PHILIPS

MasterColor CDM ED17 Elite 4200K

D_CED174



Enhanced performance, familiar shape

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 lumnes compared to MasterColor ED-17 50W lamp at 3750 iniitial lumens.
- + MasterColor Elite ED-17 4200K 50W Lamps provides 3823 mean lumens compared to MasterColor ED-17 50W lamp at 2550 mean lumens.

Applications

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

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.
- 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 1000ºC 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

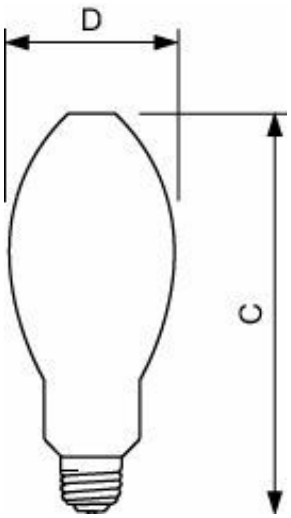


LPPR D-MHC-LW BD17 CO



LPPR D-MHC-LW 0005

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

General Information

Cap-Base	E26 [Single Contact Medium Screw]
Operating Position	UNIVERSAL [Any or Universal (U)]

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

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Lamp Current (Nom)	Voltage (Nom)
928601177501	MHC70/C/U/M/4K ELITE	70.4 W	0.91 A	95 V
928601177201	MHC50/U/M/4K ELITE	-	0.68 A	85 V
928601177401	MHC70/U/M/4K ELITE	70.4 W	0.91 A	95 V
928601177601	MHC100/U/M/4K ELITE	100.4 W	1.1 A	98 V

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
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
928601177401	MHC70/U/M/4K ELITE	7.1 mg
928601177601	MHC100/U/M/4K ELITE	9.9 mg

© 2026 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.