



# Enhanced performance, familiar shape

## MasterColor CDM ED17 Elite 4200K

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.

### Benefits

- Excellent color – Up to 93 CRI (color rendering index)
- Color stability over life within +/- 200 K
- Lamp to lamp color consistency over life
- High lamp efficacy (up to 100 LPW)
- Elite 50W lamp provides 27% more initial lumens as compared to a standard MasterColor ED-17 50W lamp\*
- Elite 50W lamp provides 50% more mean lumens as compared to a standard MasterColor ED-17 50W lamp+
- \* MasterColor Elite ED-17 4200K 50W Lamps provides 4779 initial lumens compared to MasterColor ED-17 50W lamp at 3750 initial lumens.
- + MasterColor Elite ED-17 4200K 50W Lamps provides 3823 mean lumens compared to MasterColor ED-17 50W lamp at 2550 mean lumens.

### Features

- Application versatility
- Universal operating position
- Dimension, base and light center length are same as standard MasterColor ED-17 lamps
- Available in 50W, 70W and 100W Elite lamps.

### Application

- Ideal for general lighting, downlighting, and flood lighting.

# MasterColor CDM ED17 Elite 4200K

## Warnings and Safety

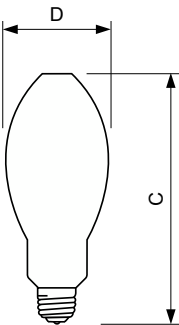
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain 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.

## Versions



LPPR D-MHC-LW BD17 CO

## Dimensional drawing



Product	D	C (max)
MHC100/U/M/4K ELITE	2.125 inch	5.438 inch
MHC50/U/M/4K ELITE	2.125 inch	5.438 inch
MHC70/C/U/M/4K ELITE	2.125 inch	5.438 inch
MHC70/U/M/4K ELITE	2.125 inch	5.438 inch

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General Information	
Cap-Base	E26
Operating Position	UNIVERSAL
Light Technical	
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4200 K
Mechanical and Housing	
Bulb Material	Hard Glass
Bulb Shape	BD17

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color rendering	Luminous Efficacy (rated)	
		Coordinate X (Nom)	Coordinate Y (Nom)	index (CRI)	Luminous Efficacy (Rated) (Min)	(Nom)
928601177501	MHC70/C/U/M/4K ELITE	0.370	0.362	88	84 lm/W	88 lm/W
928601177201	MHC50/U/M/4K ELITE	0.371	0.369	90	88 lm/W	98 lm/W
928601177401	MHC70/U/M/4K ELITE	0.37	0.360	88	90 lm/W	97 lm/W
928601177601	MHC100/U/M/4K ELITE	0.379	0.371	90	96 lm/W	100 lm/W

Operating and Electrical

Order Code	Full Product Name	Lamp	Voltage (Nom)	Power Consumption
		Current (Nom)		
928601177501	MHC70/C/U/M/4K ELITE	0.91 A	95 V	70.4 W
928601177201	MHC50/U/M/4K ELITE	0.68 A	85 V	-

Order Code	Full Product Name	Lamp	Voltage (Nom)	Power Consumption
		Current (Nom)		
928601177401	MHC70/U/M/4K ELITE	0.91 A	95 V	70.4 W
928601177601	MHC100/U/M/4K ELITE	1.1 A	98 V	100.4 W

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
928601177501	MHC70/C/U/M/4K ELITE	Coated glass
928601177201	MHC50/U/M/4K ELITE	Clear

Order Code	Full Product Name	Bulb Finish
928601177401	MHC70/U/M/4K ELITE	Clear
928601177601	MHC100/U/M/4K ELITE	Clear

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)
928601177501	MHC70/C/U/M/4K ELITE	7.1 mg
928601177201	MHC50/U/M/4K ELITE	5.4 mg

Order Code	Full Product Name	Mercury (Hg) Content (Max)
928601177401	MHC70/U/M/4K ELITE	7.1 mg
928601177601	MHC100/U/M/4K ELITE	9.9 mg

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