



MasterColor CDM ED17 Protected Elite 4200K

MHC70/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]
Operating Position	UNIVERSAL [Any or Universal (U)]
Main Application	General Lighting (G)
Life To 50% Failures (Nom)	20000 h
ANSI Code HID	C98/O
Features	ELITE

Light Technical	
Color Code	940 [CCT of 4000K]
Luminous Flux (Rated) (Min)	5400 lm
Luminous Flux (Rated) (Nom)	5900 lm
Color Designation	Cool White (CW)
Lumen Maintenance - 40% Life	80 %
Lumen Maintenance - 10% Life	90 %
Design Mean Lumens	4720 lm
Chromaticity Coordinate X (Max)	0.391
Chromaticity Coordinate X (Min)	0.373
Chromaticity Coordinate X (Nom)	0.382
Chromaticity Coordinate Y (Max)	0.369
Chromaticity Coordinate Y (Min)	0.357

Chromaticity Coordinate Y (Nom)	0.363
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Min)	80 lm/W
Luminous Efficacy (rated) (Nom)	84 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

Operating and Electrical	
Lamp Current (Nom)	0.9 A
Ignition Supply Voltage (Min)	235 V
Re-Ignition Time (Min) (Max)	8 min
Ignition Time (Max)	10 s
Voltage (Max)	115 V
Voltage (Min)	95 V
Voltage (Nom)	100 V

Mechanical and Housing	
Bulb Finish	Coated glass
Cap-Base Information	Brass Cap
Bulb Material	Hard Glass

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Approval and Application

Picogram Per Lumen Hour	79 pg/lm.h
Mercury (Hg) Content (Max)	7.1 mg

UV

Pet (Niosh) (Nom)	347 h/500lx
Damage Factor D/fc (Nom)	0.28

Luminaire Design Requirements

Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	190 °C

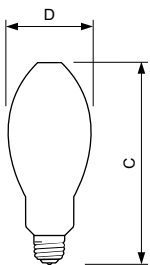
Product Data

Order product name	MHC70/C/U/MP/4K ELITE
EAN/UPC - Product	046677429973
Order code	928601178001
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601178001
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)
MHC70/C/U/MP/4K ELITE	2.125 in	5.438 in

MHC P 70W/940 E26 ED17P CO U ELITE

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