPS BLISTER-CARDED (82, 86)</b>													
45	PAR16	Med.	13412-2		BC45PAR16/HAL/FL/LL	120	6	Blister Card, Flood	C, CC-8	3 3/8	3000	1250	420
60	PAR16	Med.	13413-0		BC60PAR16/HAL/FL/LL	120	6	Blister Card, Flood	C, CC-8	3 3/8	3000	1800	580
<b>HALOGENÁ PAR20 ELECTRONIC LAMPS (82, 86)</b>													
20	PAR20	Med.	40494-7	\$ □	20PAR20E/SP10	120	12	Spot	C, C-8	3 3/8	5000	6600	—
			15216-5	\$ □	20PAR20E/FL25	120	12	Flood	C, C-8	3 3/8	5000	1200	—
<b>HALOGENÁ LONG LIFE PAR20 LAMPS (82, 86)</b>													
50	PAR20	Med.	13411-4		50PAR20/HAL/SP/LL	120	6	Spot	C, CC-8	3 3/8	3000	4000	520
			13410-6		50PAR20/HAL/FL/LL	120	6	Flood	C, CC-8	3 3/8	3000	900	520
<b>HALOGENÁ PAR30 LONG LAMPS (82, 86)</b>													
50	PAR30L	Med.	13407-2	Ⓢ	50PAR30L/HAL/FL/LL	120	6	Flood	C, CC-8	4 1/2	3000	2350	590
75	PAR30L	Med.	13409-8	Ⓢ	75PAR30L/HAL/SP/LL	120	6	Spot	C, CC-8	4 1/2	3000	12,300	1000
			13408-0	Ⓢ	75PAR30L/HAL/FL/LL	120	6	Flood	C, CC-8	4 1/2	3000	4100	1000

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# HALOGEN LAMPS

## Halogená Reflectors, Halogen PAR38, PAR16, PAR20 Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
<b>HALOGENÁ PAR38 LAMPS (82, 86)</b>													
45	PAR38 Standard Reflector	Med.Skt.	13404-9	Ⓢ	45PAR38/HAL/SP/LL	120	6	Spot	C, CC-8	5%	3000	5800	530
			13401-5	Ⓢ	45PAR38/HAL/FL/LL	120	6	Flood	C, CC-8	5%	3000	2000	530
60	PAR38 Standard Reflector	Med.Skt.	14022-8	Ⓢ	60PAR38/HAL/FL/LL	120	6	Flood	C, CC-8	5%	3000	3000	800
75	PAR38 Standard Reflector	Med.Skt.	14720-7	Ⓢ	75PAR38/NLP/FL	120	6	Flood	C, CC-8	5%	3000	3600	960
90	PAR38 Standard Reflector	Med.Skt.	13405-6	Ⓢ	90PAR38/HAL/SP/LL	120	6	Spot	C, CC-8	5%	3000	14,500	1350
			13402-3	Ⓢ	90PAR38/HAL/FL/LL	120	6	Flood	C, CC-8	5%	3000	4500	1350
<b>HALOGEN PAR38 LAMPS (82, 86)</b>													
45	PAR38	Med.Skt.	26883-9	Ⓢ	45PAR38/HAL/FL	120	6	Flood	C, CC-8	5%	2000	2000	560
90	PAR38	Med.Skt.	26877-1	Ⓢ	90PAR38/HAL/FL	120	6	Flood	C, CC-8	5%	2000	4500	1370
			13403-1	Ⓢ	90PAR38/HAL/FL/LL	120	36	Flood	C, CC-8	5%	3000	4500	1350
<b>HALOGEN PAR16 LAMPS (82, 86)</b>													
45	PAR16	Med.	26335-0		45PAR16/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	3000	3850	420
			26345-9		45PAR16/HAL/FL27	120	15	Flood 27°	C, CC-8	3%	3000	1275	420
60	PAR16	Med.	33004-3		60PAR16/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	3000	5075	580
			33006-8		60PAR16/HAL/FL27	120	15	Flood 27°	C, CC-8	3%	3000	1900	580
<b>HALOGEN PAR16 LAMPS 130V (82, 86)</b>													
45	PAR16	Med.	26348-3	\$	45PAR16/HAL/FL27	130	15	Flood 27° Ratings @ 120V=40W	C, CC-8	3%	2500	1275	450
											5000	1040	340
60	PAR16	Med.	33005-0	\$	60PAR16/HAL/SP10	130	15	Spot 10° Ratings @ 120V=53W	C, CC-8	3%	3000	5075	580
											6000	4000	450
			33007-6	\$	60PAR16/HAL/FL27	130	15	Flood 27° Ratings @ 120V=53W	C, CC-8	3%	3000	1900	580
											6000	1440	450
<b>HALOGEN PAR20 LAMPS WISO REFLECTOR (82, 86)</b>													
50	PAR20	Med.	22906-2	Ⓢ	50PAR20/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	3000	4000	530

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# HALOGEN LAMPS

## PAR20, PAR30L, PAR30S Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
<b>HALOGEN PAR20 LAMPS 130V WISO REFLECTOR (82, 86)</b>													
50	PAR20	Med.	13846-1	\$	50PAR20/HAL/SP10	130	15	Spot 10° Ratings @ 120V=44W	C, CC-8	3%	2000 4000	4000 3320	550 420
			22921-1	\$	50PAR20/HAL/FL25	130	15	Flood 25° Ratings @ 120V=44W	C, CC-8	3%	2000 4000	1100 880	550 420
<b>HALOGEN PAR30L LONG NECK LAMPS WISO REFLECTOR (82, 86)</b>													
50	PAR30L	Med.	22922-9	ⓔ	50PAR30L/HAL/SP10	120	15	Spot 10°	C, CC-8	4½	3000	5500	590
			22923-7	ⓔ	50PAR30L/HAL/WSP16	120	15	Wide Spot 16°	C, CC-8	4½	3000	3500	590
			22925-2	ⓔ	50PAR30L/HAL/FL25	120	15	Flood 25°	C, CC-8	4½	3000	2100	590
			22927-8	ⓔ	50PAR30L/HAL/WFL40	120	15	Wide Flood 40°	C, CC-8	4½	3000	950	590
75	PAR30L	Med.	22930-2	ⓔ	75PAR30L/HAL/SP10	120	15	Spot 10°	C, CC-8	4½	3000	12,300	1000
			22934-4	ⓔ	75PAR30L/HAL/WSP16	120	15	Wide Spot 16°	C, CC-8	4½	3000	6700	1000
			22941-9	ⓔ	75PAR30L/HAL/FL25	120	15	Flood 25°	C, CC-8	4½	3000	4100	1000
			22944-3	ⓔ	75PAR30L/HAL/WFL40	120	15	Wide Flood 40°	C, CC-8	4½	3000	1650	1000
<b>HALOGEN PAR30L LONG NECK LAMPS 130V WISO REFLECTOR (82, 86)</b>													
50	PAR30L	Med.	22926-0	\$ⓔ	50PAR30L/HAL/FL25	130	15	Flood 25° Ratings @ 120V=44W	C, CC-8	4½	2000 4000	2300 1960	630 470
			22928-6	\$ⓔ	50PAR30L/HAL/WFL40	130	15	Wide Flood 40° Ratings @ 120V=44W	C, CC-8	4½	2000 4000	1050 840	630 470
75	PAR30L	Med.	13848-7	\$ⓔ	75PAR30L/HAL/SP10	130	15	Spot 10° Ratings @ 120V=66W	C, CC-8	4½	2500 5000	13,000 10,400	1050 780
			22943-5	\$ⓔ	75PAR30L/HAL/FL25	130	15	Flood 25° Ratings @ 120V=66W	C, CC-8	4½	2500 5000	4200 3360	1050 780
			22945-0	\$ⓔ	75PAR30L/HAL/WFL40	130	15	Wide Flood 40° Ratings @ 120V=66W	C, CC-8	4½	2500 5000	1750 1400	1050 780
<b>HALOGEN PAR30S SHORT LAMPS WISO REFLECTOR (82, 86)</b>													
50	PAR30S	Med.	26349-1	ⓔ	50PAR30S/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	3500	5800	610
			26358-2	ⓔ	50PAR30S/HAL/FL25	120	15	Flood 25°	C, CC-8	3%	3500	1800	610
			26364-0	ⓔ	50PAR30S/HAL/WFL40	120	15	Wide Flood 40°	C, CC-8	3%	3500	900	610
60	PAR30S	Med.	35751-7	ⓔ	60PAR30S/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	3000	8000	800
			35753-3	ⓔ	60PAR30S/HAL/FL25	120	15	Flood 25°	C, CC-8	3%	3000	2500	800
75	PAR30S	Med.	35758-2	ⓔ	60PAR30S/HAL/WFL40	120	15	Wide Flood 40°	C, CC-8	3%	3000	1250	800
			28479-4	ⓔ	75PAR30S/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	3500	9600	1050
			28488-5	ⓔ	75PAR30S/HAL/FL25	120	15	Flood 25°	C, CC-8	3%	3500	3850	1050
			28491-9	ⓔ	75PAR30S/HAL/WFL40	120	15	Wide Flood 40°	C, CC-8	3%	3500	1650	1050
<b>HALOGEN ENERGY ADVANTAGE IR PAR30L LONG NECK LAMPS FEATURING HALOGEN INFRARED TECHNOLOGY AND WISO REFLECTOR (82, 86)</b>													
<b>LOWER WATTAGE ENERGY SAVING LAMPS</b>													
50	PAR30L	Med.	23799-0	\$ⓔ †	50PAR30L/IRC/SP10	120	15	Spot 10°	C, CC-8	4½	4200	12,000	1000
			23429-4	\$ⓔ †	50PAR30L/IRC/FL25	120	15	Flood 25°	C, CC-8	4½	4200	3500	1000
			23800-6	\$ⓔ †	50PAR30L/IRC/WFL40	120	15	Wide Flood 40°	C, CC-8	4½	4200	1600	1000

