



MasterColor CDM ED17 Protected Elite 4200K

MasterColor CDM 100W ED17P CL U ELITE/4K

MasterColor Elite Protected Ceramic Metal Halide ED-17 4200K
Lamps provide excellent lumen maintenance and outstanding performance over time in a protected lamp.

Product data

• General Characteristics

Base	Medium [Single Contact Medium Screw]
Base Information	Brass [Brass Base]
Bulb	ED17P [Protected]
Bulb Material	Hard Glass
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	20000 hr

Lamp Voltage	103 V
Lamp Current	1.1 A
Ignition Time	10 (max) s
Re-ignition Time [min]	10 (max) min

• Environmental Characteristics

Mercury (Hg) Content	10.3 (max) mg
Picogram per Lumen Hour	68 p/LuHr

• Light Technical Characteristics

Color Code	940 [CCT of 4000K]
Color Rendering Index	87 (min), 90 (nom) Ra8
Color Designation	Cool White
Color Temperature	4000 K
Color Temperature technical	4000 K
Initial Lumens	9400 Lm
Luminous Efficacy Lamp	94 Lm/W
Lumen Maintenance - 10% life	90 %
Lumen Maintenance - 40% life	80 %
Design Mean Lumens	7520 Lm
Chromaticity Coordinate X	0.373 (min), 0.382 (nom), 0.391 (max)
Chromaticity Coordinate Y	0.362 (min), 0.371 (nom), 0.377 (max)

• UV-related Characteristics

Damage Factor D/fc	0.28 -
PET (NIOSH)	387 h500lx
UV A	9.1 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	3.44 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 429936
 Full product name MasterColor CDM 100W ED17P CL U ELITE/4K
 Short product name MHC100/U/MP/4K ELITE
 Pieces per Sku 1

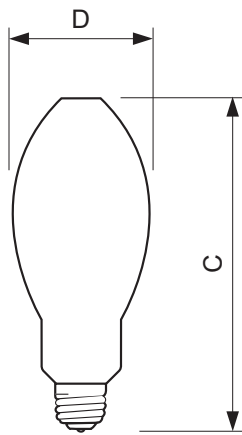
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Warnings and Safety

- 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



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Product	C (Max)	D (Norm)
MHC P 100W/940 E26 ED17P CL U ELITE	5.438	2.125



E26



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data subject to change