

PHILIPS

Lamps

Ceramalux High
Pressure Sodium



Energy efficiency with **long life**

Philips Ceramalux High Pressure Sodium Lamps

provide low cost lighting solution without compromising light output.

Low cost

- Low total cost of ownership
- Operates on existing HPS ballasts & fixtures
- Ideal for roadway, warehouse and security lighting in industrial and outdoor applications

Long life

- 24,000-rated average life*

Efficient light source

- High efficacy with up to 140 lumens per watt

* Rated average life is the life obtained (on the average) from large representative groups of lamps in laboratory. Tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 67% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average.

Philips Ceramalux High Pressure Sodium Lamps

Ordering, electrical and technical data (subject to change without notice)

Product Number	Ordering Code	ANSI Code	Watts	Bulb	Base	Operating Position	Bulb Finish	Std. Pkg. Qty	LCL (In.)	MOL (In.)	Rated Avg. Life (Hrs.) ¹	Approx. Initial Lumens ²	Approx. Mean Lumens ²	CRI	CCT (K)
467290	C35S76/M	S76	35	BD17	Med.	Universal	Clear	12	3 7/16	5 7/16	24,000+	2250	2025	21	2100
467308	C50S68/M	S68	50	BD17	Med.	Universal	Clear	12	3 7/16	5 7/16	24,000+	4000	3600	21	2100
467266	C50S68/ALTO	S68	50	ED23 1/2	Mog.	Universal	Clear	12	5	7 3/4	24,000+	4000	3600	21	2100
467282	C70S62/M	S62	70	BD17	Med.	Universal	Clear	12	3 7/16	5 7/16	24,000+	6300	5850	21	2100
467258	C70S62/ALTO	S62	70	ED23 1/2	Mog.	Universal	Clear	12	5	7 3/4	24,000+	6500	5670	21	2100
467274	C100S54/M	S54	100	BD17	Med.	Universal	Clear	12	3 1/2	5 7/16	24,000+	9500	8550	21	2100
467241	C100S54/ALTO	S54	100	ED23 1/2	Mog.	Universal	Clear	12	5	7 3/4	24,000+	9400	8460	21	2100
332270	C100S54/D/ALTO	S54	100	ED23 1/2	Mog.	Universal	Coated	12	—	7 3/4	24,000+	8610	7750	21	2100
467316	C150S55/M	S55	150	BD17	Med.	Universal	Clear	12	3 1/2	5 7/16	24,000+	16,000	14,400	21	2100
467233	C150S55/ALTO	S55	150	ED23 1/2	Mog.	Universal	Clear	12	5	7 3/4	24,000+	15,800	14,220	21	2100
368761	C150S56/ALTO	S56	150	ED28	Mog.	Universal	Clear	12	5	8 15/16	24,000+	15,000	13,950	21	2100
467225	C200S66/ALTO	S66	200	ED18	Mog.	Universal	Clear	12	5 3/4	9 3/4	24,000+	21,400	19,260	21	2100
467217	C250S50/ALTO	S50	250	ED18	Mog.	Universal	Clear	12	5 3/4	9 3/4	24,000+	27,000	24,300	21	2100
467373	C400S51/ALTO	S51	400	ED18	Mog.	Universal	Clear	12	5 3/4	9 3/4	24,000+	50,000	45,000	21	2100
368837	C1000S52/ALTO	S52	1000	ED25	Mog.	Universal	Clear	6	8 3/4	15 1/16	24,000	140,000	126,000	21	2100
323865	C1000S52/ED37	S52	1000	ED37	Mog.	Universal	Clear	6	7	11 1/2	24,000	125,000	112,000	21	2100

1. Rated average life is the life obtained, on the average, from large representative groups of lamps in laboratory tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 67% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average.
2. Measured at 100 hrs. life. Approximate lumen values listed are for vertical and horizontal operation of the lamp.
3. Approximate lumen output at 40% of lamp rated average life.

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.

Caution: Operating the lamp improperly may result in personal injury, property damage, burns and fire.

1. If the outer glass bulb is broken, shut off power immediately and remove the lamp after it has cooled.
2. Use only auxiliary equipment meeting Philips and/or ANSI standards. Use within voltage limits recommended by ballast manufacturer.
 - A. Operate lamp only within specified limits of operation.
 - B. For total supply load refer to ballast manufacturers electrical data.
3. Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.
4. Replace the lamp if the outer glass bulb has been scratched, cracked or damaged in any way.
5. If a lamp bulb support is used, be sure to insulate the support electrically so as to avoid possible decomposition of the bulb glass.
6. 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.
7. Take care in handling and disposing of lamps. If arc tube is broken, avoid skin contact with any of the contents or fragments.
8. The arc tube of this lamp contains sodium and mercury. Dispose of in accordance with federal, state and local requirements.

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