

# MasterColor CDM ED17 Elite

MasterColor CDM 50W BD17 CO U 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.



## Product data

### • General Characteristics

Base	Medium [Single Contact Medium Screw]
Base Information	Brass [Brass Base]
Bulb	BD17
Bulb Material	Hard Glass
Bulb Finish	Coated
Operating Position	Universal [Any or Universal (U)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	16000 hr

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	84 (min), 89 (nom) Ra8
Color Designation	Warm White
Color Temperature	3150 K
Color Temperature technical	3150 K
Initial Lumens	5100 Lm
Luminous Efficacy	102 Lm/W
Lamp EM	
Lumen Maintenance - 10% life	95 %
Lumen Maintenance - 40% life	80 %
Design Mean Lumens	4100 Lm
Chromaticity Coordinate X	0.421 (min), 0.43 (nom), 0.439 (max)
Chromaticity Coordinate Y	0.404 (min), 0.41 (nom), 0.416 (max)

### • Electrical Characteristics

Watts	50 W
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Lamp Voltage	88 V
Lamp Current	0.68 A
Ignition Time	30 (max) s
Re-ignition Time [min]	8 (max) min

### • Environmental Characteristics

Mercury (Hg) Content	6.4 (max) mg
Picogram per Lumen Hour	97.6 p/LuHr

### • UV-related Characteristics

Damage Factor D/fc	0.27 -
PET (NIOSH)	285 h500lx
UV A	9.26 mW/cm <sup>2</sup>
UV B	0.04 mW/cm <sup>2</sup>
UV C	0.0 mW/cm <sup>2</sup>

### • Luminaire Design Requirements

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

### • Product Dimensions

Max Overall Length (MOL) - C	5.438 (max) in
Diameter D	2.125 in

### • Product Data

Product number	419507
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# MasterColor CDM ED17 Elite

Full product name MasterColor CDM 50W BD17 CO U ELITE  
 Short product name MHC50/C/U/M/3K ELITE  
 Pieces per Sku 1  
 eop\_pck\_cfg 12

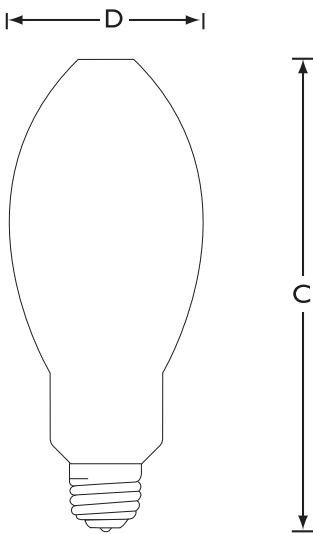
Skus/Case 12  
 Bar code on pack 46677419509  
 Bar code on case 50046677419504  
 Logistics code(s) 928601173201  
 eop\_net\_weight\_pp 0.001 kg

## 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

## MasterColor CDM 50W BD17 CO U ELITE

Product	C (Max)	D (Norm)
MHC 50W/830 E26 BD17 CO U ELITE	5.438	2.125



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2013, May 13  
data subject to change