

# MasterColor® CDM ED17 Standard

MasterColor CDM 100W/940 Med ED17 CO ALTO

Energy savings without changing a ballast! A high-efficiency enclosed E-rated CDM lighting solution that provides energy savings without compromising light quality.



## Product data

### • General Characteristics

Base	Medium [Single Contact Medium Screw]
Base Information	Brass [Brass Base]
Bulb	ED17
Bulb Material	Hard Glass
Bulb Finish	Coated
Operating Position	Universal [Any or Universal (U)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	20000 hr

Lamp Voltage	100 V
Lamp Current	1.1 A
Ignition Time	10 (max) s
Re-ignition Time [min]	10 (max) min

### • Environmental Characteristics

Mercury (Hg) Content	6.1 (max) mg
Picogram per Lumen Hour	47.8 p/LuHr

### • Light Technical Characteristics

Color Code	940 [CCT of 4000K]
Color Rendering Index	92 Ra8
Color Designation	Deluxe Cool White
Color Temperature	4000 K
Color Temperature technical	3700 (min), 3900 (nom), 4100 (max) K
Chromaticity Coordinate X	371 (min), 377 (nom), 383 (max) -
Chromaticity Coordinate Y	369 (min), 375 (nom), 381 (max) -
Initial Lumens	8400 Lm
Luminous Efficacy	84 Lm/W
Lamp EM	
Lumen Maintenance 2000h	91 %
Lumen Maintenance 5000h	82 %
Design Mean Lumens	6300 Lm

### • UV-related Characteristics

Damage Factor D/fc	0.41 -
PET (NIOSH)	286.7 h500lx
UV A	14.8 mW/cm <sup>2</sup>
UV B	0.024 mW/cm <sup>2</sup>
UV C	0.006 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	3.438 in
Max Overall Length (MOL) - C	5.438 (max) in
Diameter D	2.125 in

### • Electrical Characteristics

Watts	100 W
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**PHILIPS**  
sense and simplicity

• Footnotes

Footnotes HID 902 [Exclusive to Philips Lighting Company.]

• Product Data

Product number 281360  
 Full product name MasterColor CDM 100W/940 Med ED17 CO ALTO

Short product name CDM 100W/940 Med ED17 CO ALTO  
 Pieces per Sku 1  
 eop\_pck\_cfg 12  
 Skus/Case 12  
 Bar code on pack 46677281366  
 Bar code on case 50046677281361  
 Logistics code(s) 928601137901  
 eop\_net\_weight\_pp 0.044 kg

## Warnings and Safety

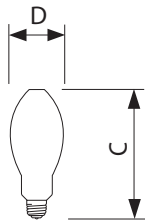
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will

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-17

Product	C (Max)	D (Norm)
MHC 100W/940 E26 ED17 CO U ALTO	5.438	2.125



E26



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data subject to change