



# Enhanced performance, familiar shape

## MasterColor CDM ED17 Elite 4200K

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

### 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.

### Application

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

# MasterColor CDM ED17 Elite 4200K

## Versions

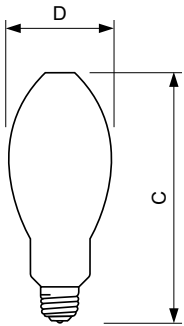


BD17, Med, CL, Elite



BD17 Medium Coated

## Dimensional drawing



Product	D	C (max)
MHC100/C/U/M/4K ELITE	2.125 in	5.438 in
MHC100/U/M/4K ELITE	2.125 in	5.438 in
MHC50/U/M/4K ELITE	2.125 in	5.438 in
MHC70/U/M/4K ELITE	2.125 in	5.438 in
MHC70/C/U/M/4K ELITE	2.125 in	5.438 in

### General Information

Cap-Base	E26
Life To 50% Failures (Nom)	20000 h
Main Application	General Lighting (G)
Operating Position	Universal

### Luminaire Design Requirements

Bulb Temperature (Max)	400 °C
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### Light Technical

Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4200 K
Lumen Maintenance - 10% Life	90 %
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
429928	MHC50/U/M/4K ELITE	5.4 mg	74 pg/lm.h
429902	MHC70/U/M/4K ELITE	7.1 mg	71 pg/lm.h
429886	MHC100/U/M/4K ELITE	9.9 mg	64 pg/lm.h
429910	MHC70/C/U/M/4K ELITE	7.1 mg	76 pg/lm.h
429894	MHC100/C/U/M/4K ELITE	9.9 mg	68 pg/lm.h

## Operating and Electrical (1/2)

# MasterColor CDM ED17 Elite 4200K

Order Code	Full Product Name	Lamp			
		Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
429928	MHC50/U/M/4K ELITE	0.68 A	95 V	80 V	85 V
429902	MHC70/U/M/4K ELITE	0.91 A	110 V	90 V	95 V
429886	MHC100/U/M/4K ELITE	1.1 A	108 V	91 V	98 V

Order Code	Full Product Name	Lamp			
		Current (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
429910	MHC70/C/U/M/4K ELITE	0.91 A	110 V	90 V	95 V
429894	MHC100/C/U/M/4K ELITE	1.1 A	108 V	91 V	98 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Re-Ignition Time (Min) (Max)
429928	MHC50/U/M/4K ELITE	8 min
429902	MHC70/U/M/4K ELITE	8 min
429886	MHC100/U/M/4K ELITE	6 min

Order Code	Full Product Name	Re-Ignition Time (Min) (Max)
429910	MHC70/C/U/M/4K ELITE	8 min
429894	MHC100/C/U/M/4K 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)
429928	MHC50/U/M/4K ELITE	0.380	0.365	0.371	0.375
429902	MHC70/U/M/4K ELITE	0.379	0.361	0.37	0.366
429886	MHC100/U/M/4K ELITE	0.388	0.370	0.379	0.377

Order Code	Full Product Name	Chromaticity	Chromaticity	Chromaticity	Chromaticity
		Coordinate X (Max)	Coordinate X (Min)	Coordinate X (Nom)	Coordinate Y (Max)
429910	MHC70/C/U/M/4K ELITE	0.379	0.361	0.370	0.368
429894	MHC100/C/U/M/4K ELITE	0.458	0.440	0.449	0.406

## Light Technical (2/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color		Color	Luminous	Luminous	Design Mean Lumens	Luminous Flux (Rated) (Min)
		Coordinate Y (Min)	Coordinate Y (Nom)	Color Code	Color Rendering Index (Min)	Color Rendering Index (Nom)	Efficacy (rated) (Min)	Efficacy (rated) (Nom)		
429928	MHC50/U/M/4K ELITE	0.363	0.369	842	87	90	90 lm/W	95 lm/W	3800 lm	4500 lm
429902	MHC70/U/M/4K ELITE	0.354	0.360	842	85	88	90 lm/W	95 lm/W	5280 lm	6120 lm
429886	MHC100/U/M/4K ELITE	0.365	0.371	942	87	90	96 lm/W	100 lm/W	8000 lm	9000 lm
429910	MHC70/C/U/M/4K ELITE	0.356	0.362	842	85	88	84 lm/W	89 lm/W	4960 lm	5600 lm
429894	MHC100/C/U/M/4K ELITE	0.394	0.400	942	87	90	91 lm/W	95 lm/W	7600 lm	8600 lm

## Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
429928	MHC50/U/M/4K ELITE	5000 lm
429902	MHC70/U/M/4K ELITE	6800 lm
429886	MHC100/U/M/4K ELITE	10000 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
429910	MHC70/C/U/M/4K ELITE	6200 lm
429894	MHC100/C/U/M/4K ELITE	9500 lm

# MasterColor CDM ED17 Elite 4200K

## Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
429928	MHC50/U/M/4K ELITE	CL
429902	MHC70/U/M/4K ELITE	CL
429886	MHC100/U/M/4K ELITE	CL

Order Code	Full Product Name	Bulb Finish
429910	MHC70/C/U/M/4K ELITE	CO
429894	MHC100/C/U/M/4K ELITE	CO

