



MasterColor CDM ED17 Elite 4200K

MHC100/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.

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	C90/E
Features	ELITE

Light Technical	
Color Code	942 [CCT of 4200K]
Luminous Flux (Rated) (Min)	9000 lm
Luminous Flux (Rated) (Nom)	10000 lm
Color Designation	Cool White (CW)
Lumen Maintenance - 40% Life	80 %
Lumen Maintenance - 10% Life	90 %
Design Mean Lumens	8000 lm
Chromaticity Coordinate X (Max)	0.388
Chromaticity Coordinate X (Min)	0.370
Chromaticity Coordinate X (Nom)	0.379
Chromaticity Coordinate Y (Max)	0.377
Chromaticity Coordinate Y (Min)	0.365

Chromaticity Coordinate Y (Nom)	0.371
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (Rated) (Min)	96 lm/W
Luminous Efficacy (rated) (Nom)	100 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

Operating and Electrical	
Lamp Current (Nom)	1.1 A
Re-Ignition Time (Min) (Max)	6 min
Ignition Time (Max)	30 s
Voltage (Max)	108 V
Voltage (Min)	91 V
Voltage (Nom)	98 V

Mechanical and Housing	
Bulb Finish	CL [Clear (CL)]
Cap-Base Information	Brass [Brass Base]
Bulb Material	Hard Glass

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Approval and Application

Picogram Per Lumen Hour	64 pg/lm.h
Mercury (Hg) Content (Max)	9.9 mg

UV

Pet (Niosh) (Nom)	231 h/500lx
Damage Factor D/fc (Nom)	0.45

Luminaire Design Requirements

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

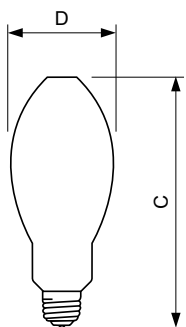
Product Data

Order product name	MHC100/U/M/4K ELITE
EAN/UPC - Product	046677429881
Order code	429886
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601177601
Net Weight (Piece)	0.060 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.
- 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.

Dimensional drawing



MHC 100W/942 E26 BD17 CL U ELITE

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

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