



# Extraordinary performance, familiar shape

# MasterColor CDM ED17 Elite

MasterColor Ceramic Metal Halide ED-17 Elite lamps provide excellen 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
- $\cdot$  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)

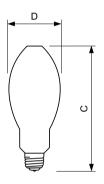
# MasterColor CDM ED17 Elite

#### 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

# MasterColor CDM ED17 Elite

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

		Mercury (Hg) Content	
Order Code	Full Product Name	(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)

		Lamp					
Order		Current	Voltage	Voltage	Power	Order	
Code	Full Product Name	(Nom)	(Min)	(Nom)	(Nom)	Code	Full Produ
419473	MasterColor CDM	0.91 A	88 V	95 V	70.4 W	419515	MasterCol
	MHC70/U/M/3K ELITE						MHC100/L

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

# 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)

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

#### Light technical (2/2)

# MasterColor CDM ED17 Elite

		Chromaticity	Chromaticity	Correlated Color	Color	Color	Luminous	Design	Luminous	Luminous
Order		Coordinate Y	Coordinate Y	Temperature	Rendering	Rendering	Efficacy (rated)	Mean	Flux (Rated)	Flux (Rated)
Code	Full Product Name	(Min)	(Nom)	(Nom)	Index (Min)	Index (Nom)	(Nom)	Lumens	(Min)	(Nom)
419473	MasterColor CDM	0.397	0.403	3000 K	84	89	105 lm/W	6000 lm	6900 lm	7400 lm
	MHC70/U/M/3K									
	ELITE									
419515	MasterColor CDM	0.394	0.4	2900 K	87	90	110 lm/W	8800 lm	9900 lm	11000 lm
	MHC100/U/M/3K									
	ELITE									



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