



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)

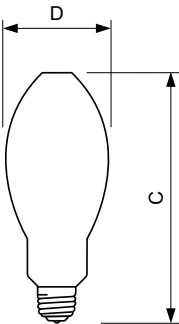
MasterColor CDM ED17 Elite

Versions



ED17 Clear Medium Elite

Dimensional drawing



Product	D	C (max)
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

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Operating and electrical	
Voltage (Max)	110 V
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
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 %
Luminous Efficacy (rated) (Min)	100 lm/W
Mechanical and housing	
Bulb Finish	Clear
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

Operating and electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (Nom)	Voltage (Min)	Voltage (Nom)	Power (Nom)
419473	MasterColor CDM MHC70/U/M/3K ELITE	0.91 A	88 V	95 V	70.4 W

Order Code	Full Product Name	Lamp			
		Current (Nom)	Voltage (Min)	Voltage (Nom)	Power (Nom)
419515	MasterColor CDM MHC100/U/M/3K ELITE	1.1 A	90 V	100 V	100.4 W

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

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

Light technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Max)	Chromaticity Coordinate X (Min)	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Max)
		(Max)	(Min)	(Nom)	(Max)
419473	MasterColor CDM MHC70/U/M/3K ELITE	0.441	0.423	0.432	0.409
419515	MasterColor CDM	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)
		(Max)	(Min)	(Nom)	(Max)
	MHC100/U/M/3K ELITE				

Light technical (2/2)

MasterColor CDM ED17 Elite

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) (Nom)	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
419473	MasterColor CDM MHC70/U/M/3K ELITE	0.397	0.403	3000 K	84	89	105 lm/W	6000 lm	6900 lm	7400 lm
419515	MasterColor CDM MHC100/U/M/3K ELITE	0.394	0.4	2900 K	87	90	110 lm/W	8800 lm	9900 lm	11000 lm

