



MasterColor CDM ED17 Elite 4200K

MasterColor CDM 100W BD17 CO 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	Coated
Operating Position	Universal [Any or Universal (U)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	20000 hr

Lamp Voltage	98 V
Lamp Current	1.1 A
Ignition Time	30 (max) s
Re-ignition Time [min]	6 (max) min

• Environmental Characteristics

Mercury (Hg) Content	9.9 (max) mg
Picogram per Lumen Hour	68 p/LuHr

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Rendering Index	87 (min), 90 (nom) Ra8
Color Designation	Cool White
Color Temperature	4200 K
Color Temperature technical	4100 K
Initial Lumens	9500 Lm
Luminous Efficacy	95 Lm/W
Lamp EM	
Lumen Maintenance - 10% life	90 %
Lumen Maintenance - 40% life	80 %
Design Mean Lumens	7600 Lm
Chromaticity Coordinate X	0.440 (min), 0.449 (nom), 0.458 (max)
Chromaticity Coordinate Y	0.394 (min), 0.400 (nom), 0.406 (max)

• UV-related Characteristics

Damage Factor D/fc	0.45 -
PET (NIOSH)	231 h500lx
UV A	17 mW/cm ²
UV B	0 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

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

• Product Data

Product number	429894
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• Electrical Characteristics

Watts	100 W
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PHILIPS

MasterColor CDM ED17 Elite 4200K

Full product name MasterColor CDM 100W BD17 CO
U ELITE/4K
Short product name MHC100/C/U/M/4K ELITE
Pieces per Sku 1
eop_pck_cfg 12

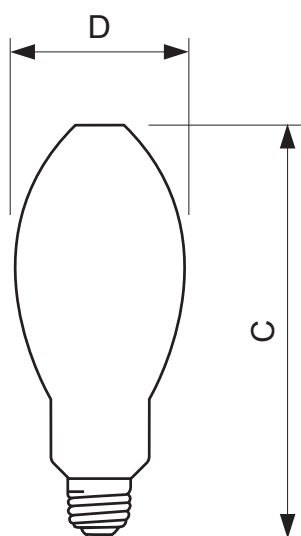
Skus/Case 12
Bar code on pack 46677429898
Bar code on case 50046677429893
Logistics code(s) 928601177701
eop_net_weight_pp 0.001 kg

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 100W BD17 CO U ELITE/4K

Product	C (Max)	D (Norm)
MHC 100W/942 E26 BD17 CO U ELITE	5.438	2.125



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data subject to change