



MasterColor CDM ED17 Elite 4200K

MHC70/C/U/M/4K ELITE

MasterColor Elite Ceramic Metal Halide ED-17 4200K Lamps provide excellent lumen maintenance and outstanding performance over time in the familiar ED-17 lamp shape.

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.
- Certain lamps that will retain all the glass particles should inner arc tube rupture occur are commercially available from Philips Lighting Company.
- 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.

Product data

General information	
Cap-Base	E26 [Single Contact Medium Screw]
Operating Position	Universal [Universal]
Main Application	General Lighting (G)
Life to 50% Failures (Nom)	20000 h
ANSI Code HID	C98/E

Features	ELITE
Light technical	
Color Code	842 [CCT of 4200K]
Luminous Flux (Rated) (Min)	5600 lm
Luminous Flux (Rated) (Nom)	6200 lm
Color Designation	Cool White (CW)

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Lumen Maintenance - 40% Life	80 %
Lumen Maintenance - 10% Life	90 %
Design Mean Lumens	4960 lm
Chromaticity Coordinate X (Max)	0.379
Chromaticity Coordinate X (Min)	0.361
Chromaticity Coordinate X (Nom)	0.370
Chromaticity Coordinate Y (Max)	0.368
Chromaticity Coordinate Y (Min)	0.356
Chromaticity Coordinate Y (Nom)	0.362
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (Rated) (Min)	84 lm/W
Luminous Efficacy (rated) (Nom)	88 lm/W
Color Rendering Index (Min)	85
Color Rendering Index (Nom)	88

Operating and electrical

Power (Rated) (Nom)	70.4 W
Lamp Current (Nom)	0.91 A
Ignition Supply Voltage (Min)	250 V
Re-Ignition Time (Min) (Max)	8 min
Ignition Time (Max)	30 s
Voltage (Max)	110 V
Voltage (Min)	90 V
Voltage (Nom)	95 V

Mechanical and housing

Bulb Finish	Coated glass
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Cap-Base Information	Brass [Brass Base]
Bulb Material	Hard Glass
Bulb Shape	BD17 [BD17]

Approval and application

Picogram Per Lumen Hour	76 pg/lm.h
Mercury (Hg) Content (Max)	7.1 mg

UV

Pet (Niosh) (Nom)	95 h/500lx
Damage Factor D/fc (Nom)	0.6

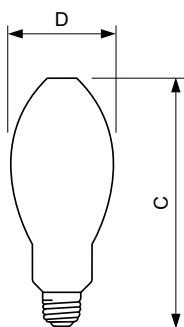
Luminaire design requirements

Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	190 °C
Cap-Base Temperature (Max)-DUP	374 °F

Product data

Order product name	MHC70/C/U/M/4K ELITE
EAN/UPC - Product	046677429911
Order code	429910
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601177501
Net Weight (Piece)	0.001 kg

Dimensional drawing



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Product	D	C (max)
MHC70/C/U/M/4K ELITE	2.125 in	5.438 in

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