



Watts	Bulb	Base	Product Number 046677-	Ordering Code	Volts	Pkg. Qty. ●	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate		Lumens
											Hours Life	MBCP*	

Street Lighting Lamps (Multiple)(43)

189	PS-25	Med.	24995-3	189PS25/64	120	60	Clear	C, C-9	5¼	6 ¹ / ₁₆	3000		2900
			39423-9	189PS25/64	125	60	Clear	C, C-9	5¼	6 ¹ / ₁₆	3000		2900
			39636-6	189PS25/64	130	60	Clear	C, C-9	5¼	6 ¹ / ₁₆	3000		2900
202	PS-25	Med.	20528-6	202PS25	125	60	Clear	C, C-9	5¼	6 ¹ / ₁₆	6000		2800
205	PS-25	Med.	33735-2	K205PS25	120	60	Clear (Krypton)	C, C-9	5¼	6 ¹ / ₁₆	2000		2750

Street Lighting Lamps (Series)

Rated Init. (67) Lumens	Amps.	Bulb	Base	Product Number 046677-	Ordering Code	Initial Volts	Pkg. Qty. ●	Description — Operating Position(43)	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate		Lumens
												Hours Life	MBCP*	
2500	6.6	PS-35	Mog.	25065-4	2500/66R	22.8	24	Clear	C, C-2V	7	9 ⁹ / ₁₆	3000		
				36785-4	2500/66G	24.0	24	Clear	C, C-2V	7	9 ⁹ / ₁₆	6000		
4000	6.6	PS-35	Mog.	25069-6	4M/66R	34.0	24	Clear	C, C-2V	7	9 ⁹ / ₁₆	3000		
6000	6.6	PS-40	Mog.	20540-1	6M/66G	52.7	24	Clear	C, C-2V	7	9 ⁹ / ₁₆	6000		

Lamps Listed by Amps. or Lumens

Amps or Lumens	Bulb	Base	Product Number 046677-	Ordering Code	Volts	Pkg. Qty. ●	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate		Lumens
											Hours Life	MBCP*	
6.6A	T-10	Med. Pf.	24300-6	6.6A/T10/1P	30W	60	Airpt. Marker(8) (MS25012-1)	C, C-2V	1½	3 ¹ / ₁₆	1000		435
			24319-6	6.6A/T10P	45W	60	Airpt. Marker(8) (MS25012-2)	C, C-2V	1½	3 ¹ / ₁₆	1000		700
	T-14	Med. Pf.	24402-0	6.6A/T14P	200W	24	Airpt. Marker(8) (MS25013-1)	C, C-13	2¾	5¾	75		4900
			24404-6	6.6A/T14/2P	204W	24	Aviation, Runway Marker (MS25013-2)	C, C-13	2¾	5¾	500		4200
1950L	P-25	Med.	20494-1	1950L/P25/TS	120	60	Traffic Signal(12)	C, C-9	3	4¾	8000		
			26482-0	1950L/P25/TS	130	60	Traffic Signal(12)	C, C-9	3	4¾	8000		

Special Lighting

Night Light Plug-in	25139-7	BC-PNL 4C7	12/1	120	12	Plug-in Night Light w/Clear 4C7				3¾	3000		
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Accent Lighting and Colortone®

	Bulb	Base	Product Number 046677-	Ordering Code	Volts	Pkg. Qty. ●	Description	Class and Filament	L.C.L. (In.)	M.O.L. (In.)	Approximate	
											Hours Life	MBCP*
Clear	T-7	Wedge	22952-6	BC7T5CL	12	12/2	Landscape	B, C2R	¹³ / ₁₆	1.5	2000	4.8
Red	T-7	Wedge	21405-6	BC7T5R	12	30/2	Landscape	B, C2R	¹³ / ₁₆	1.5	2000	4.8
Blue	T-7	Wedge	21317-3	BC7T5B	12	30/2	Landscape	B, C2R	¹³ / ₁₆	1.5	2000	4.8
Green	T-7	Wedge	21318-1	BC7T5G	12	30/2	Landscape	B, C2R	¹³ / ₁₆	1.5	2000	4.8
Yellow	T-7	Wedge	21321-5	BC7T5Y	12	30/2	Landscape	B, C2R	¹³ / ₁₆	1.5	2000	4.8

