

MasterColor CDM ED17 Elite

MasterColor CDM 100W 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

Lamp Voltage	97 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	95.7 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
Initial Lumens	10200 Lm
Luminous Efficacy	102 Lm/W
Lamp EM	
Lumen Maintenance - 10% life	95 %
Lumen Maintenance - 40% life	80 %
Design Mean Lumens	8160 Lm
Chromaticity Coordinate X	0.434 (min), 0.443 (nom), 0.452 (max)
Chromaticity Coordinate Y	0.398 (min), 0.404 (nom), 0.41 (max)

• UV-related Characteristics

Damage Factor D/fc	0.22 -
PET (NIOSH)	433 h500lx
UV A	7.37 mW/cm ²
UV B	0.02 mW/cm ²
UV C	0.0 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	419523
----------------	--------

• Electrical Characteristics

Watts	100 W
-------	-------

MasterColor CDM ED17 Elite

Full product name MasterColor CDM 100W BD17 CO
U ELITE
Short product name MHC100/C/U/M 3K ELITE
Pieces per Sku 1
eop_pck_cfg 12

Skus/Case 12
Bar code on pack 46677419523
Bar code on case 50046677419528
Logistics code(s) 928601173601
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

MasterColor CDM 100W BD17 CO U ELITE

Product	C (Max)	D (Norm)
MHC 100W/930 E26 BD17 CO U ELITE	5.438	2.125



© 2012 Koninklijke Philips Electronics N.V.
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

www.philips.com/lighting

2012, December 15
data subject to change