



# MasterColor CDM ED17 Elite 4200K

## MHC100/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.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

### Product data

General Information	
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)	8600 lm
Luminous Flux (Rated) (Nom)	9500 lm

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Color Designation	Cool White (CW)
Lumen Maintenance - 40% Life	80 %
Lumen Maintenance - 10% Life	90 %
Design Mean Lumens	7600 lm
Chromaticity Coordinate X (Max)	0.458
Chromaticity Coordinate X (Min)	0.440
Chromaticity Coordinate X (Nom)	0.449
Chromaticity Coordinate Y (Max)	0.406
Chromaticity Coordinate Y (Min)	0.394
Chromaticity Coordinate Y (Nom)	0.400
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (Rated) (Min)	91 lm/W
Luminous Efficacy (rated) (Nom)	95 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

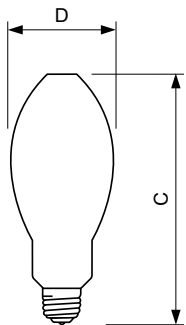
## Operating and Electrical

Power (Rated) (Nom)	100.4 W
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	Coated glass
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## Dimensional drawing



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

## Approval and Application

Picogram Per Lumen Hour	68 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/C/U/M/4K ELITE
EAN/UPC - Product	046677429898
Order code	429894
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601177701
Net Weight (Piece)	0.001 kg

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

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