



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.

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 or 1-800-555-0050

Product data

General Information	
Base	E39 [Single Contact Mogul Screw]
Operating Position	Universal [Universal]
Main Application	General Lighting (G)
Life to 50% Failures (Nom)	20000 h
ANSI Code HID	C90/E
Features	ELITE
System Description	Pulse Start

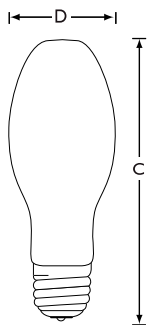
Light Technical	
Color Code	940 [CCT of 4000K]
Luminous Flux (Rated) (Min)	9360 lm
Luminous Flux (Rated) (Nom)	10400 lm
Color Designation	Cool White (CW)

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
Chromaticity Coordinate Y (Nom)	0.370
Correlated Color Temperature (Max)	4380 K
Correlated Color Temperature (Min)	3980 K
Correlated Color Temperature (Nom)	4180 K
Luminous Efficacy (Rated) (Min)	90 lm/W
Luminous Efficacy (rated) (Nom)	104 lm/W

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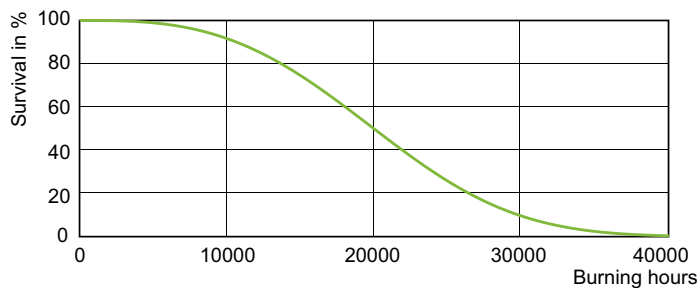
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90
Operating and Electrical	
Power (Rated) (Nom)	100.4 W
Lamp Current (Nom)	1.10 A
Ignition Supply Voltage (Min)	235 V
Re-Ignition Time (Min) (Max)	8 min
Ignition Time (Max)	10 s
Voltage (Max)	114 V
Voltage (Min)	90 V
Voltage (Nom)	102 V
Mechanical and Housing	
Bulb Finish	Clear
Cap-Base Information	Nic/Brass
Bulb Material	Hard Glass
Approval and Application	
Picogram Per Lumen Hour	61 pg/lm.h

Dimensional drawing



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

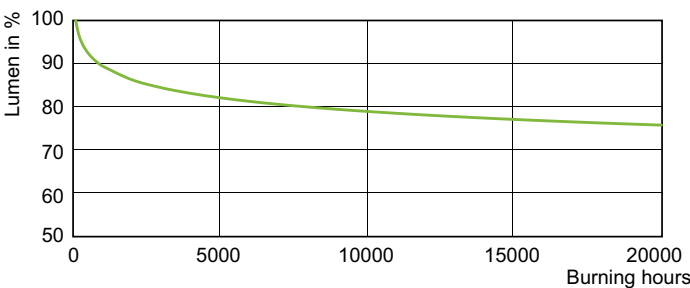
Lifetime



LDLE_D-CDM-PS_0002-Life expectancy diagram

Mercury (Hg) Content (Max)	9.9 mg
UV	
Pet (Niosh) (Nom)	70.2 h/500lx
Damage Factor D/fc (Nom)	0.6
Luminaire Design Requirements	
Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	190 °C
Product Data	
Order product name	MasterColor CDM100/U/PS/4K ED23.5 - Elite
EAN/UPC - Product	046677430689
Order code	430686
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601178401
Net Weight (Piece)	0.001 kg

Product	D	C (max)
MasterColor CDM100/U/PS/4K ED23.5 - Elite	2.938 in	7.75 in



LDLM_D-CDM-PS_0002-Lumen maintenance diagram

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