



# 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.

# Ceramalux ALTO Non-Cycling

## Versions

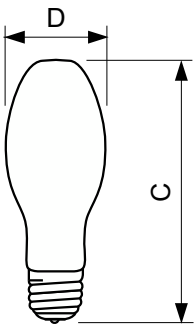
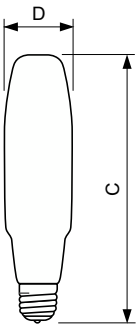


LPPR D-HPS-NC 0001



LPPR D-HPS-NC E39 ED18 CL

## Dimensional drawing



Product	D	L	C (max)
C250S50/ALTO NC HPS 1/12PK	2.25 inch	5.750 inch	9.75 inch

Product	D	L	C (max)
C150S55/ALTO NC HPS 1/12PK	2.94 inch	5.000 inch	7.75 inch
C70S62/ALTO NC HPS 1/12PK	2.94 inch	5.000 inch	7.75 inch

### General Information

Cap-Base	E39
Operating Position	UNIVERSAL

### Light Technical

Color rendering index (CRI)	21
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### Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Hard Glass

## Light Technical

## Ceramalux ALTO Non-Cycling

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Luminous Efficacy (Rated)	Luminous Efficacy (rated)
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	(Min)	(Nom)
928601155990	C70S62/ALTO NC HPS 1/12PK	0.523	0.425	-	79 lm/W	90 lm/W
928601156090	C150S55/ALTO NC HPS 1/12PK	0.525	0.417	2100 K	96 lm/W	106 lm/W
928601156190	C250S50/ALTO NC HPS 1/12PK	0.523	0.415	2100 K	102 lm/W	114 lm/W

### Operating and Electrical

Order Code	Full Product Name	Lamp		
		Current (Nom)	Voltage (Nom)	Power Consumption
928601155990	C70S62/ALTO NC HPS 1/12PK	1.45 A	52 V	70.2 W
928601156090	C150S55/ALTO NC HPS 1/12PK	3.2 A	55 V	150.6 W

Order Code	Full Product Name	Lamp		
		Current (Nom)	Voltage (Nom)	Power Consumption
928601156190	C250S50/ALTO NC HPS 1/12PK	1.8 A	100 V	251 W

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928601155990	C70S62/ALTO NC HPS 1/12PK	ED-23 1/2
928601156090	C150S55/ALTO NC HPS 1/12PK	ED-23 1/2

Order Code	Full Product Name	Bulb Shape
928601156190	C250S50/ALTO NC HPS 1/12PK	ED18

### Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
928601155990	C70S62/ALTO NC HPS 1/12PK	1.4 mg
928601156090	C150S55/ALTO NC HPS 1/12PK	2 mg

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
928601156190	C250S50/ALTO NC HPS 1/12PK	3.36 mg