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# HALOGEN LAMPS

## PAR30S, Energy Advantage IR Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
<b>HALOGEN PAR30S SHORT LAMPS 130V WISO REFLECTOR (82, 86)</b>													
50	PAR30S	Med.	26357-4	\$€	50PAR30S/HAL/SP10	130	15	Spot 10° Ratings @ 120V=44W	C, CC-8	3%	2000 4000	6000 5680	630 480
			26362-4	\$€	50PAR30S/HAL/FL25	130	15	Flood 25° Ratings @ 120V=44W	C, CC-8	3%	2000 4000	2000 1840	630 480
			26384-8	\$€	50PAR30S/HAL/WFL40	130	15	Wide Flood 40° Ratings @ 120V=44W	C, CC-8	3%	2000 4000	1050 816	630 480
60	PAR30S	Med.	35752-5	\$€	60PAR30S/HAL/SP10	130	15	Spot 10° Ratings @ 120V=53W	C, CC-8	3%	3000 6000	8000 7720	800 610
			35788-9	\$€	60PAR30S/HAL/FL25	130	15	Flood 25° Ratings @ 120V=53W	C, CC-8	3%	3000 6000	2500 2320	800 610
			35762-4	\$€	60PAR30S/HAL/WFL40	130	15	Wide Flood 40° Ratings @ 120V=53W	C, CC-8	3%	3000 6000	1250 1040	800 610
75	PAR30S	Med.	13849-5	\$€	75PAR30S/HAL/SP10	130	15	Spot 10° Ratings @ 120V=66W	C, CC-8	3%	2500 5000	11,700 10,320	1050 800
			13467-6	\$€	75PAR30S/HAL/FL25	130	15	Flood 25° Ratings @ 120V=66W	C, CC-8	3%	2500 5000	3900 3280	1050 800
			28492-7	\$€	75PAR30S/HAL/WFL40	130	15	Wide Flood 40° Ratings @ 120V=66W	C, CC-8	3%	2500 5000	1750 1320	1050 800

### HALOGEN ENERGY ADVANTAGE IR PAR30S SHORT LAMPS FEATURING HALOGEN INFRARED TECHNOLOGY AND WISO REFLECTOR (82, 86)

#### LOWER WATTAGE ENERGY SAVING LAMPS

40	PAR30S	Med.	14496-3	\$€	40PAR30S/IRC/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	4200	8240	720
			14497-1	\$€	40PAR30S/IRC/HAL/FL25	120	15	Flood 25°	C, CC-8	3%	4200	2420	720
			14498-9	\$€	40PAR30S/IRC/HAL/WFL40	120	15	Wide Flood 40°	C, CC-8	3%	4200	1000	720
50	PAR30S	Med.	14499-7	\$€	50PAR30S/IRC/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	4200	12,000	970
			14500-3	\$€	50PAR30S/IRC/HAL/FL25	120	15	Flood 25°	C, CC-8	3%	4200	3850	970
			14501-1	\$€	50PAR30S/IRC/HAL/WFL40	120	15	Wide Flood 40°	C, CC-8	3%	4200	1420	970
60	PAR30S	Med.	15004-5	\$€	60PAR30S/IRC/HAL/SP10	120	15	Spot 10°	C, CC-8	3%	4200	15,100	1140
			15007-8	\$€	60PAR30S/IRC/HAL/FL25	120	15	Flood 25°	C, CC-8	3%	4200	4300	1140
			14989-8	\$€	60PAR30S/IRC/HAL/WFL40	120	15	Wide Flood 40°	C, CC-8	3%	4200	1800	1140

#### ENERGY ADVANTAGE IR PLUS HALOGEN PAR30 SHORT LAMPS

39	PAR30S	Med.	23853-5		39PAR30S/IRC+/SP10	120	15	Spot 10°	C, CC-8	3%	4200	11,000	650
			23854-3		39PAR30S/IRC+/FL25	120	15	Flood 25°	C, CC-8	3%	4200	2200	650
55	PAR30S	Med.	23855-0		55PAR30S/IRC+/SP10	120	15	Spot 10°	C, CC-8	3%	4200	13,000	1015
			23856-8		55PAR30S/IRC+/FL25	120	15	Flood 25°	C, CC-8	3%	4200	3300	1015
			23857-6		55PAR30S/IRC+/WFL40	120	15	Wide Flood 40°	C, CC-8	3%	4200	1500	1015

#### HALOGEN ENERGY ADVANTAGE IR PAR30S SHORT LAMPS 130V FEATURING HALOGEN INFRARED TECHNOLOGY AND WISO REFLECTOR (82, 86)

50	PAR30S	Med.	13853-7	\$€	50PAR30S/IRC/HAL/SP10	130	15	Spot 10° Ratings @ 120V=44W	C, CC-8	3%	3000 6000	11,000 —	840 650
			13854-5	\$€	50PAR30S/IRC/HAL/FL25	130	15	Flood 25° Ratings @ 120V=44W	C, CC-8	3%	3000 6000	2800 —	840 650
			13855-2	\$€	50PAR30S/IRC/HAL/WFL40	130	15	Wide Flood 40° Ratings @ 120V=44W	C, CC-8	3%	3000 6000	1400 —	840 650

