PHILIPS

Lighting

Energy efficiency and long life

Ceramalux ALTO

These lamps pass the EPA's TCLP test for non-hazardous materials. Ideal for industrial applications, warehouses, post top applications and parking lots.

Benefits

- Low mercury - better for the environment.
- Long Life - 24,000 hours Rated Average Life.
- High efficacy up to 140 LPW.

Features

- Low total cost of ownership.
- Long life—up to 24,000 hours.
- High efficacy up to 140 LPW.
- ALTO® Lamp Technology - Sustainable solution.
- ED 18 Available in 200, 250 and 400 watt; ED-23 1/2 Available in 50, 70,100, and 150 watt

Application

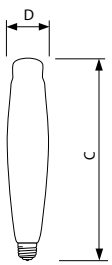
- Ideal for street and roadway lighting, parking lots and garages, warehouses and manufacturing facilities where lower maintenance costs are desired.

Ceramalux ALTO

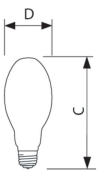
Versions

LPPR D-HPS-AL E25 CL

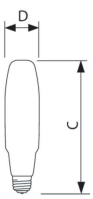
Dimensional drawing



Product
C1000S52/ALTO



Product		
C50S68/ALTO 12PK		
SON 100W E39 ED75 CL SL/12	75 mm	196 mm
SON 150W E39 ED75 CL SL/12		
SON 70W E39 ED75 CL SL/12		



Product	D	C (max)
C200S66/ALTO 12PK		
SON 250W E39 ED58 CL SL/12	57.2 mm	248 mm
SON 400W E39 ED58 CL SL/12		

Ceramalux ALTO

General Information	
Cap-Base	E39
Operating Position	UNIVERSAL

Light Technical	
Correlated Color Temperature (Nom)	2100 K

Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Hard Glass

Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color rendering index (CRI)	Luminous Efficacy (Rated) (Min)	Luminous Efficacy (rated) (Nom)
928601139790	SON 150W E39 ED75 CL SL/12	514	424	17	96 lm/W	106 lm/W
928601139890	SON 100W E39 ED75 CL SL/12	520	420	18	85 lm/W	94 lm/W
928601139990	SON 70W E39 ED75 CL SL/12	522	425	13	86 lm/W	94 lm/W
928601140090	C50S68/ALTO 12PK	529	420	16	74 lm/W	82 lm/W
928601139205	C1000S52/ALTO	515	420	21	121.5 lm/W	135 lm/W
928601139391	SON 400W E39 ED58 CL SL/12	515	420	20	112.5 lm/W	125 lm/W
928601139490	SON 250W E39 ED58 CL SL/12	523	412	26	102 lm/W	114 lm/W
928601139590	C200S66/ALTO 12PK	521	420	16	104 lm/W	115 lm/W

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
928601139790	SON 150W E39 ED75 CL SL/12	3.2 A	55 V	150.6 W
928601139890	SON 100W E39 ED75 CL SL/12	2.1 A	55 V	100.4 W
928601139990	SON 70W E39 ED75 CL SL/12	1.6 A	52 V	70.2 W
928601140090	C50S68/ALTO 12PK	1.18 A	52 V	50.2 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power Consumption
928601139205	C1000S52/ALTO	4.7 A	250 V	1,003 W
928601139391	SON 400W E39 ED58 CL SL/12	4.6 A	100 V	401.5 W
928601139490	SON 250W E39 ED58 CL SL/12	3.0 A	95 V	251 W
928601139590	C200S66/ALTO 12PK	2.4 A	100 V	200.8 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928601139790	SON 150W E39 ED75 CL SL/12	ED-23 1/2
928601139890	SON 100W E39 ED75 CL SL/12	ED-23 1/2
928601139990	SON 70W E39 ED75 CL SL/12	ED-23 1/2
928601140090	C50S68/ALTO 12PK	ED-23 1/2

Order Code	Full Product Name	Bulb Shape
928601139205	C1000S52/ALTO	E25
928601139391	SON 400W E39 ED58 CL SL/12	ED18
928601139490	SON 250W E39 ED58 CL SL/12	ED18
928601139590	C200S66/ALTO 12PK	ED18

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928601139790	SON 150W E39 ED75 CL SL/12	17 mg	-
928601139890	SON 100W E39 ED75 CL SL/12	22.1 mg	-
928601139990	SON 70W E39 ED75 CL SL/12	17 mg	-

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928601140090	C50S68/ALTO 12PK	17.7 mg	-
928601139205	C1000S52/ALTO	-	32 mg
928601139391	SON 400W E39 ED58 CL SL/12	23.5 mg	-

Ceramalux ALTO

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928601139490	SON 250W E39 ED58 CL SL/12	23.5 mg	-

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928601139590	C200S66/ALTO 12PK	31 mg	-

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