MasterColor CDM ED17 Protected Elite 4200K

MHC50/U/MP/4K ELITE

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

Product data

- General Information

Cap-Base	Medium [Medium]
Operating Position	Universal [Universal]
Main Application	General Lighting (G)
Life To 50% Failures (Nom)	20000 h
Ansi Code HID	C110/O
Features	ELITE

- Light Technical

Color Code	940 [CCT of 4000K]
Initial lumen (Min)	4320 lm
Initial lumen (Nom)	4800 lm
Color Designation	Cool White (CW)
Lumen Maintenance - 40% Life	80 %
Lumen Maintenance - 10% Life	90 %
Design Mean Lumens	3680 lm
Chromaticity Coordinate X (Max)	0.386
Chromaticity Coordinate X (Min)	0.368
Chromaticity Coordinate X (Nom)	0.377
Chromaticity Coordinate Y (Max)	0.373
Chromaticity Coordinate Y (Min)	0.361
Chromaticity Coordinate Y (Nom)	0.367
Correlated Color Temperature (Nom)	4100 K
Luminous Efficacy (rated) (Min)	86 lm/W
Luminous Efficacy (rated) (Nom)	92 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

- Operating and Electrical

Power (Rated) (Nom)	50 W
Lamp Current (Nom)	0.67 A
Ignition Supply Voltage (Min)	235 V
Re-Ignition Time (Min) (Max)	8 min
Ignition Time (Max)	10 s
Voltage (Max)	98 V
Voltage (Min)	80 V
Voltage (Nom)	88 V

- Mechanical and Housing

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

- Approval and Application

Picogram Per Lumen Hour	76 pg/lm.h
Mercury (Hg) Content (Max)	5.4 mg

- UV

Pet (Niosh) (Nom)	267 h/500lx

PHILIPS

Damage Factor D/fc (Nom)	0.31

- Luminaire Design Requirements

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

- Product Data

Order product name	MHC50/U/MP/4K ELITE
EAN/UPC - Product	046677429942
Order code	429944
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601177801
Net Weight (Piece)	0.070 kg

Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope ot the lamp is broken or puntured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precuations are used. Certain lamps that will automaticallly 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 rapture occur. The following operating instructions are recommended to minimize the occurrences.
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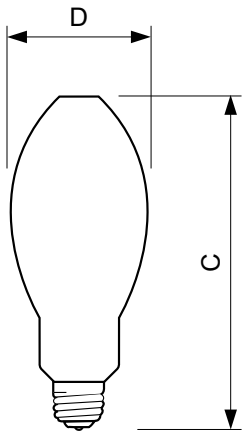
- RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE. Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

Dimensional drawing

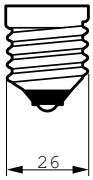


E26 ED-17, ED-17P

MHC P 50W/940 E26 ED17P CL U ELITE

Product	D	C
MHC50/U/MP/4K ELITE	2.125 in	5.438 in

Dimensional drawing



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