



MasterColor CDM ED23 1/2 Standard

MasterColor CDM150/U/PS/4K ALTO 12PK

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)

Product data

General information			
Cap-Base	E39 [Single Contact Mogul Screw]	Chromaticity Coordinate X (Max)	0.386
Operating Position	H90 [Hanging +/-90D or Base Up HOR (BUH)]	Chromaticity Coordinate X (Min)	0.368
Main Application	General Lighting (G)	Chromaticity Coordinate X (Nom)	0.377
Life to 50% Failures (Nom)	24000 h	Chromaticity Coordinate Y (Max)	0.373
ANSI Code HID	M142/M102/E	Chromaticity Coordinate Y (Min)	0.361
System Description	Pulse Start	Chromaticity Coordinate Y (Nom)	0.367
Light technical		Correlated Color Temperature (Max)	- K
Color Code	940 [CCT of 4000K]	Correlated Color Temperature (Min)	- K
Luminous Flux (Rated) (Min)	11250 lm	Correlated Color Temperature (Nom)	4000 K
Luminous Flux (Rated) (Nom)	12500 lm	Luminous Efficacy (Rated) (Min)	75 lm/W
Color Designation	Cool White (CW)	Luminous Efficacy (rated) (Nom)	83 lm/W
Lumen Maintenance - 40% Life	72 %	Color Rendering Index (Min)	87
Design Mean Lumens	9000 lm	Color Rendering Index (Nom)	90
		Operating and electrical	
		Power (Nom)	150.6 W

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Lamp Current (Nom)	1.8 A
Ignition Supply Voltage (Min)	235 V
Re-Ignition Time (Min) (Max)	12 min
Ignition Time (Max)	10 s
Voltage (Max)	105 V
Voltage (Min)	85 V
Voltage (Nom)	95 V

Mechanical and housing

Bulb Finish	Clear
Cap-Base Information	Nickel/Brass
Bulb Material	Hard Glass
Bulb Shape	ED-23 1/2

Approval and application

Picogram Per Lumen Hour	50.7 pg/lm.h
Mercury (Hg) Content (Nom)	12.3 mg

UV

Pet (Niosh) (Nom)	192 h/500lx
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Damage Factor D/fc (Nom)	0.423
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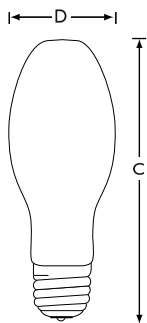
Luminaire design requirements

Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	190 °C
Cap-Base Temperature (Max)-DUP(do not use)	374 °F

Product data

Order product name	MasterColor CDM150/U/PS/4K ALTO 12PK
EAN/UPC - Product	046677154943
Order code	928601172101
Numerator - Quantity Per Pack	1
Local code description	CDM150/U/PS/4K ALTO 12PK
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601172101
Net Weight (Piece)	0.001 kg

Dimensional drawing



MasterColor CDM150/U/PS/4K ALTO 12PK

Product	D	C (max)
MasterColor CDM150/U/PS/4K ALTO 12PK	2.938 in	7.75 in

