



MasterColor CDM ED17 Elite 4200K

MasterColor CDM 50W BD17 CL U ELITE/4K

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.

Product data

• General Characteristics

Base	Medium [Single Contact Medium Screw]
Base Information	Brass [Brass Base]
Bulb	BD17
Bulb Material	Hard Glass
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	20000 hr

Lamp Voltage	85 V
Lamp Current	0.68 A
Ignition Time	30 (max) s
Re-ignition Time [min]	8 (max) min

• Environmental Characteristics

Mercury (Hg) Content	5.4 (max) mg
Picogram per Lumen Hour	74 p/LuHr

• Light Technical Characteristics

Color Code	842 [CCT of 4200K]
Color Rendering Index	87 (min), 90 (nom) Ra8
Color Designation	Cool White
Color Temperature	4200 K
Color Temperature technical	4400 K
Initial Lumens	5000 Lm
Luminous Efficacy	95 Lm/W
Lamp EM	
Lumen Maintenance - 10% life	90 %
Lumen Maintenance - 40% life	80 %
Design Mean Lumens	3800 Lm
Chromaticity Coordinate X	0.365 (min), 0.371 (nom), 0.380 (max)
Chromaticity Coordinate Y	0.363 (min), 0.369 (nom), 0.375 (max)

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.66 - 65 h500lx
UV A	50 mW/cm ²
UV B	0.2 mW/cm ²
UV C	0 mW/cm ²

• Luminaire Design Requirements

Cap-Base Temperature	190 (max) C
Bulb Temperature	400 (max) C

• Product Dimensions

Light Center Length L	3.44 in
Max Overall Length (MOL) - C	5.438 (max) in
Diameter D	2.125 in

• Electrical Characteristics

Watts	50 W
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Product Data

Product number 429928
 Full product name MasterColor CDM 50W BD17 CL U ELITE/4K
 Short product name MHC50/U/M/4K ELITE
 Pieces per Sku 1

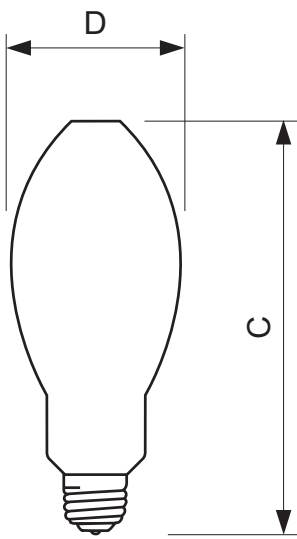
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Warnings and Safety

- 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)

Dimensional drawing



E26

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Product	C (Max)	D (Norm)
MHC 50W/842 E26 BD17 CL U ELITE	5.438	2.125



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data subject to change