



# MasterColor CDM ED17 Protected Elite 4200K

## MHC100/C/U/MP/4K ELITE

MasterColor Elite Protected Ceramic Metal Halide ED-17 4200K Lamps provide excellent lumen maintenance and outstanding performance over time in a protected lamp.

### Product data

General Information			
Cap-Base	E26 [ Single Contact Medium Screw]	Chromaticity Coordinate Y (Max)	0.381
Operating Position	Universal [ Universal]	Chromaticity Coordinate Y (Min)	0.369
Main Application	General Lighting (G)	Chromaticity Coordinate Y (Nom)	0.375
Life to 50% Failures (Nom)	20000 h	Correlated Color Temperature (Nom)	4000 K
ANSI Code HID	C90/O	Luminous Efficacy (Rated) (Min)	85 lm/W
Features	ELITE	Luminous Efficacy (rated) (Nom)	87 lm/W
Light Technical		Color Rendering Index (Min)	87
Color Code	940 [ CCT of 4000K]	Color Rendering Index (Nom)	90
Luminous Flux (Rated) (Min)	7900 lm	Operating and Electrical	
Luminous Flux (Rated) (Nom)	8700 lm	Lamp Current (Nom)	1.1 A
Color Designation	Cool White (CW)	Ignition Supply Voltage (Min)	235 V
Lumen Maintenance - 40% Life	80 %	Re-Ignition Time (Min) (Max)	10 min
Lumen Maintenance - 10% Life	90 %	Ignition Time (Max)	10 s
Design Mean Lumens	6960 lm	Voltage (Max)	118 V
Chromaticity Coordinate X (Max)	0.398	Voltage (Min)	93 V
Chromaticity Coordinate X (Min)	0.380	Voltage (Nom)	103 V
Chromaticity Coordinate X (Nom)	0.389		

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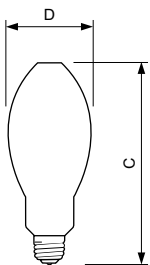
<b>Mechanical and Housing</b>	
Bulb Finish	CO [ Coated (CO)]
Cap-Base Information	Brass [ Brass Base]
Bulb Material	Hard Glass
<b>Approval and Application</b>	
Picogram Per Lumen Hour	74 pg/lm.h
Mercury (Hg) Content (Max)	10.3 mg
<b>UV</b>	
Pet (Niosh) (Nom)	387 h/500lx
Damage Factor D/fc (Nom)	0.28
<b>Luminaire Design Requirements</b>	
Bulb Temperature (Max)	400 °C

Cap-Base Temperature (Max)	190 °C
<b>Product Data</b>	
Order product name	MHC100/C/U/MP/4K ELITE
EAN/UPC - Product	046677429966
Order code	429968
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601178201
Net Weight (Piece)	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)
- WARNING: The arc-tube of metal halide lamps are designed to operate under high pressure and at temperatures up to 1000°C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. If the arc-tube ruptures for any reason, the outer bulb may break and pieces of extremely hot glass might be discharged into the surrounding environment. If such a rupture were to happen, THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE. These lamps are designed to retain all the glass particles, should an arc tube rupture occur. The following operating instructions are recommended to minimize the occurrences.
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- RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE. Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

## Dimensional drawing



Product	D	C (max)
MHC100/C/U/MP/4K ELITE	2.125 in	5.438 in

MHC P 100W/940 E26 ED17P CO U ELITE

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