PHILIPS

Lighting

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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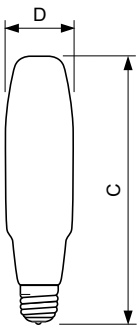
Versions

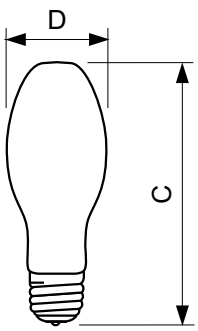
70 W Single Contact Mogul Screw
ED-23 1/2 Clear

E39, ED-18, Clear

Dimensional drawing



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



Product	D	L	C (max)
C150S55/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
Bulb Material	Hard Glass

Approval and application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
467324	C70S62/ALTO NC HPS 12PK	1.4 mg	8.3 pg/lm.h
467332	C150S55/ALTO NC HPS 12PK	2 mg	4.6 pg/lm.h

Order Code	Full Product Name	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
467340	C250S50/ALTO NC HPS 12PK	3.36 mg	4.4 pg/lm.h

Operating and electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Nom)	Re-Ignition Time (Min) (Max)
467324	C70S62/ALTO NC HPS 12PK	1.45 A	60 V	44 V	52 V	70.2 W	5 min
467332	C150S55/ALTO NC HPS 12PK	3.2 A	62 V	48 V	55 V	150.6 W	7 min
467340	C250S50/ALTO NC HPS 12PK	1.8 A	120 V	90 V	100 V	251 W	2 min

Light technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens	Luminous Flux (Rated) (Min)
467324	C70S62/ALTO NC HPS 12PK	0.523	0.425	-	79 lm/W	90 lm/W	5670 lm	5500 lm
467332	C150S55/ALTO NC HPS 12PK	0.525	0.417	2100 K	96 lm/W	106 lm/W	14400 lm	14400 lm
467340	C250S50/ALTO NC HPS 12PK	0.523	0.415	2100 K	102 lm/W	114 lm/W	25650 lm	25600 lm

Light technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
467324	C70S62/ALTO NC HPS 12PK	6300 lm
467332	C150S55/ALTO NC HPS 12PK	16000 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
467340	C250S50/ALTO NC HPS 12PK	28500 lm

Mechanical and housing

Order Code	Full Product Name	Bulb Shape
467324	C70S62/ALTO NC HPS 12PK	ED23 1/2
467332	C150S55/ALTO NC HPS 12PK	ED23 1/2

Order Code	Full Product Name	Bulb Shape
467340	C250S50/ALTO NC HPS 12PK	ED18