



MasterColor CDM ED17 Elite

MasterColor CDM 50W ED17 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	ED17
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	95 V
Lamp Current	0.59 A
Ignition Time	10 (max) s
Re-ignition Time [min]	8 (max) min

• Environmental Characteristics

Mercury (Hg) Content	6.6 (max) mg
Picogram per Lumen Hour	103.9 p/LuHr

• Light Technical Characteristics

Color Code	930 [CCT of 3000K]
Color Rendering Index	86 (min), 90 (nom) Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	3000 K
Initial Lumens	4800 Lm
Luminous Efficacy	96 Lm/W
Lamp EM	
Lumen Maintenance - 10% life	95 %
Lumen Maintenance - 40% life	90 %
Design Mean Lumens	8160 Lm
Chromaticity Coordinate X	0.431 (min), 0.440 (nom), 0.449 (max)
Chromaticity Coordinate Y	0.394 (min), 0.400 (nom), 0.406 (max)

• UV-related Characteristics

Damage Factor D/fc	0.13 -
PET (NIOSH)	982 h500lx
UV A	3.5 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

Light Center Length L	3.39 in
Max Overall Length (MOL) - C	5.438 (max) in
Diameter D	2.125 in

• Electrical Characteristics

Watts	50 W
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sense and simplicity

MasterColor CDM ED17 Elite

• Footnotes

Footnotes HID 902 [Exclusive to Philips Lighting Company.]

• Product Data

Product number 423681
Full product name MasterColor CDM 50W ED17 U ELITE

Short product name MHC50/U/MP/3K ELITE
Pieces per Sku 1
Skus/Case 12
Bar code on pack 46677423681
Bar code on case 50046677423686
Logistics code(s) 928601173701
eop_net_weight_pp 0.001 kg

Warnings and Safety

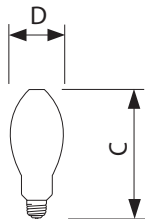
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will

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 50W ED17 U ELITE

Product	C (Max)	D (Norm)
MHC 50W/930 E26 ED17 CL U ELITE	5.438	2.125



E26



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data subject to change