



Reduce maintenance costs

Ceramalux ALTO Non-Cycling

Philips Ceramalux High Pressure Sodium Non-Cycling Lamps are a better value than standard high pressure sodium lamps, with longer life and reduced maintenance cost.

Benefits

- More resistant to outages caused by vibration and line voltage fluctuations.
- 90% lumen maintenance.
- Sustainable lighting solution - up to 90% less mercury than standard Philips Ceramalux HPS lamps and lead free.

Features

- Rated average life of 30,000 hours*
- Direct replacement for standard HPS lamps
- 200, 250 and 400 Watts available in the ED18 mogul base / 50, 70, 100 and 150 Watts available in the ED 23-1/2 mogul base / 1000 Watts available in the ED 25 mogul base.
- * 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. Approximate lumen output at 40% of rated life. It is based on survival of 65% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average.

Application

- Ideal for street and roadway lighting, parking lots and garages, warehouses and manufacturing facilities where lower maintenance costs are desired.

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Versions

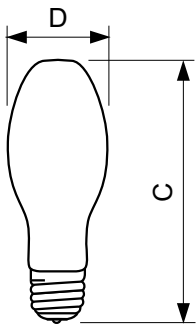
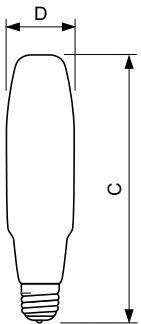


E39, ED-23 1/2, Clear



E39, ED-18, Clear

Dimensional drawing



Product	D	L	C (max)
C400S51/ALTO NC HPS 12PK	2.25 in	5.750 in	9.75 in
C250S50/ALTO NC HPS 12PK	2.25 in	5.750 in	9.75 in

Product	D	L	C (max)
C70S62/ALTO NC HPS 12PK	2.94 in	5.000 in	7.75 in
C100S54/ALTO NC HPS 12PK	2.94 in	5.000 in	7.75 in
C70S62/ALTO NC HPS 12PK	2.94 in	5.000 in	7.75 in

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General Information	
Cap-Base	E39
Main Application	Street Lighting (S)
Operating Position	Universal
Luminaire Design Requirements	
Bulb Temperature (Max)	400 °C
Light Technical	
Color Rendering Index (Nom)	21
Mechanical and Housing	
Bulb Finish	Clear (CL)
Bulb Material	Hard Glass

Approval and Application

Order Code	Full Product Name	Mercury (Hg)	
		Content (Nom)	Picogram Per Lumen Hour
426650	C70S62/ALTO NC HPS 12PK	1.4 mg	8.3 pg/lm.h
467324	C70S62/ALTO NC HPS 12PK	1.4 mg	8.3 pg/lm.h
467357	C100S54/ALTO NC HPS 12PK	2.0 mg	6.7 pg/lm.h

Order Code	Full Product Name	Mercury (Hg)	
		Content (Nom)	Picogram Per Lumen Hour
467340	C250S50/ALTO NC HPS 12PK	3.4 mg	4.4 pg/lm.h
467365	C400S51/ALTO NC HPS 12PK	3.4 mg	2.5 pg/lm.h

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Re-ignition Time (Min) (Max)
426650	C70S62/ALTO NC HPS 12PK	1.45 A	60 V	44 V	52 V	5 min
467324	C70S62/ALTO NC HPS 12PK	1.45 A	60 V	44 V	52 V	5 min
467357	C100S54/ALTO NC HPS 12PK	2.1 A	62 V	45 V	55 V	5 min
467340	C250S50/ALTO NC HPS 12PK	1.8 A	120 V	90 V	100 V	2 min
467365	C400S51/ALTO NC HPS 12PK	4.6 A	120 V	90 V	100 V	3 min

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens	Luminous Flux (Rated) (Min)
		Coordinate X (Nom)	Coordinate Y (Nom)					
426650	C70S62/ALTO NC HPS 12PK	0.523	0.425	2150 K	79 lm/W	90 lm/W	5670 lm	5500 lm
467324	C70S62/ALTO NC HPS 12PK	0.523	0.425	2150 K	79 lm/W	90 lm/W	5670 lm	5500 lm
467357	C100S54/ALTO NC HPS 12PK	0.533	0.415	2100 K	90 lm/W	100 lm/W	9000 lm	9000 lm
467340	C250S50/ALTO NC HPS 12PK	0.523	0.415	2100 K	102 lm/W	114 lm/W	25650 lm	25600 lm
467365	C400S51/ALTO NC HPS 12PK	0.524	0.420	2100 K	112.5 lm/W	125 lm/W	45000 lm	45000 lm

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
426650	C70S62/ALTO NC HPS 12PK	6300 lm	467324	C70S62/ALTO NC HPS 12PK	6300 lm