



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)

Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope or 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)

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Related products

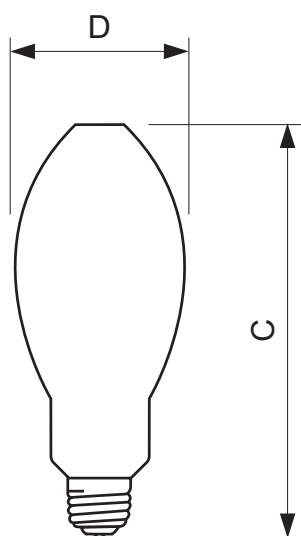


ED17 Clear Medium Elite



BD17 Medium Coated

Dimensional drawing



MasterColor CDM 100W/930 BD17 CL ELITE

Product	C (Max)	D (Norm)
MHC 100W/930 E26 BD17 CL U ELITE	5.438	2.125
MHC 100W/930 E26 BD17 CO U ELITE	5.438	2.125

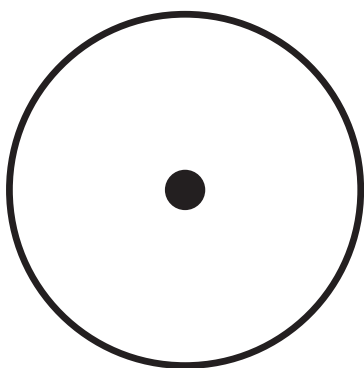
General Characteristics

Product number	Full product name	Base	Bulb	Bulb Material	Bulb Finish	Operating Position	Main Application	RatedAvgLife(See Family Notes)
419515	MasterColor CDM 100W/930 BD17 CL ELITE	Medium	BD17	Hard Glass	Clear	Universal	General Lighting	16000 hr
419523	MasterColor CDM 100W/930 BD17 CO ELITE	Medium	BD17	Hard Glass	Coated	Universal	General Lighting	16000 hr

Installation diagrams



E26



any

Light Technical Characteristics (1/2)

Product number	Full product name	Color Code	Color Rendering Index	Color Designation	Color Temperature	Initial Lumens	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lumen Maintenance - 40% life	Design Mean Lumens	Chromaticity Coordinate X
419515	MasterColor CDM 100W/930 BD17 CL ELITE	930	87 (min), 90 (nom) Ra8	Warm White	2900 K	11000 Lm	%	%	80 %	8800 Lm	0.438 (min), 0.447 (nom), 0.456 (max) -
419523	MasterColor CDM 100W/930 BD17 CO ELITE	930	87 (min), 90 (nom) Ra8	Warm White	2900 K	10200 Lm	%	%	80 %	8160 Lm	0.4 (min), 0.449 (nom), 0.458 (max) -

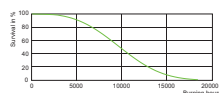
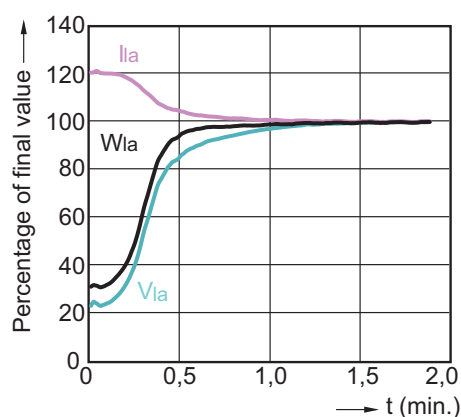
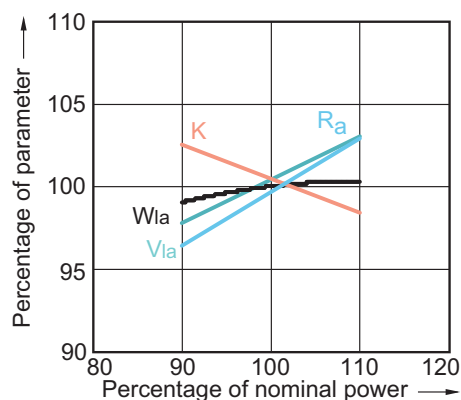
Light Technical Characteristics (2/2)

Product number	Full product name	Chromaticity Coordinate Y
419515	MasterColor CDM 100W/930 BD17 CL ELITE	0.394 (min), 0.4 (nom), 0.406 (max) -
419523	MasterColor CDM 100W/930 BD17 CO ELITE	0.394 (min), 0.4 (nom), 0.406 (max) -

Electrical Characteristics

Product number	Full product name	Watts	Lamp Voltage	Lamp Current
419515	MasterColor CDM 100W/930 BD17 CL ELITE	100 W	100 V	1.1 A
419523	MasterColor CDM 100W/930 BD17 CO ELITE	100 W	97 V	1.1 A

Performance diagrams



Environmental Characteristics

Product number	Full product name	Mercury (Hg) Content	Picogram per Lumen Hour
419515	MasterColor CDM 100W/930 BD17 CL ELITE	12.5 (max) mg	88.8 p/LuHr
419523	MasterColor CDM 100W/930 BD17 CO ELITE	12.5 (max) mg	95.7 p/LuHr

Luminaire Design Requirements

Product number	Full product name	Cap-Base Temperature	Bulb Temperature
419515	MasterColor CDM 100W/930 BD17 CL ELITE	190 (max) C	400 (max) C
419523	MasterColor CDM 100W/930 BD17 CO ELITE	190 (max) C	400 (max) C



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