

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

• Electrical Characteristics

Watts	100 W
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• Product Data

Product number	429894
Product number (full)	429894

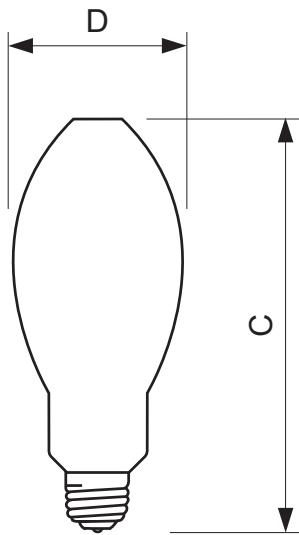
PHILIPS

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

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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2014, August 2
data subject to change