*Maximum Beam Candlepower

Footnotes located on page 47

Halogen Lamps

◆ 130 Volt Halogen PAR Lamps performance when operated at 120 volt.
Life of Halogen lamps at reduced voltages do not always follow calculated values.

Values reflect these 130 volt lamps operating at 120 volt.

Bulb	Base	Product Number 046677-	Ordering Code	Pkg. Qty.	Description	Class and Filament	M.O.L. (In.)	Watts	Approximate Hours Life	Lumens	
MasterLine™ IRC Halogen PAR-38 Lamps											
PAR-38	Med. Skt.	Ⓔ † \$\$\$	35956-2	60PAR38/IRC/SP10	12	Spot 10 Deg.	C, CC-8	5 $\frac{1}{16}$	55	6000	890
		Ⓔ † \$\$\$	36055-2	60PAR38/IRC/WSP12	12	W. Spot 12 Deg.	C, CC-8	5 $\frac{1}{16}$	55	6000	890
		Ⓔ † \$\$\$	35957-0	60PAR38/IRC/FL25	12	Flood 25 Deg.	C, CC-8	5 $\frac{1}{16}$	55	6000	890
		Ⓔ † \$\$\$	35958-8	60PAR38/IRC/WFL60	12	W. Flood 60 Deg.	C, CC-8	5 $\frac{1}{16}$	55	6000	890
		Ⓔ † \$\$\$	35969-5	100PAR38/IRC/SP10	12	Spot 10 Deg.	C, CC-8	5 $\frac{1}{16}$	90	6000	1680
		Ⓔ † \$\$\$	35972-9	100PAR38/IRC/FL25	12	Flood 25 Deg.	C, CC-8	5 $\frac{1}{16}$	90	6000	1680
		Ⓔ † \$\$\$	35973-7	100PAR38/IRC/WFL60	12	W. Flood 60 Deg.	C, CC-8	5 $\frac{1}{16}$	90	6000	1680

MasterLine PAR-38 Halogen Lamps (82, 86)