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# HALOGEN LAMPS

## PAR36, PAR38 Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens	
<b>HALOGEN PAR36 LAMPS</b>														
11	PAR36	MP	15683-6		11PAR36Q/FL30	12	6	PAR, Flood	C, C-6	2¾	2000	—	60	
36	PAR36	MP	15685-1		36OAR36Q/FL30	12	6	PAR, Flood	C, C-6	2¾	4000	—	450	
50	PAR36	MP	15684-4		50PAR36Q/FL30	12	6	PAR, Flood	C, C-6	2¾	4000	—	650	
			13082-3		50PAR36Q/VNSP6	12	12	PAR, Narrow Spot	C, C-6	2¾	4000	35,000	400	
<b>HALOGEN PAR38 LAMPS (82, 86)</b>														
45	PAR38	Med. Skt.	22946-8	ⓔ	45PAR38/HAL/SP10	120	12	Spot 10°	C, CC-8	5⅝	3000	5800	530	
			Standard Reflector	20231-7	ⓔ	45PAR38/HAL/FL25	120	12	Flood 25°	C, CC-8	5⅝	3000	2000	530
60	PAR38	Med. Skt.	14482-4	ⓔ	60PAR38/HAL/SP10	120	12	Spot 10°	C, CC-8	5⅝	3000	10,500	800	
			Standard Reflector	14483-2	ⓔ	60PAR38/HAL/FL25	120	12	Flood 25°	C, CC-8	5⅝	3000	3200	800
				14484-0	ⓔ	60PAR38/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5⅝	3000	1300	800
75	PAR38	Med. Skt.	14485-7	ⓔ	75PAR38/HAL/SP10	120	12	Spot 10°	C, CC-8	5⅝	3000	13,000	1050	
			Standard Reflector	14486-5	ⓔ	75PAR38/HAL/FL25	120	12	Flood 25°	C, CC-8	5⅝	3000	3800	1050
90	PAR38	Med. Skt.	23069-8	ⓔ	90PAR38/HAL/SP10	120	12	Spot 10°	C, CC-8	5⅝	3000	14,500	1350	
			Standard Reflector	20234-1	ⓔ	90PAR38/HAL/FL25	120	12	Flood 25°	C, CC-8	5⅝	3000	4500	1350
				27429-0	ⓔ	90PAR38/HAL/FL	120	15	Flood 28°	C, CC-8	5⅝	2000	4500	1370
				38925-4	ⓔ	90PAR38/HAL/FL	120	18	Flood 28°	C, CC-8	5⅝	2000	4500	1370
				14487-3	ⓔ	90PAR38/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5⅝	3000	2200	1350
<b>HALOGEN PAR38 LAMPS 130V (82, 86)</b>														
45	PAR38	Med. Skt.	22947-6	\$ ⓔ	45PAR38/HAL/SP10	130	12	Spot 10° Ratings @ 120V=40W	C, CC-8	5⅝	2500 5000	5800 4960	530 410	
			Standard Reflector	22949-2	\$ ⓔ	45PAR38/HAL/FL25	130	12	Flood 25° Ratings @ 120V=40W	C, CC-8	5⅝	2500 5000	2000 1600	530 410
60	PAR38	Med. Skt.	14488-1	\$ ⓔ	60PAR38/HAL/SP10	130	12	Spot 10° Ratings @ 120V=53W	C, CC-8	5⅝	3000 6000	10,500 8400	800 610	
			Standard Reflector	14490-7	\$ ⓔ	60PAR38/HAL/FL25	130	12	Flood 25° Ratings @ 120V=53W	C, CC-8	5⅝	3000 6000	3200 2560	800 610
				14489-9	\$ ⓔ	60PAR38/HAL/FL25	130	36	Flood 25° Ratings @ 120V=53W	C, CC-8	5⅝	3000 6000	3200 2560	800 610
				14491-5	\$ ⓔ	60PAR38/HAL/WFL40	130	12	W. Flood 40° Ratings @ 120V=53W	C, CC-8	5⅝	3000 6000	1300 1040	800 610
75	PAR38	Med. Skt.	14493-1	\$ ⓔ	75PAR38/HAL/SP10	130	12	Spot 10° Ratings @ 120V=66W	C, CC-8	5⅝	2500 5000	14,000 11,200	1100 840	
			Standard Reflector	14494-9	\$ ⓔ	75PAR38/HAL/FL25	130	12	Flood 25° Ratings @ 120V=66W	C, CC-8	5⅝	2500 5000	4350 3480	1100 840
90	PAR38	Med. Skt.	23650-5	\$ ⓔ	90PAR38/HAL/SP10	130	12	Spot 10° Ratings @ 120V=79W	C, CC-8	5⅝	2500 5000	14,500 13,120	1350 1020	
			Standard Reflector	23651-3	\$ ⓔ	90PAR38/HAL/FL25	130	12	Flood 25° Ratings @ 120V=79W	C, CC-8	5⅝	2500 5000	4500 3600	1350 1020
				14495-5	\$ ⓔ	90PAR38/HAL/WFL40	130	12	Wide Flood 40° Ratings @ 120V=79W	C, CC-8	5⅝	2500 5000	2200 1760	1350 1020

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# HALOGEN LAMPS

## Energy Advantage IR PAR38 Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
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### HALOGEN ENERGY ADVANTAGE IR PAR38 LAMPS FEATURING HALOGEN INFRARED TECHNOLOGY AND DIOPTIC REFLECTOR (82, 86)

LOWER WATTAGE ENERGY SAVING LAMPS													
40	PAR38	Med.Skt.	14502-9	\$Ⓜ	40PAR38/IRC/HAL/SP10	120	12	Spot 10°	C, CC-8	5%	4200	11,000	720
	Dioptic		14503-7	\$Ⓜ	40PAR38/IRC/HAL/FL25	120	12	Flood 25°	C, CC-8	5%	4200	3000	720
	Reflector		14504-5	\$Ⓜ	40PAR38/IRC/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5%	4200	1050	720
50	PAR38	Med.Skt.	14505-2	\$Ⓜ	50PAR38/IRC/HAL/SP10	120	12	Spot 10°	C, CC-8	5%	4200	15,500	970
	Dioptic		14506-0	\$Ⓜ	50PAR38/IRC/HAL/FL25	120	12	Flood 25°	C, CC-8	5%	4200	4000	970
	Reflector		14507-8	\$Ⓜ	50PAR38/IRC/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5%	4200	1500	970
60	PAR38	Med.Skt.	13873-5	\$Ⓜ	60PAR38/IRC/HAL/SP10	120	12	Spot 10°	C, CC-8	5%	4200	15,500	1120
	Dioptic		13874-3	\$Ⓜ	60PAR38/IRC/HAL/FL25	120	12	Flood 25°	C, CC-8	5%	4200	5100	1120
	Reflector		13875-0	\$Ⓜ	60PAR38/IRC/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5%	4200	1800	1120
70	PAR38	Med.Skt.	13861-0	\$Ⓜ	70PAR38/IRC/HAL/SP10	120	12	Spot 10°	C, CC-8	5%	4200	17,800	1550
	Dioptic		13862-8	\$Ⓜ	70PAR38/IRC/HAL/FL25	120	12	Flood 25°	C, CC-8	5%	4200	6170	1550
	Reflector		13863-6	\$Ⓜ	70PAR38/IRC/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5%	4200	2320	1550
100	PAR38	Med.Skt.	13876-8	\$Ⓜ	100PAR38/IRC/HAL/SP10	120	12	Spot 10°	C, CC-8	5%	4200	26,400	2200
	Dioptic		13877-6	\$Ⓜ	100PAR38/IRC/HAL/FL25	120	12	Flood 25°	C, CC-8	5%	4200	8500	2200
	Reflector		13878-4	\$Ⓜ	100PAR38/IRC/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5%	4200	3500	2200

