



Extraordinary performance, familiar shape

MasterColor CDM ED17 Elite

MasterColor Ceramic Metal Halide ED-17 Elite lamps provide excellent lumen maintenance and outstanding performance over time in the familiar ED-17 lamp shape.

Benefits

- Universal operation position
- Excellent lumen maintenance
- Available in multiple wattages (50W, 70W, and 100W)

Features

- Color stability over life within +/- 200K
- Lamp to lamp color consistency over life
- Up to 90 CRI (color rendering index)
- High lamp efficacy (up to 110 LPW)

Application

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

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)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

MasterColor CDM ED17 Elite

Versions

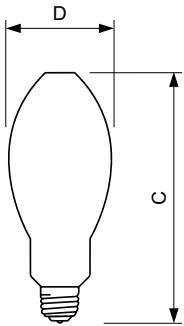


ED17 Clear Medium Elite



BD17 Medium Coated

Dimensional drawing



Product

MasterColor CDM MHC100/C/U/M/3K ELITE

MasterColor CDM MHC70/U/M/3K ELITE

MasterColor CDM MHC100/U/M/3K ELITE

General Information

Cap-Base	E26
Life To 50% Failures (Nom)	16000 h
Main Application	General Lighting (G)
Operating Position	Universal

Luminaire Design Requirements

Bulb Temperature (Max)	400 °C
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Light Technical

Color Code	930
Color Designation	Warm White (WW)
Correlated Color Temperature (Max)	- K
Correlated Color Temperature (Min)	- K
Lumen Maintenance - 10% Life	95 %
Lumen Maintenance - 40% Life	80 %

Mechanical and Housing

Bulb Material	Hard Glass
Bulb Shape	BD17

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content	
		(Max)	Picogram Per Lumen Hour
419473	MasterColor CDM MHC70/U/M/3K ELITE	7.6 mg	79.2 pg/lm.h
419515	MasterColor CDM MHC100/U/M/3K ELITE	12.5 mg	88.8 pg/lm.h
419523	MasterColor CDM MHC100/C/U/M/3K ELITE	12.5 mg	95.7 pg/lm.h

Operating and Electrical (1/2)

MasterColor CDM ED17 Elite

Order Code	Full Product Name	Lamp			
		Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
419473	MasterColor CDM MHC70/U/M/3K ELITE	0.91 A	110 V	88 V	95 V
419515	MasterColor CDM MHC100/U/M/3K ELITE	1.1 A	110 V	90 V	100 V

Order Code	Full Product Name	Lamp			
		Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
419523	MasterColor CDM MHC100/C/U/M 3K ELITE	1.1 A	112 V	90 V	97 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Re-Ignition Time (Min) (Max)
419473	MasterColor CDM MHC70/U/M/3K ELITE	8 min
419515	MasterColor CDM MHC100/U/M/3K ELITE	6 min

Order Code	Full Product Name	Re-Ignition Time (Min) (Max)
419523	MasterColor CDM MHC100/C/U/M 3K ELITE	6 min

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity Coordinate X (Max)	Chromaticity Coordinate X (Min)	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Max)
		419473	MasterColor CDM MHC70/U/M/3K ELITE	0.441	0.423
419515	MasterColor CDM MHC100/U/M/3K ELITE	0.456	0.438	0.447	0.406

Order Code	Full Product Name	Chromaticity Coordinate X (Max)	Chromaticity Coordinate X (Min)	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Max)
		419523	MasterColor CDM MHC100/C/U/M 3K ELITE	0.458	0.4

Light Technical (2/3)

Order Code	Full Product Name	Chromaticity Coordinate Y (Min)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Color Rendering Index (Min)	Color Rendering Index (Nom)	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens	Luminous Flux (Rated) (Min)
		419473	MasterColor CDM MHC70/U/M/3K ELITE	0.397	0.403	3000 K	84	89	100 lm/W	105 lm/W
419515	MasterColor CDM MHC100/U/M/3K ELITE	0.394	0.4	2900 K	87	90	100 lm/W	110 lm/W	8800 lm	9900 lm
419523	MasterColor CDM MHC100/C/U/M 3K ELITE	0.394	0.4	2900 K	87	90	92 lm/W	102 lm/W	8160 lm	9200 lm

Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
419473	MasterColor CDM MHC70/U/M/3K ELITE	7400 lm
419515	MasterColor CDM MHC100/U/M/3K ELITE	11000 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
419523	MasterColor CDM MHC100/C/U/M 3K ELITE	10200 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
419473	MasterColor CDM MHC70/U/M/3K ELITE	Clear
419515	MasterColor CDM MHC100/U/M/3K ELITE	Clear

Order Code	Full Product Name	Bulb Finish
419523	MasterColor CDM MHC100/C/U/M 3K ELITE	Coated glass

