

# MasterColor CDM ED17 Protected

MasterColor CDM 50W/930 P CL U ELITE

Direct retrofit with immediate energy savings! Range of protected, high-efficiency long life ceramic metal halide lamps with a stable color over lifetime and a crisp, sparkling light to be used in open fixtures.



## 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)	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	87 (min), 90 (nom) Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	3000 K
Initial Lumens	4800 Lm
Luminous Efficacy Lamp	96 Lm/W
Lumen Maintenance - 10% life	95 %
Lumen Maintenance - 40% life	90 %
Design Mean Lumens	4300 Lm
Chromaticity Coordinate X	0.426 (min), 0.435 (nom), 0.444 (max)
Chromaticity Coordinate Y	0.387 (min), 0.393 (nom), 0.399 (max)

### • UV-related Characteristics

Damage Factor D/fc	0.13 -
PET (NIOSH)	982 h500lx
UV A	3.6 mW/cm <sup>2</sup>
UV B	0 mW/cm <sup>2</sup>
UV C	0 mW/cm <sup>2</sup>

### • 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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**PHILIPS**

• Footnotes

Footnotes HID 902 [Exclusive to Philips Lighting Company.]

• Product Data

Product number 423681  
 Full product name MasterColor CDM 50W/930 P CL U ELITE

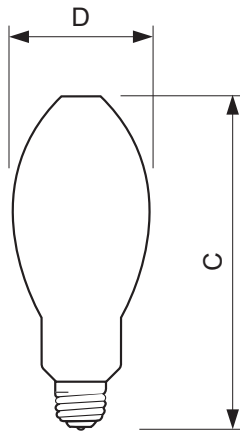
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Warnings and Safety

- 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



MasterColor CDM 50W/930 P CL U ELITE

Product	C (Max)	D (Norm)
MHC P 50W/930 E26 ED17P CL U ELITE	5.438	2.125



E26



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data subject to change