### HALOGEN ENERGY ADVANTAGE IR PLUS HALOGEN PAR38 LAMPS

39	PAR38	Med.	23844-4		39PAR38/IRC+/SP10	120	12	Spot 10°	C, CC-8	5%	4200	11,000	720
			23845-1		39PAR38/IRC+/FL25	120	12	Flood 25°	C, CC-8	5%	4200	2500	720
55	PAR38	Med.	23847-7		55PAR38/IRCE/SP10	120	12	Spot 10°	C, CC-8	5%	4200	16,500	1120
			23865-9		55PAR38/IRCE/FL25	120	12	Flood 25°	C, CC-8	5%	4200	4100	1120
			23849-3		55PAR38/IRCE/WFL40	120	12	Wide Flood 40°	C, CC-8	5%	4200	1800	1120
83	PAR38	Med.	23850-1		83PAR38/IRC+/SP10	120	12	Spot 10°	C, CC-8	5%	4200	25,000	2000
			23851-9		83PAR38/IRC+/FL25	120	12	Flood 25°	C, CC-8	5%	4200	7000	2000
			23852-7		83PAR38/IRC+/WFL40	120	12	Wide Flood 40°	C, CC-8	5%	4200	3000	2000

### HALOGEN ENERGY ADVANTAGE IR PAR38 LAMPS 130V FEATURING HALOGEN INFRARED TECHNOLOGY AND DIOPTIC REFLECTOR (82, 86)

60	PAR38	Med.Skt.	13920-4	\$Ⓜ	60PAR38/IRC/HAL/SP10	130	12	Spot 10°	C, CC-8	5%	4200	15,500	1120
	Dioptic							Ratings @ 120V=53W			8400	—	880
	Reflector		13879-2	\$Ⓜ	60PAR38/IRC/HAL/FL25	130	12	Flood 25°	C, CC-8	5%	4200	5100	1120
								Ratings @ 120V=53W			8400	—	880
			13918-8	\$Ⓜ	60PAR38/IRC/HAL/WFL40	130	12	Wide Flood	C, CC-8	5%	4200	1800	1120
								Ratings @ 120V=53W			8400	—	880

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Energy Advantage  
IR PAR38  
Med. Skt.

# HALOGEN LAMPS

## Long Life IR PAR38, PAR38, MRC11 Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
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### HALOGEN LONG LIFE IR PAR38 FEATURING HALOGEN INFRARED TECHNOLOGY AND DIOPTIC REFLECTOR (82, 86)

These lamps are 130V lamps run on 120V.

45	PAR38	Med.Skt.	13919-6	\$Ⓢ	45PAR38/IRC/HAL/SP10	120	12	Spot 10°	C, CC-8	5/16	6000	8750	675
			13856-0	\$Ⓢ	45PAR38/IRC/HAL/FL25	120	12	Flood 25°	C, CC-8	5/16	6000	3000	675
			13857-8	\$Ⓢ	45PAR38/IRC/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5/16	6000	1140	675
55	PAR38	Med.Skt.	13858-6	\$Ⓢ	55PAR38/IRC/HAL/SP10	120	12	Spot 10°	C, CC-8	5/16	6000	10,700	880
			13859-4	\$Ⓢ	55PAR38/IRC/HAL/FL25	120	12	Flood 25°	C, CC-8	5/16	6000	3730	880
			13860-2	\$Ⓢ	55PAR38/IRC/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5/16	6000	1488	880
90	PAR38	Med.Skt.	13864-4	\$Ⓢ	90PAR38/IRC/HAL/SP10	120	12	Spot 10°	C, CC-8	5/16	6000	19,500	1650
			13865-1	\$Ⓢ	90PAR38/IRC/HAL/FL25	120	12	Flood 25°	C, CC-8	5/16	6000	7200	1650
			13866-9	\$Ⓢ	90PAR38/IRC/HAL/WFL40	120	12	Wide Flood 40°	C, CC-8	5/16	6000	2500	1650

### HALOGEN PAR38 LAMPS, MEDIUM SIDE PRONG BASE (82, 86)

60	PAR38	Med. Standard Reflector Side Prong	38887-6		60PAR38/HAL/3FL	120	12	Flood 25°	C, CC-8	4/16	3000	3000	770
90	PAR38	Med. Standard Reflector Side Prong	38890-0		90PAR38/HAL/3FL	130	12	Flood 25° Ratings @ 120V=79W	C, CC-8	4/16	2500 5000	4500 3600	1350 1020

### HALOGEN PAR38 LAMPS, COOL BEAM REFLECTOR

60	PAR38	Med.Skt. Standard Reflector	38884-3	\$Ⓢ	60PAR38/HAL/2FL	130	12	Flood 25° Ratings @ 120V=53W	C, CC-8	5/16	3000 6000	2500 2200	770 590
90	PAR38	Med.Skt. Standard Reflector	38886-8	\$Ⓢ	90PAR38/HAL/2FL	130	12	Flood 25° Ratings @ 120V=79W	C, CC-8	5/16	2500 5000	4500 3600	1350 1020

### HALOGEN MRC11 BLISTER-CARDED (92)

20	MRC11	GU4	20333-1		BC20MRC11/FL30 FTD	12	12	Blister Card, Flood 30°	C, CC-8	1/16	2000	500	230
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### HALOGEN MRC11 (FORMERLY BRILLIANTLINE PRO) (92)

20	MRC11	GU4	37821-6		20MRC11/SP10 PRO FTB	12	50	Spot 10°	C, CC-8	1/16	4000	4800	310
			37822-4		20MRC11/FL30 PRO FTD	12	50	Flood 30°	C, CC-8	1/16	4000	690	320
35	MRC11	GU4	15219-9		35MRC11/FL30 PRO FTH	12	50	Flood 30°	C, CC-8	1/16	4000	1500	550

### HALOGEN MRC11 LANDSCAPE (92)

10	MRC11	GU4	15675-2		10MRC11/FL30/LAND/TP	12	6	Flood 30°	C, CC-8	1/16	2000	550	230
20	MRC11	GU4	15676-0		20MRC11/FL30/LAND/TP	12	6	Flood 30°	C, CC-8	1/16	2000	500	230

