



# MasterColor® CDM ED17 Elite

MasterColor CDM 100W BD17 CL 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	Clear
Operating Position	Universal [Any or Universal (U)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	16000 hr

Lamp Voltage	100 V
Lamp Current	1.1 A
Ignition Time	30 (max) s
Re-ignition Time [min]	6 (max) min

### • Environmental Characteristics

Mercury (Hg) Content	12.5 (max) mg
Picogram per Lumen Hour	88.8 p/LuHr

### • Light Technical Characteristics

Color Code	930 [CCT of 3000K]
Color Rendering Index	80 (min), 90 (nom) Ra8
Color Designation	Warm White
Color Temperature	2900 K
Color Temperature technical	2900 K
Chromaticity Coordinate X	0.433 (min), 0.442 (nom), 0.451 (max)
Chromaticity Coordinate Y	0.395 (min), 0.401 (nom), 0.407 (max)
Initial Lumens	11000 Lm
Luminous Efficacy	110 Lm/W
Lamp EM	
Design Mean Lumens	8800 Lm
Lumen Maintenance - 40% life	80 %
Lumen Maintenance - 10% life	95 %

### • UV-related Characteristics

Damage Factor D/fc	0.22 -
PET (NIOSH)	433 h500lx
UV A	7.37 mW/cm <sup>2</sup>
UV B	0.02 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

Light Center Length L	3.438 in
Max Overall Length (MOL) - C	5.438 (max) in
Diameter D	2.125 in

### • Electrical Characteristics

Watts	100 W
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## • Product Data

Product number 419515  
Full product name MasterColor CDM 100W BD17 CL  
U ELITE  
Short product name MHC100/U/M/3K ELITE  
Pieces per Sku 1

eop\_pck\_cfg 12  
Skus/Case 12  
Bar code on pack 46677419516  
Bar code on case 50046677419511  
Logistics code(s) 928601173501  
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)



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data subject to change