PAR-38	Med. Skt.	Ⓔ \$\$\$	22947-6	45PAR38/HAL/SP12/LL	12	Spot 12 Deg.	C, CC-8	5 $\frac{1}{16}$	40	5000	410
		Ⓔ \$\$\$	22949-2	45PAR38/HAL/FL28/LL	12	Flood 28 Deg.	C, CC-8	5 $\frac{1}{16}$	40	5000	410
		Ⓔ \$\$\$	26595-9	45PAR38/HAL/SP12	12	Spot 12 Deg.	C, CC-8	5 $\frac{1}{16}$	40	4000	410
		Ⓔ \$\$\$	26597-5	45PAR38/HAL/FL28	12	Flood 28 Deg.	C, CC-8	5 $\frac{1}{16}$	40	4000	410
		Ⓔ □ \$\$\$	23309-8	60PAR38/HAL/SP10/WLL	12	Spot 10 Deg.	C, CC-8	5 $\frac{1}{16}$	53	6000	670
		Ⓔ □ \$\$\$	23330-4	60PAR38/HAL/WSP12/WLL	12	W. Spot 12 Deg.	C, CC-8	5 $\frac{1}{16}$	53	6000	670
		Ⓔ □ \$\$\$	23356-9	60PAR38/HAL/FL28/WLL	12	Flood 28 Deg.	C, CC-8	5 $\frac{1}{16}$	53	6000	670
PAR-38	Med.	Ⓔ \$\$\$	28471-1	60PAR38/HAL/WFL60	12	W. Flood 60 Deg.	C, CC-8	5 $\frac{1}{16}$	53	6000	670
		Ⓔ \$\$\$	28783-9	75PAR38/HAL/SP10/WLL	12	Spot 10 Deg.	C, CC-8	5 $\frac{1}{16}$	66	5000	800
		Ⓔ \$\$\$	28785-4	75PAR38/HAL/FL28/WLL	12	Flood 28 Deg.	C, CC-8	5 $\frac{1}{16}$	66	5000	800
		Ⓔ \$\$\$	23650-5	90PAR38/HAL/SP12/LL	12	Spot 12 Deg.	C, CC-8	5 $\frac{1}{16}$	79	5000	980
		Ⓔ \$\$\$	23651-3	90PAR38/HAL/FL28/LL	12	Flood 28 Deg.	C, CC-8	5 $\frac{1}{16}$	79	5000	980
		Ⓔ \$\$\$	26599-1	90PAR38/HAL/SP12	12	Spot 12 Deg.	C, CC-8	5 $\frac{1}{16}$	79	4000	980
		Ⓔ \$\$\$	26600-7	90PAR38/HAL/FL28	12	Flood 28 Deg.	C, CC-8	5 $\frac{1}{16}$	79	4000	980
Ⓔ \$\$\$	28392-9	90PAR38/HAL/WFL60	12	W. Flood 60 Deg.	C, CC-8	5 $\frac{1}{16}$	79	5000	980		

□ Exclusive Philips Product \$\$\$ — Energy Saving Product † New Since Last Printing Ⓔ Means This Bulb Meets US Federal Minimum Efficiency Standard

