



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.

MasterColor CDM ED17 Elite

Versions

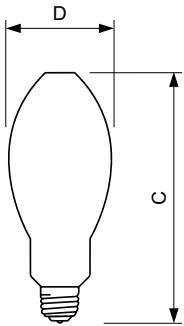


ED17 Clear Medium Elite



BD17 Medium Coated

Dimensional drawing



Product	D	C (max)
MasterColor CDM MHC100/C/U/M 3K ELITE	2.125 in	5.438 in
MasterColor CDM MHC70/U/M/3K ELITE	2.125 in	5.438 in
MasterColor CDM MHC100/U/M/3K ELITE	2.125 in	5.438 in

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	Chromaticity	Chromaticity	Chromaticity
		Coordinate X (Max)	Coordinate X (Min)	Coordinate X (Nom)	Coordinate Y (Max)
419473	MasterColor CDM MHC70/U/M/3K ELITE	0.441	0.423	0.432	0.409
419515	MasterColor CDM MHC100/U/M/3K ELITE	0.456	0.438	0.447	0.406

Order Code	Full Product Name	Chromaticity	Chromaticity	Chromaticity	Chromaticity
		Coordinate X (Max)	Coordinate X (Min)	Coordinate X (Nom)	Coordinate Y (Max)
419523	MasterColor CDM MHC100/C/U/M 3K ELITE	0.458	0.4	0.449	0.406

Light Technical (2/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Color	Color	Luminous	Luminous	Design	Luminous
		Coordinate Y (Min)	Coordinate Y (Nom)	Temperature (Nom)	Rendering Index (Min)	Rendering Index (Nom)	Efficacy (rated) (Min)	Efficacy (rated) (Nom)	Mean Lumens	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	6000 lm	6900 lm
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 (CL)
419515	MasterColor CDM MHC100/U/M/3K ELITE	Clear (CL)

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

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