



# MasterColor CDM ED23 1/2 Elite

## MasterColor CDM100/U/PS/4K ED23.5 - Elite

Philips MasterColor Ceramic Metal Halide Pulse Start ED23 1/2 Lamps are a better value than quartz metal halide, with longer life, higher lumen maintenance, and energy efficiency.

### Product data

General Information		Operating and Electrical	
Cap-Base	E39 [ Single Contact Mogul Screw]	Chromaticity Coordinate Y (Nom)	0.370
Operating Position	Universal [ Universal]	Correlated Color Temperature (Max)	4380 K
Main Application	General Lighting (G)	Correlated Color Temperature (Min)	3980 K
Life to 50% Failures (Nom)	20000 h	Correlated Color Temperature (Nom)	4180 K
ANSI Code HID	C90/E	Luminous Efficacy (Rated) (Min)	90 lm/W
Features	ELITE	Luminous Efficacy (rated) (Nom)	99 lm/W
System Description	Pulse Start	Color Rendering Index (Min)	87
		Color Rendering Index (Nom)	90
Light Technical		Mechanical and Housing	
Color Code	940 [ CCT of 4000K]	Bulb Finish	Clear (CL)
Luminous Flux (Rated) (Min)	9360 lm	Cap-Base Information	Nic/Brass
Luminous Flux (Rated) (Nom)	10400 lm		
Color Designation	Cool White (CW)		
Lumen Maintenance - 40% Life	80 %		
Lumen Maintenance - 10% Life	92 %		
Design Mean Lumens	7920 lm		
Chromaticity Coordinate X (Max)	0.387		
Chromaticity Coordinate X (Min)	0.369		
Chromaticity Coordinate X (Nom)	0.378		
Chromaticity Coordinate Y (Max)	0.376		
Chromaticity Coordinate Y (Min)	0.364		

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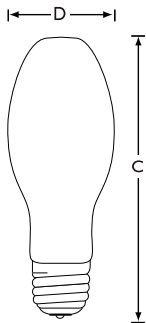
<b>Bulb Material</b>	Hard Glass
<b>Approval and Application</b>	
<b>Picogram Per Lumen Hour</b>	61 pg/lm.h
<b>Mercury (Hg) Content (Max)</b>	9.9 mg
<b>UV</b>	
<b>Pet (Niosh) (Nom)</b>	70.2 h/500lx
<b>Damage Factor D/fc (Nom)</b>	0.6
<b>Luminaire Design Requirements</b>	
<b>Bulb Temperature (Max)</b>	400 °C

<b>Cap-Base Temperature (Max)</b>	190 °C
<b>Product Data</b>	
<b>Order product name</b>	MasterColor CDM100/U/PS/4K ED23.5 - Elite
<b>EAN/UPC - Product</b>	046677430689
<b>Order code</b>	430686
<b>Numerator - Quantity Per Pack</b>	1
<b>Numerator - Packs per outer box</b>	12
<b>Material Nr. (12NC)</b>	928601178401
<b>Net Weight (Piece)</b>	0.001 kg

## 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)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

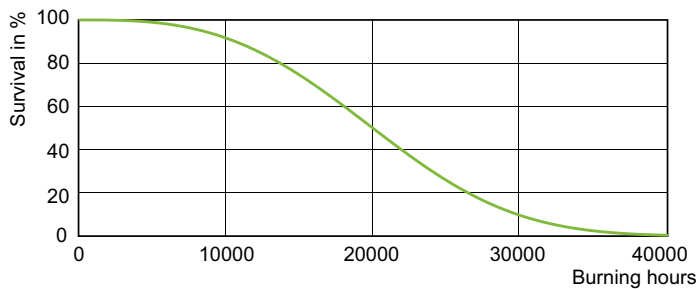
## Dimensional drawing



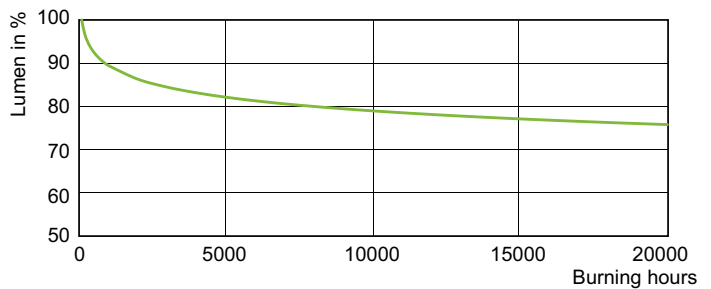
Product	D	C (max)
MasterColor CDM 00/U/PS/4K ED23.5 - Elite	2.938 in	7.75 in

CDM PS 100W/940 E39 ED23 1/2 U ELITE

## Lifetime



100W /940 E39 ED-23 1/2 U ELITE



100W /940 E39 ED-23 1/2 U ELITE

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