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# HALOGEN LAMPS

## MRC16, MR16 Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
<b>HALOGEN MRC16 DISPLAY LAMPS BLISTER-CARDED (FORMERLY ACCENTLINE) DICHROIC REFLECTOR WITH LENS (92)</b>													
20	MRC16	GU5.3	15527-5		BC20MRC16/SP10	12	18	Spot 10°	C, C-8	1¼	3000	550	200
			20357-0		BC20MRC16/FL36 BAB	12	12	Blister Card, Flood 36°	C, C-8	1¼	3000	550	240
			15528-3		BC20MRC16/FL36	12	18	Blister Card, Flood 36°	C, C-8	1¼	3000	—	200
35	MRC16	GU5.3	20364-6		BC35MRC16/FL36 FMW	12	12	Blister Card, Flood 36°	C, C-8	1¼	3000	1000	540
50	MRC16	GU5.3	20366-1		BC50MRC16/SP10 EXT	12	12	Blister Card, Spot 10°	C, C-8	1¼	3000	8800	790
			15529-1		BC50MRC16/SP10	12	18	Blister Card, Spot 10°	C, C-8	1¼	3000	—	600
			20365-3		BC50MRC16/FL36 EXN	12	12	Blister Card, Flood 36°	C, C-8	1¼	3000	1600	850
			14111-9		BC50MRC16/FL	12	18	Blister Card, Flood 36°	C, C-8	1¼	2000	1200	400
			20575-7		BC50MRC16/NTL/FL	12	12	Blister Card, Flood 36°	C, C-8	1¼	3000	1000	—
<b>HALOGEN MRC16 DISPLAY LAMPS BLISTER-CARDED REFLECTOR WITH LENS (92)</b>													
20	MRC16	GU5.3	15527-5		BC20MRC16/SP10	12	18	Blister Card, Spot 10°	C, C-8	1¼	3000	550	200
			15528-3		BC20MRC16/FL36	12	18	Blister Card, Flood 36°	C, C-8	1¼	3000	—	200
50	MRC16	GU5.3	15529-1		BC50MRC16/SP10	12	18	Blister Card, Spot 10°	C, C-8	1¼	3000	—	600
<b>HALOGEN MRC16 LANDSCAPE LAMPS BLISTER-CARDED (FORMERLY ACCENTLINE) DICHROIC REFLECTOR WITH LENS (92)</b>													
20	MRC16	GU5.3	15677-8		BC20MRC16/FL36/LAND	12	6	Blister Card, Flood 36°	C, C-8	1¼	3000	—	240
35	MRC16	GU5.3	15678-6		BC35MRC16/FL36/LAND	12	6	Blister Card, Flood 36°	C, C-8	1¼	3000	—	400
50	MRC16	GU5.3	15679-4		BC50MRC16/FL36/LAND	12	6	Blister Card, Flood 36°	C, C-8	1¼	3000	—	600
<b>HALOGEN MR (FORMERLY ACCENTLINE) (91)</b>													
20	MR16	GU5.3	37802-6		20MR16/SP10 ESX	12	50	Spot 10°	C, C-8	1¼	3000	3400	240
			37803-4		20MR16/FL36 BAB	12	50	Flood 36°	C, C-8	1¼	3000	550	240
35	MR16	GU5.3	14055-8		35MR16/SP10	12	50	Spot 10°	C, C-8	1¼	3000	6000	510
			14056-6		35MR16/FL36	12	50	Flood 36°	C, C-8	1¼	3000	1000	540
50	MR16	GU5.3	37804-2		50MR16/SP10 EXT	12	50	Spot 10°	C, C-8	1¼	3000	8800	790
			37807-5		50MR16/NFL24 EXZ	12	50	Narrow Flood 24°	C, C-8	1¼	3000	2500	800
			37805-9		50MR16/FL36 EXN	12	50	Flood 36°	C, C-8	1¼	3000	1600	850
<b>HALOGEN MR LONG LIFE (FORMERLY BRILLIANTLINE PRO AND CONTINUUM COLOR) (91, 92)</b>													
20	MRC16	GU5.3	37814-1		20MRC16/SP10 ESX	12	50	Spot 10°	C, C-8	1¼	6000	5000	310
			37815-8		20MRC16/FL36 BAB	12	50	Flood 36°	C, C-8	1¼	6000	780	320
35	MRC16	GU5.3	14054-1		35MRC16/SP10	12	50	Spot 10°	C, C-8	1¼	6000	8000	680
			14052-5		35MRC16/NFL24	12	50	Narrow Flood 24°	C, C-8	1¼	6000	3100	690
			14053-3		35MRC16/FL36	12	50	Flood 36°	C, C-8	1¼	6000	1500	710
50	MRC16	GU5.3	37816-6		50MRC16/SP10 EXT	12	50	Spot 10°	C, C-8	1¼	6000	13,000	920
			14061-6		50MRC16/SP15	12	50	Spot 15°	C, C-8	1¼	6000	8000	920
			37817-4		50MRC16/NFL24 EXZ	12	50	Narrow Flood 24°	C, C-8	1¼	6000	4400	960
			37818-2		50MRC16/FL36 EXN	12	50	Flood 36°	C, C-8	1¼	6000	2200	970
75	MR16	GU5.3	37808-3		75MR16/SP10 EYF	12	50	Spot 10°	C, C-8	1¼	6000	14,000	1320
			37809-1		75MR16/FL36 EYC	12	50	Flood 36°	C, C-8	1¼	6000	2500	1410

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)  
Halogen symbols and footnotes located on page 116



# HALOGEN LAMPS

## MRC16, ALR, ALUline Pro III, Twistline GU10 Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
<b>HALOGEN MR ENERGY ADVANTAGE IR (FORMERLY MASTERLINE ES IRC) (92)</b>													
20	MRC16	GU5.3	20258-0	\$	20MRC16/IRC/ALU/SP8	12	20	Spot 8°	C, C-8	1½	5000	6000	320
			20259-8	\$	20MRC16/IRC/ALU/FL36	12	20	Flood 36°	C, C-8	1½	5000	925	325
30	MRC16	GU5.3	20260-6	\$	30MRC16/IRC/ALU/SP8	12	20	Spot 8°	C, C-8	1½	5000	10,000	560
			20261-4	\$	30MRC16/IRC/ALU/NFL24	12	20	Narrow Flood 24°	C, C-8	1½	5000	3000	570
			20262-2	\$	30MRC16/IRC/ALU/FL36	12	20	Flood 36°	C, C-8	1½	5000	1500	580
35	MRC16	GU5.3	21031-0	\$	35MRC16/IRC/SP8	12	20	Spot 8°	C, C-8	1½	5000	13,500	770
			20263-0	\$	35MRC16/IRC/ALU/SP8	12	20	Spot 8°	C, C-8	1½	5000	12,500	720
			21030-2	\$	35MRC16/IRC/NFL24	12	20	Narrow Flood 24°	C, C-8	1½	5000	4400	780
			20267-1	\$	35MRC16/IRC/ALU/NFL24	12	20	Narrow Flood 24°	C, C-8	1½	5000	4000	730
			20268-9	\$	35MRC16/IRC/ALU/FL36	12	20	Flood 36°	C, C-8	1½	5000	2000	740
45	MRC16	GU5.3	20269-7	\$	35MRC16/IRC/ALU/WFL60	12	20	Wide Flood 60°	C, C-8	1½	5000	975	750
			20271-3	\$	45MRC16/IRC/SP8	12	20	Spot 8°	C, C-8	1½	5000	14,000	1030
			20272-1	\$	45MRC16/IRC/NFL24	12	20	Narrow Flood 24°	C, C-8	1½	5000	5400	1040
			20273-9	\$	45MRC16/IRC/FL36	12	20	Flood 36°	C, C-8	1½	5000	2600	1050
20274-7	\$	45MRC16/IRC/WFL60	12	20	Wide Flood 60°	C, C-8	1½	5000	1250	1180			
<b>HALOGEN MR ALUMINUM (FORMERLY CONTINUUM PRO) (92)</b>													
50	MRC16	GU5.3	13981-6		50 MRC16/NFL24/A	12	50	Narrow Flood 24°	C, C-8	1½	5000	3300	940
			13982-4		50 MRC16/FL36/A	12	50	Flood 36°	C, C-8	1½	5000	2100	950
<b>CLOSED ALUMINUM REFLECTOR (ALR) LAMPS ALUMINUM REFLECTOR WITH LENS (92)</b>													
20	37mm	BA15d	32840-1		20ALR12/NSP6 GBD Clear	12	50	Clear, Narrow Spot 6°	C, C-8	1½	2000	7000	250
			34002-6		20ALR12/SP18 GBE Frost	12	50	Frost, Spot 18°	C, C-8	1½	2000	1500	250
			34003-4		20ALR12/FL32 GBF Frost	12	50	Frost, Flood 32°	C, C-8	1½	2000	750	250
50	56mm	B15d	32826-0		50ALR18/SP10 GBJ Clear	12	50	Clear, Spot 10°	C, C-8	2¼	2000	13,000	820
			34091-9		50ALR18/NFL25 GBK Frost	12	50	Frost, Narrow Flood 25°	C, C-8	2¼	2000	2500	820
<b>ALUline Pro III</b>													
50	ALU	G53	13396-6		ALU111MM 50W G53 12V 8D	12	6	Spot 8°	C, C-8	2¾	3000	23,000	950
			13397-4		ALU111MM 50W G53 12V 24D	12	6	Flood 24°	C, C-8	2¾	3000	4000	950
75	ALU	G53	13398-2		ALU111MM 75W G53 12V 8D	12	6	Spot 8°	C, C-8	2¾	3000	30,000	1575
<b>HALOGEN MRC16 GU7 BASE (92)</b>													
35	MRC16	GU7	14851-0		35MRC16/SP10/GU7	12	20	Spot 10°	C, C-8	2	4000	8000	500
<b>TWISTLINE GU10 BLISTER-CARDED (98)</b>													
25	Twistline	GU10	21129-2		BC25TWISTLINE GU10/FL25	120	6	Blister Card, Flood 25°	C, C-6	2	2000	345	160
35	Twistline	GU10	20335-6		BC35TWISTLINE GU10/FL25	120	6	Blister Card, Flood 25°	C, C-6	2	2000	480	265
50	Twistline	GU10	14112-7		BC50GU10/HAL/TL	120	6	Blister Card, Flood 25°	C, C-6	2	2000	700	430
			20331-5		BC50TWISTLINE GU10/FL25	120	6	Blister Card, Flood 25°	C, C-6	2	2000	700	430
			20576-5		BC50TWISTLINE GU10/NFL	120	6	Blister Card, Flood 25°	C, C-6	2	2000	1200	—

