

Ceramalux® High Pressure Sodium Lamps

- ▶ Low total cost of ownership
- ▶ Long life—up to 24,000 hours
- ▶ High efficacy up to 140 LPW
- ▶ ALTO® Lamp Technology passes EPA's TCLP test for non-hazardous waste



Electrical, Technical and Ordering Data (Subject to change without notice)

Product Number	Ordering Code	Nom. Watts	Bulb	Base	ANSI Code/ Ballast Ref.	Std. Pkg. Qty.	Description	LCL (In.)	MOL (In.)	Rated Avg. Life Hrs.¹	Approx. Initial Lumens²	Approx. Mean Lumens³	CRI	CCT (K)
30632-4	C35S76/M	35	BD-17	Med.	S76	12	G (4, 6, 9, 12)	3 3/8	5 3/8	24,000+	2250	2025	21	2100
30633-2	C35S76/D/M	35	BD-17	Med.	S76	12	G (4, 6, 9, 12)	—	5 3/8	24,000+	2150	1935	21	2100
30336-2	C50S68/M	50	BD-17	Med.	S68	12	G (4, 6, 9, 12)	3 3/8	5 3/8	24,000+	4000	3600	21	2100
30337-0	C50S68/D/M	50	BD-17	Med.	S68	12	G (4, 6, 9, 12)	—	5 3/8	24,000+	3800	3420	21	2100
● 36867-0	C50S68/ALTO	50	ED-23 1/2	Mog.	S68	12	G, S (4, 6, 9, 12)	5	7 3/4	24,000+	4000	3600	21	2100
● 33154-6	C50S68/D/ALTO	50	ED-23 1/2	Mog.	S68	12	G, S (4, 6, 9, 12)	—	7 3/4	24,000+	3800	3420	21	2100
33192-6	C70S62/M	70	BD-17	Med.	S62	12	G (4, 6, 9, 12)	3 3/8	5 3/8	24,000+	6300	5850	21	2100
33214-8	C70S62/D/M	70	BD-17	Med.	S62	12	G (4, 6, 9, 12)	—	5 3/8	24,000+	5860	5270	21	2100
● 36869-6	C70S62/ALTO	70	ED-23 1/2	Mog.	S62	12	G, S (4, 6, 9, 12)	5	7 3/4	24,000+	6500	5670	21	2100
30620-9	C70S62/RFL	70	PAR-38	Med.	S62	12	G, VV, 50 (4, 6, 12, 13)	—	5 3/8	16,000	5000	3960	21	2100
34446-5	C100S54/M	100	BD-17	Med.	S54S	12	G (4, 6, 9, 12)	3 3/8	5 3/8	24,000+	9500	8550	21	2100
34448-1	C100S54/D/M	100	BD-17	Med.	S54S	12	G (4, 6, 9, 12)	—	5 3/8	24,000+	8800	7920	21	2100
● 36872-0	C100S54/ALTO	100	ED-23 1/2	Mog.	S54	12	G, S (4, 6, 9, 12)	5	7 3/4	24,000+	9400	8460	21	2100
● 33227-0	C100S54/D/ALTO	100	ED-23 1/2	Mog.	S54	12	G, S (4, 6, 9, 12)	—	7 3/4	24,000+	8610	7750	21	2100
30347-9	C150S55/M	150	BD-17	Med.	S55	12	G (4, 6, 9, 12)	3 3/8	5 3/8	24,000+	16,000	14,400	21	2100
30348-7	C150S55/D/M	150	BD-17	Med.	S55	12	G (4, 6, 9, 12)	—	5 3/8	24,000+	15,000	13,500	21	2100
● 36874-6	C150S55/ALTO	150	ED-23 1/2	Mog.	S55	12	G, S (4, 6, 7, 9, 12)	5	7 3/4	24,000+	15,800	14,220	21	2100
● 36876-1	C150S56/ALTO	150	ED-28	Mog.	S56	12	G, S (4, 6, 7, 9, 12)	5	8 3/8	24,000+	15,000	13,950	21	2100
● 36877-9	C200S66/ALTO	200	ED-18	Mog.	S66MN-200	12	G, S (4, 6, 9, 12)	5 3/8	9 3/8	24,000+	21,400	19,260	21	2100
32291-7	C225S50/EW	225	ED-18	Mog.	S50	12	EW, G, S (4, 6, 9, 12, 14)	5 3/8	9 3/8	24,000+	27,300	24,620	21	2100
● 36879-5	C250S50/ALTO	250	ED-18	Mog.	S50	12	G, S (4, 6, 9, 12)	5 3/8	9 3/8	24,000+	27,000	24,300	21	2100
13469-2	C310S67	310	ED-18	Mog.	S67	12	G (4, 6, 9)	5 3/8	9 3/8	24,000+	38,000	34,200	21	2100
32292-5	C360S51/EW	360	ED-18	Mog.	S51	12	EW, G, S (4, 6, 9, 12, 14)	5 3/8	9 3/8	24,000+	46,000	41,450	21	2100
● 36881-1	C400S51/ALTO	400	ED-18	Mog.	S51	12	G, S (4, 6, 9, 12)	5 3/8	9 3/8	24,000+	50,000	45,000	21	2100
31710-7	SON AGRO/430W	430	ED-18	Mog.	S145/S51	12	AGRO (4, 6, 10, 11, 12)	5 3/8	9 3/8	16,000	54,000	48,600	21	2100
23982-2	C600S106	600	T-14	Mog.	S106	12	G (4, 6, 9, 12, 14)	6 3/8	11 3/8	24,000+	90,000	81,000	21	2100
32386-5	C1000S52/ED37	1000	ED-37	Mog.	S52	6	G, S (4, 6, 9, 12, 14)	7	11 1/2	24,000+	125,000	112,000	21	2100
● 36883-7	C1000S52/ALTO	1000	E-25	Mog.	S52XB-1000	6	G, S (4, 5, 6, 8, 9, 12)	8 3/8	15 1/8	24,000+	131,000	117,900	21	2100

