



MasterColor® CDM ED17 Protected

MasterColor CDM 50W/940 Med ED17P CL ALTO+FB

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)	20000 hr

• Light Technical Characteristics

Color Code	940 [CCT of 4000K]
Color Rendering Index	88 (min), 92 (nom) Ra8
Color Designation	Deluxe Cool White
Color Temperature	4000 K
Color Temperature technical	3800 (min), 4000 (nom), 4200 (max) K
Chromaticity Coordinate X	381 (min), 390 (nom), 399 (max) -
Chromaticity Coordinate Y	371 (min), 377 (nom), 383 (max) -
Initial Lumens	3600 Lm
Luminous Efficacy Lamp	72 Lm/W
Lumen Maintenance 2000h	78 %
Lumen Maintenance 5000h	69 %
Design Mean Lumens	2450 Lm

• Electrical Characteristics

Watts	50 W
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Lamp Voltage	100 V
Lamp Current	0.59 A
Ignition Time	10 (max) s
Ignition Supply Voltage	235 V
Re-ignition Time [min]	8 (max) min

• Environmental Characteristics

Mercury (Hg) Content	5.8 (max) mg
Picogram per Lumen Hour	123.9 p/LuHr

• UV-related Characteristics

Damage Factor D/fc	.47 -
PET (NIOSH)	168.6 h500lx
UV A	17.32 mW/cm ²
UV B	0.08 mW/cm ²
UV C	0.004 mW/cm ²

• Luminaire Design Requirements

Cap-Base Temperature	190 (max) C
Bulb Temperature	400 (max) C

• Product Dimensions

Light Center Length L	3.438 in
Max Overall Length (MOL) - C	5.438 (max) in
Diameter D	2.125 in

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sense and simplicity

• Footnotes

Footnotes HID 902 [Exclusive to Philips Lighting Company.]

• Product Data

Product number 368936
 Full product name MasterColor CDM 50W/940 Med ED17P CL ALTO+FB

Short product name CDM 50W/940 Med ED17P CL ALTO+FB
 Pieces per Sku 1
 eop_pck_cfg 12
 Skus/Case 12
 Bar code on pack 46677368937
 Bar code on case 50046677368932
 Logistics code(s) 928601137201
 eop_net_weight_pp 0.001 kg

Warnings and Safety

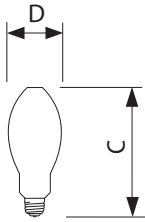
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will

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

E26, ED-17P

Product	C (Max)	D (Norm)
MHC P 50W/940 E26 ED17P U ALTO+FB	5.438	2.125



E26



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www.philips.com/lighting

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data subject to change