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Halogen symbols and footnotes located on page 116





# HALOGEN LAMPS

## Single-Ended Linear, Double-Ended Linear, Capsule Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
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### HALOGEN SINGLE-ENDED LINEAR LAMPS BLISTER-CARDED (95)

50	T4	Mini-Can	20347-1		BC50Q/CL	120	12	Blister Card	C, CC-8	2¼	1000	—	500
75	T4	Mini-Can	20359-6		BC75Q/CL	120	12	Blister Card	C, CC-8	3	1000	—	1050
100	T4	Mini-Can	20350-5		BC100Q/CL ESN	120	12	Blister Card	C, CC-8	2½	1000	—	1600
150	T4	Mini-Can	20354-7		BC150Q/CL ETG	120	12	Blister Card	C, CC-8	3	1000	—	2800

### HALOGEN SINGLE-ENDED LINEAR LAMPS (95)

100	T4	D.C. Bay	44278-0		100Q/CL/DC ESR	120	12	Clear	C, CC-8	2½	1000	—	1600
150	T4	Mini-Can	29856-2		150Q ETH	120	12	Frost	C, CC-8	3	1000	—	2700
			20049-3		150Q/CL	130	12	Clear	C, CC-8	3	1000	—	2800
	T4	D.C. Bay	26676-7		150Q/CL/DC ETC	120	12	Clear	C, CC-8	2½	1000	—	2800
250	T4	Mini-Can	14668-8		250Q/CL EHT	120	12	Clear	C, CC-8	3½	1000	—	5000
			14667-0		250Q/CL	130	12	Clear	C, CC-8	3½	1000	—	5000
	T4	D.C. Bay	14666-2		250Q/CL/DC ESS	120	12	Clear	C, CC-8	3	1000	—	5000
			14669-6		250Q/CL/DC	130	12	Clear	C, CC-8	3	1000	—	5000
500	T4	Mini-Can	38079-0		500Q/CL EVR	120	12	Clear	C, C-8	3½	2000	—	10,000
750	T5	Med. 2-Pin	26972-0		750Q/CL EHG	120	24	Clear	C, CC-8	4¼	2000	—	15,000

### HALOGEN DOUBLE-ENDED LINEAR LAMP BLISTER-CARDED (99)

100	T3	RSC	20352-1		BC100T3Q/CL	120	12	Blister Card	C, C-8	3½	2000	—	1400
150	T3	RSC	20353-9		BC150T3Q/CL	120	12	Blister Card	C, C-8	3½	2000	—	2400
			20343-0		BC150T3Q/CL LONG	120	12	Blister Card	C, C-8	4½	1500	—	2400
250	T3	RSC	20360-4		BC250T3Q/CL	120	12	Blister Card	C, C-8	3½	1500	—	4000
300	T3	RSC	20355-4		BC300T3Q/CL	120	12	Blister Card	C, C-8	4½	2000	—	5200
			20336-4		BC300T3Q/CL/TP	120	12	Blister Card	C, C-8	4½	2000	—	5200
500	T3	RSC	20356-2		BC500T3Q/CL	120	12	Blister Card	C, C-8	4½	2000	—	9500
			20341-4		BC500T3Q/CL/TP	120	12	Blister Card	C, C-8	4½	2000	—	9500

### HALOGEN DOUBLE-ENDED LINEAR LAMP (99)

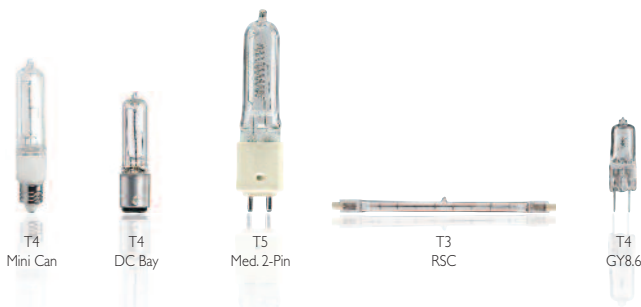
300	T3	RSC	39282-9		300T3Q/CL EHM	120	12	Clear	C, C-8	4½	2000	—	5200
500	T3	RSC	13223-3		500T3Q/CL	125–130	12	Clear	C, C-8	4½	2000	—	9200
			20010-5		500T3Q/CL FCL	120	12	Clear	C, C-8	4½	2000	—	9500
1000	T3	RSC	15040-9		1000T3Q/CL	240	12	Clear	C, C-8	10½	2000	—	21,500
1500	T3	RSC	15039-1		1500T3Q/CL	277	12	Clear	C, C-8	10½	2000	—	33,000
			13226-6		1500T3Q/CL	240	12	Clear	C, C-8	10½	2000	—	32,250

### HALOGEN MAINS-VOLTAGE CAPSULE LAMP BLISTER-CARDED (95)

35	T4	GY8.6	20345-5		BC35W/T4/120V/CAPSULE	120	12	Blister Card	C, CC2V	1½	2500	—	400
50	T4	GY8.6	20348-9		BC50W/T4/120V/CAPSULE	120	12	Blister Card	C, C-8	2¼	2500	—	600
75	T4	GY8.6	20349-7		BC75W/T4/120V/CAPSULE	120	12	Blister Card	C, C-8	2¼	2000	—	1200
100	T4	GY8.6	20346-3		BC100W/T4/120V/CAPSULE	120	12	Blister Card	C, C-8	2¼	2500	—	1650

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)

Halogen symbols and footnotes located on page 116



# HALOGEN LAMPS

## Low-Voltage Capsule Lamps

Watts	Bulb	Base	Product Number	Symbols, Footnotes	Ordering Code	Volts	Pkg. Qty.‡	Description	Class, Filament	MOL (In.)	Rated Avg. Life (Hrs.)(93)	Approx. MBCP*	Lumens
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### HALOGEN LOW-VOLTAGE CAPSULE LAMP BLISTER-CARDED (95)