Footnotes — Incandescent/Halogen

- Quantity shown is minimum shipping container — refer to Net Price Schedule for number of lamps to qualify as a standard case.
- * Two Lamp Carded Pack.
- ▲ Aluminum base.
- Nickel plated brass base.
- ★ Heat resisting glass bulb.
- (2) Although the lamp is of the highest quality in material and workmanship, it has been designed to meet certain purchase requirements which preclude a guarantee of performance.
- (3) Indefinite-long life.
- (4) Average laboratory life is 200 hours for vacuum cleaner and 600 hours for sewing machine service. Design life 1000 hours.
- (7) Average overall length.
- (8) Operate base down.
- (9) This lamp should be shielded from moisture to prevent breakage.
- (10) Operating position — horizontal.
- (11) Design volts 115.
- (12) Operate base down to horizontal.
- (13) Not recommended for horizontal burning.
- (14) Operate base up.
- (15) Operate base down. Filaments operated separately.
- (16) Flexible connector not included in maximum overall length.
- (17) Designed for use only in special equipment.
- (18) Base is medium left hand thread.
- (19) May not give satisfactory performance if any accessory equipment is attached to or touches the glass bulb.
- (21) Nominal watts. Actual watts are determined by multiplying the volts by the amperes.
- (22) Unsatisfactory lamp operation is likely to occur in operating positions between horizontal and base up, particularly between 45° from base up, and base up.
- (23) May be operated in any position.
- (25) Base pins approximately parallel to plane of filament.
- (26) Use only on circuits supplying the voltage as marked on the lamp. DO NOT use in household sockets.
- (27) Average laboratory life in excess of 5000 hours. In-service life depends upon service conditions.
- (29) Suitable for indoor and outdoor service.
- (31) Operate only in porcelain sockets.
- (32) For use only with heat resistant connector and with lamp supported by bulb rim or metal shell of base.
- (33) Operating position — plane through lamp axis and base terminals horizontal.
- (34) Operate base up to horizontal.
- (37) Should not be used in equipment where the base temperature will exceed 500°F.
- (40) Ceramic sleeve with approx. 6" flexible leads.
- (41) Avoid use at short distances on materials that are inflammable or susceptible to heat damage.
- (42) Use outdoors only in enclosed fixtures or where protected from exposure to water. Use only in fixtures listed by a nationally recognized electrical testing organization.
- (43) Unless otherwise noted, may be operated in any position, but lumen maintenance is best when operated vertically base up.
- (46) Stippled, rounded cover.
- (47) Leads parallel to lamp axis. OAL does not include leads.
- (49) Should not be used in equipment where the seal temperature exceeds 750°F.
- (50) For use on 50-60 cycle A.C. circuits.
- (51) Light output is maintained best when operated within 45° of vertically base up.
- (52) For use only in a fixture with a well-ventilated back.
- (53) The bulb, though made of heat resistant glass, may break if moisture falls on it. Not recommended for use in enclosed, close-fitting housings.
- (54) Operate within 25° of vertically base up. Collector grid.
- (55) For use only with heat resistant connector and with lamp supported by bulb rim.
- (56) Recommended operating position any within 60° of vertically base up or base down but lumen maintenance is best when operated vertically base up.
- (57) When operated in a position other than horizontal, lamp end marked "This end up" should be higher than the other end.
- (59) Life dependent upon service conditions.
- (60) Design volts 480.
- (61) Design volts 570.
- (62) Design volts 600.
- (63) Design volts 145.
- (64) For use only in equipment specially designed to maintain bulb and base temperature within safe limits.
- (65) AA tolerance $\frac{1}{16}$ ", L.C.L. tolerance $\frac{3}{16}$ ".
- (66) Silicone Coating reduces lumen output from Standard Values less than 3%.
- (67) Nominal lumens.
- (68) Length value refers to light center length for this lamp.
- (71) Operating Position — Prongs up or down.
- (72) Light Center Length & Axial Alignment tolerance $\frac{1}{16}$ ".
- (73) Both filaments in multiple.
- (74) Single contact medium bayonet base without pins having 2 or 3-pin focusing sleeve as indicated.
- (75) 2 $\frac{1}{2}$ " diameter unsilvered spot on end of bulb.
- (76) Design Volts — 230.
- (77) Collector grid.
- (78) Intermittent operation.
- (81) L.C.L. & Axial Alignment tolerance $\frac{1}{16}$ ".
- (82) 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.
- (83) Base does not have ceramic insulator.
- (84) Operate 45° base down to horizontal.
- (85) Do not touch bulb with bare hands. Fingerprints may result in reduced performance unless they are removed with alcohol. Socket condition may affect lamp life. Inspect and replace socket if deterioration has occurred.
- (86) See PAR Halogen Caution Notice stated on bottom of page 42.
- (87) Do not allow hot bulb to come in contact with liquid or metal parts of the fixture, as glass may shatter. Do not use outdoors. Do not operate in close proximity to flammable materials of those adversely affected by heat or drying. Operate only in heat resistant sockets.
- (88) WARNING: Use carefully. May cause serious burns. Do not use over insensitive skin areas or in the presence of poor circulation. The unattended use of infrared heat by children or incapacitated persons may be dangerous.
 - Lamp should not be placed closer than 18" to the surface being irradiated.
 - Do not use for therapeutic or topical applications unless recommended by a physician.
 - For food warming, use only lamps with heat resisting glass.
- (89) CAUTION: Do not operate in close proximity to flammable materials or those adversely affected by heat or drying. Operate only in heat resistant sockets.
 - WARNING: Use carefully. May cause serious burns. Do not use over insensitive skin areas or in the presence of poor circulation. The unattended use of infrared heat by children or incapacitated persons may be dangerous.
 - Lamp should not be placed closer than 18" to the surface being irradiated.
 - Do not use for therapeutic or topical applications unless recommended by a physician.
 - For food warming, use only lamps with heat resisting glass.
- (90) Since there is considerable heat radiation in the beam of this lamp, care should be taken against using it without suitable protection, in close proximity to combustible materials or those adversely affected by drying action.