Ceramalux® Comfort High Pressure Sodium Lamps

- ▶ Improved color rendition of 65 CRI
- ▶ High efficacy
- ▶ Warm white color appearance
- ▶ Operates on standard HPS ballasts



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30617-5	C70S62/C/M	70	BD-17	Med.	S62	12	G (4, 6, 9, 12)	3 3/8	5 3/8	15,000	4400	3960	60	2200
30635-7	C100S54/C/M	100	BD-17	Med.	S54	12	G (4, 6, 9, 12)	3 3/8	5 3/8	15,000	7800	7020	60	2200
30637-3	C100S54/C	100	ED-23 1/2	Mog.	S54	12	G (4, 6, 9, 12)	5	7 3/4	15,000	7900	7110	60	2200
30647-2	C150S55/C/M	150	BD-17	Med.	S55	12	G (4, 6, 9, 12)	3 3/8	5 3/8	15,000	12,000	10,800	60	2200
30643-1	C150S55/C	150	ED-23 1/2	Mog.	S55	12	G (4, 6, 9, 12)	5	7 3/4	15,000	12,000	10,800	60	2200
30245-5	C250S50/C	250	ED-18	Mog.	S50	12	G (4, 6, 9, 12)	5 3/8	9 3/8	15,000	23,000	20,700	65	2200
30652-2	C400S51/C	400	ED-18	Mog.	S51	12	G (4, 6, 9, 12)	5 3/8	9 3/8	15,000	37,500	33,750	65	2200

WARNINGS, CAUTIONS AND OPERATING INSTRUCTIONS for Ceramalux® High Pressure Sodium Lamps

Warnings, Cautions and Operating Instructions

WARNING: These lamps must be operated in fixtures designed for use with High Pressure Sodium lamps. The fixture wattage rating must match the wattage indicated on the outer glass bulb. Do not scratch the outer bulb or subject it to pressure as this could cause the outer bulb to crack or shatter. A partial vacuum in the outer bulb may cause glass to fly if the glass is struck. Operating the lamp improperly may result in **PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.**

- If the outer glass bulb is broken, shut off power immediately and remove the lamp after it has cooled.
- Use only auxiliary equipment meeting Philips and/or ANSI standards. Use within voltage limits recommended by ballast manufacturer.
 - Operate lamp only within specified limits of operation.
 - For total supply load refer to ballast manufacturers electrical data.
- Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.
- Replace the lamp if the outer glass bulb has been scratched, cracked or damaged in any way.
- If a lamp bulb support is used, be sure to insulate the support electrically so as to avoid possible decomposition of the bulb glass.
- Do not use this lamp in a fixture which redirects a substantial portion of the energy toward the arc tube and its immediate vicinity, as this may lead to very early lamp failure.
- Take care in handling and disposing of lamps. If arc tube is broken, avoid skin contact with any of them contents or fragments.
- The arc tube of this lamp contains sodium and mercury. Dispose of in accordance with federal, state and local requirements.