10	T3	G4	20361-2		BC10W/T3/12V	12	12	Blister Card	C, C-8	1¼	2000	—	100
20	T3	G4	20329-9		BC20W/T3/12V	12	12	Blister Card	C, C-8	1¼	2000	—	250
35	T4	GY6.35	20324-9		BC35W/T4/12V	12	12	Blister Card	C, C-8	1¼	2000	—	465
50	T4	GY6.35	20330-7		BC50W/T4/12V	12	12	Blister Card	C, C-8	1¼	2000	—	700
75	T4	GY6.35	20342-2		BC75W/T4/12V	12	12	Blister Card	C, C-8	1¼	2000	—	1100

### HALOGEN LOW-VOLTAGE LANDSCAPE CAPSULE LAMP BLISTER-CARDED (95)

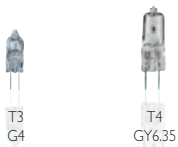
10	T3	G4	20361-2		BC10W/T3/LAND/TP	12	12	Blister Card	C, C-8	1¼	2000	—	100
20	T3	G4	15681-0		BC20W/T3/LAND/TP	12	12	Blister Card	C, C-8	1¼	2000	—	250
50	T4	GY6.35	15682-8		BC50W/T4/12V	12	12	Blister Card	C, C-8	1¼	2000	—	465

### HALOGEN LOW-VOLTAGE CAPSULE LAMP

All Lamps Contain UV Block and are Low Pressure (95)

10	T3	G4	23262-9		10W/T3/12V	12	100	Capsule Type 13284	C, C-8	1¼	2000	—	140
20	T3	G4	23264-5		20W/T3/12V	12	100	Capsule Type 13078	C, C-8	1¼	2000	—	320
35	T4	GY6.35	29553-5		35W/T4/12V	12	100	Capsule Type 13103	C, C-8	1¼	2000	—	600
50	T4	GY6.35	23265-2		50W/T4/12V	12	100	Capsule Type 13079	C, C-8	1¼	2000	—	800

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)  
Halogen symbols and footnotes located on page 116

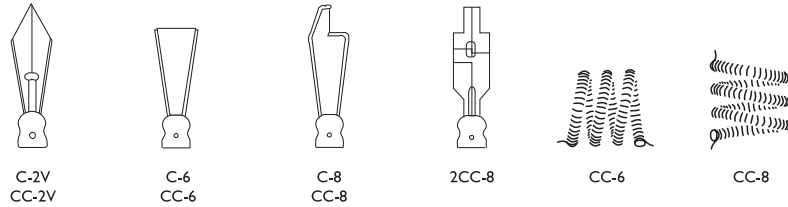


# HALOGEN LAMPS

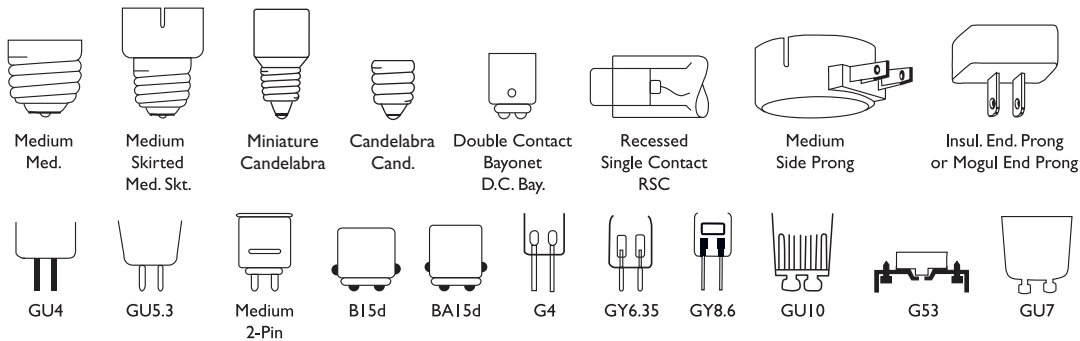
## Filament Designations, Base Types and Bulb Shapes

### FILAMENT DESIGNATIONS (NOT ACTUAL SIZES)

Filament Designations consist of a letter or letters to indicate how the wire is coiled and an arbitrary number sometimes followed by a letter to indicate the arrangement of the filament on the supports. Prefix letters include 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.



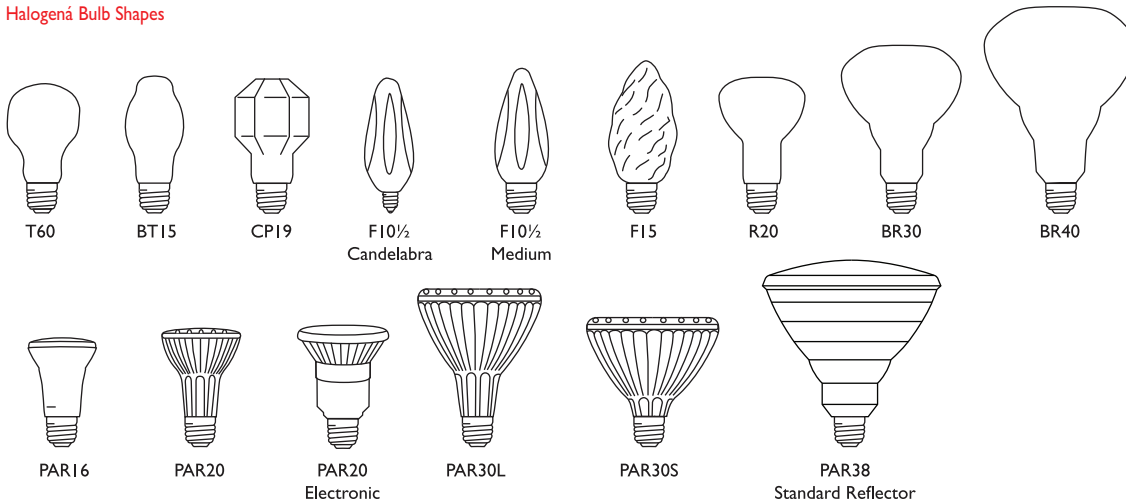
### BASE TYPES (NOT ACTUAL SIZES)



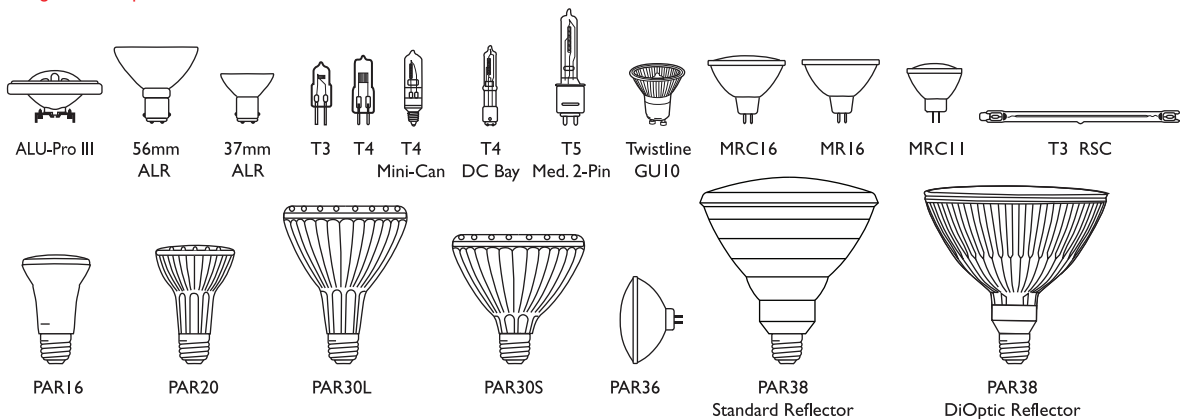
### BULB SHAPES (NOT ACTUAL SIZES)

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, "T10" 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.

