



# Ceramic arc tube technology for outstanding color performance

MasterColor® CDM ED37 Protected

Philips MasterColor Protected Pulse Start Ceramic Metal Halide lamps offer a range of protected high-efficiency long life medium wattage lamps with a stable lumen maintenance over lifetime and provides crisp, sparkling light.

## Benefits

- Sustainable lighting solution - ALTO Lamp Technology means low mercury.
- Excellent color rendering of 90 CRI.
- No shut-off required.

## Features

- Higher lumen maintenance—Improved lumen maintenance increases time between re-lamping.
- Superior color stability over life: within  $\pm 200\text{K}$  for consistent look and feel of the space.
- Operates on metal halide pulse start ballasts.
- Patented coil design offers protection for open fixture rating.
- Available in 350 and 400 Watts.

## Application

- Ideal for use in high-ceiling retail, distribution center or industrial applications.

**Warnings and Safety**

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or

other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

Related products

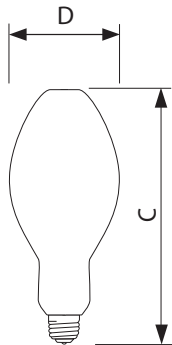


350W/400W, EX39, ED-37, Clear



350W/400W, EX39, ED-37, Coated

Dimensional drawing



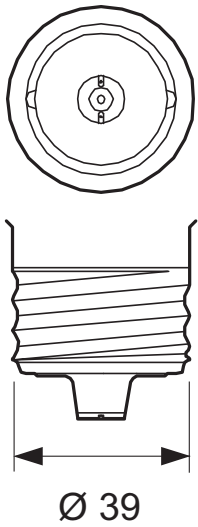
**EX39, ED-37**

Product	C (Max)	D (Norm)
CDM PS 350W/942 EX39 ED37 CO V ALTO	11.5	4.625
CDM PS 400W/942 EX39 ED37 V ALTO	11.5	4.625
CDM PS 400W/842 EX39 ED37 CO V ALTO	11.5	4.625

**General Characteristics**

Order code	Full product name	Bulb	Bulb Material	Bulb Finish	Base	Operating Position	System Description	Main Application	RatedAvgLife(See Family Notes)
928601157501	MasterColor CDM 400W PS ED37 CL V ALTO	ED37	Hard Glass	Clear	Exclusionary Mogul Screw	vbu/vbd15	Pulse Start	General Lighting	24000
928601157401	MasterColor CDM 350W/942 PS ED37 CO V ALTO	ED37	Hard Glass	Coated	Exclusionary Mogul Screw	vbu/vbd15	Pulse Start	General Lighting	24000
928601157601	MasterColor CDM 400W/840 PS ED37 CO V ALTO	ED37	Hard Glass	Coated	Exclusionary Mogul Screw	vbu/vbd15	Pulse Start	General Lighting	24000

## Installation diagrams



EX39

## Light Technical Characteristics (1/2)

Order code	Full product name	Color Code	Color Designation	Initial Lumens	Chromaticity Coordinate X	Chromaticity Coordinate Y	Color Rendering Index	Luminous Efficacy Lamp	Color Temperature	Design Mean Lumens	Lumen Maintenance - 40% life
928601157501	MasterColor CDM 400W PS ED37 CL V ALTO	942	Cool White	36000	361 (min), 371 (nom), 381 (max)	362 (min), 372 (nom), 382 (max)	85 (min), 90 (nom)	90	4200	28800	80
928601157401	MasterColor CDM 350W/942 PS ED37 CO V ALTO	942	Cool White	30600	362 (min), 372 (nom), 382 (max)	362 (min), 372 (nom), 382 (max)	90	87.4	4200	24500	80
928601157601	MasterColor CDM 400W/840 PS ED37 CO V ALTO	842	Cool White	34000	363 (min), 373 (nom), 383 (max)	364 (min), 374 (nom), 384 (max)	85 (min), 88 (nom)	85	4200	27200	83

## Light Technical Characteristics (2/2)

Order code	Full product name	Lumen Maintenance - 10% life
928601157501	MasterColor CDM 400W PS ED37 CL V ALTO	85
928601157401	MasterColor CDM 350W/942 PS ED37 CO V ALTO	85
928601157601	MasterColor CDM 400W/840 PS ED37 CO V ALTO	85

## Environmental Characteristics

Order code	Full product name	Mercury (Hg) Content
928601157501	MasterColor CDM 400W PS ED37 CL V ALTO	12 (max)
928601157401	MasterColor CDM 350W/942 PS ED37 CO V ALTO	12 (max)
928601157601	MasterColor CDM 400W/840 PS ED37 CO V ALTO	12 (max)

## Electrical Characteristics

Order code	Full product name	Energy Used	Lamp Current	Lamp Voltage
928601157501	MasterColor CDM 400W PS ED37 CL V ALTO	400	3.15	150
928601157401	MasterColor CDM 350W/942 PS ED37 CO V ALTO	350	2.9	150
928601157601	MasterColor CDM 400W/840 PS ED37 CO V ALTO	400	3.15	150

## Luminaire Design Requirements

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
928601157501	MasterColor CDM 400W PS ED37 CL V ALTO	210 (max)	400 (max)
928601157401	MasterColor CDM 350W/942 PS ED37 CO V ALTO	210 (max)	400 (max)
928601157601	MasterColor CDM 400W/840 PS ED37 CO V ALTO	210 (max)	400 (max)



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data subject to change