#### Halogen Bulb Shapes



#### Halogen Bulb Shapes



# HALOGEN LAMPS

For the most current product information, go to the e-catalog on [www.philips.com](http://www.philips.com)

□ Exclusive to Philips Lighting Company

💰 Energy Saving Product

◆ Maximum Beam Candlepower

© This Bulb Meets US Federal Minimum Efficiency Standards

† New since last printing

\* Two Lamp Carded Pack

‡ Quantity shown is minimum shipping container—refer to Net Price Schedule for number of lamps to qualify as a standard case

**(82) CAUTION:** To avoid deterioration of lampholder by heat, use only heat resistant lampholders or fixtures listed by a nationally recognized electrical testing organization for use with reflector or PAR lamps.

**(86) PAR Halogen Caution Notice:** Before using bulb, see operating instructions on inside flap. Adherence to the operating instructions will reduce the risk of personal injury or fire. The filament capsule contained inside this glass bulb is pressurized, operates at high temperature and could unexpectedly shatter. Should the outer bulb break, particles of extremely hot glass could be discharged into the fixture and/or the surrounding environment, thereby creating a risk of personal injury or fire.

**Operating Instructions:** Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

— For indoor or outdoor use. A weather-protected fixture is recommended for wet locations.

— Suitable for use in open fixtures.

— Do not exceed the maximum wattage rating of the fixture.

— Do not use if outer glass is scratched or broken since it may break during operation or removal.

— If outer glass breaks the lamp may continue to light, however, immediately discontinue use.

— Due to the heat that radiates from the bulb, do not use in close proximity to combustible materials or objects susceptible to drying or fading.

— Manage in accord with disposal laws.

**(91) CAUTION:** Do not touch inner capsule with bare hands. Fingerprints may result in shorter life. Remove fingerprints with alcohol. **THIS LAMP IS PRESSURIZED AND COULD SHATTER** so to avoid injury and to avoid exposure to

ultraviolet radiation, use only in fixtures that provide a protective shield of tempered glass. Provide adequate ventilation to ensure that seal temperature does not exceed 350°C and use only in fixtures rated for the wattage stated on this package. To avoid risks of burns or other injury, turn power off and allow lamp to fully cool before attempting to replace. Socket condition may affect lamp life. Inspect and replace socket if deterioration has occurred.

**(92) CAUTION: THIS LAMP IS PRESSURIZED AND COULD SHATTER** so to avoid injury and to avoid exposure to ultraviolet radiation, this lamp should be used in a fixture that provides a protective shield of tempered glass. Provide adequate ventilation to ensure that seal temperature does not exceed 350°C and use only in fixtures rated for the wattage stated on this package. To avoid risks of burns or other injury, turn power off and allow lamp to fully cool before attempting to replace. Socket condition may affect lamp life. Inspect and replace socket if deterioration has occurred.

**(93)** Rated average life is the length of operation (in hours) at which point an average of 50% of the lamps will still be operational and 50% will not.

**(95) NOTICE:** Do not touch bulb with bare hands. Fingerprints may result in shorter life. Remove fingerprints with alcohol.

**CAUTION: THIS LAMP IS PRESSURIZED AND COULD SHATTER** so to avoid injury and to avoid exposure to ultraviolet radiation, use only in fixtures that provide a protective shield of tempered glass. Provide adequate ventilation to ensure that seal temperature does not exceed 350°C and use only in fixtures rated for the wattage stated on this package. To avoid risks of burns or other injury, turn power off and allow lamp to fully cool before attempting to replace. Socket condition may affect lamp life. Inspect and replace socket if deterioration has occurred.

**(96) Operating Instructions:** Do not use lamp in close proximity to combustible materials. If used outdoors, use in an enclosed fixture only. If used indoors, no additional shield is required. Can be operated in all positions.

**CAUTION:** Read operating instructions before use. If outer glass breaks, turn power off immediately and avoid touching any metal components. To avoid potential burn and electrical shock during lamp replacement, always turn power off and let lamp cool before replacing bulb.

**(97) Operating Instructions:** Before replacing, turn off power and let lamp cool to avoid electrical shock or burn. For indoor use only. Do not allow hot bulb to come in contact with liquid or metal parts of the fixture as glass may shatter. Do not exceed the maximum wattage rating of the fixture. Do not use if outer glass is scratched or broken since it may break during operation or removal. If outer glass breaks the lamp may continue to light, however, immediately discontinue use. Due to the heat that radiates from the bulb, do not use in close proximity to combustible materials or objects susceptible to drying or fading. Manage in accord with disposal laws.

**CAUTION:** Adherence to the operating instructions will reduce the risk of personal injury or fire. The filament capsule contained inside this glass bulb is pressurized, operates at high temperature and could unexpectedly shatter. Should the outer bulb break, particles of extremely hot glass could be discharged into the fixture and/or the surrounding environment, thereby creating a risk of personal injury or fire.

**(98) NOTICE:** This twistline has a GU10 base and may be used in fixtures that have either GU10 or GZ10 sockets.

**Operating Instructions:** Do not use in close proximity to combustible materials or objects adversely affected by drying or fading. Can be operated in all positions.

**CAUTION: THIS LAMP IS PRESSURIZED AND COULD SHATTER** so to avoid injury and to avoid exposure to

ultraviolet radiation, this lamp should be used in a fixture that provides a protective shield of tempered glass. If outer glass breaks, immediately discontinue use. Always turn power off and let lamp cool before removal to avoid potential burn or electric shock.

**(99) WARNING: BULB OPERATES AT VERY HIGH TEMPERATURES AND MUST BE USED PROPERLY TO AVOID/REDUCE RISK OF FIRE.** Do not use bulbs greater than 300 watts in indoor residential fixtures. Use only in fixtures specifying this bulb type and that meet revised UL 153 standard for tungsten-halogen torchiere lamps. Bulb is pressurized and could shatter and should only be used in fixtures that provide a protective shield of tempered glass. To avoid exposure to ultraviolet radiation which could cause skin and eye irritation use only in fixtures that provide a protective shield of tempered glass.

**NOTICE:** Do not touch bulb with bare hands. Fingerprints may result in reduced performance unless they are removed with alcohol. When operating, bulb is hot. To avoid risks of burns or injury, turn power off and allow bulb to cool before replacing. Socket conditions may affect bulb life. Inspect and replace socket if deterioration has occurred. Provide adequate ventilation to ensure that seal temperature does not exceed 350°C. **TO AVOID/REDUCE RISK OF FIRE, DO NOT USE NEAR COMBUSTIBLE MATERIALS.**

**(101)** Available for sale only in the state of CA

**(102)** Complies with CEC-140-2008-001, Part 1 605.2 State Standards for Federally Regulated Appliances, Table K-3. For more information go to [www.energy.ca.gov/siting/title20/](http://www.energy.ca.gov/siting/title20/).

**(103)** Complies with the Energy Independence and Security Act of 2007 (Public Law 110-140), Section 321—Efficient Light Bulbs.

**(104)** Complies with the Energy Independence and Security Act of 2007 (Public Law 110-140), Section 322—Incandescent Reflector Lamp Efficiency Standards.