



# MasterColor® CDM ED17 Protected

MasterColor CDM 100W/830 Med ED17P CO 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	Coated
Operating Position	Universal [Any or Universal (U)]
Main Application	General Lighting
RatedAvgLife(See Family Notes)	16000 hr

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	80 (min), 85 (nom) Ra8
Color Designation	Warm White
Color Temperature	3000 K
Color Temperature technical	2800 (min), 3000 (nom), 3200 (max) K
Chromaticity Coordinate X	.421 (min), .430 (nom), .439 (max) -
Chromaticity Coordinate Y	.386 (min), .392 (nom), .398 (max) -
Initial Lumens	7900 Lm
Luminous Efficacy Lamp	79 Lm/W
Lumen Maintenance 2000h	87 %
Lumen Maintenance 5000h	78 %
Design Mean Lumens	5925 Lm

### • Electrical Characteristics

Watts	100 W
-------	-------

Lamp Voltage	101 V
Lamp Current	1.1 A
Ignition Time	10 (max) s
Ignition Supply Voltage	235 V
Re-ignition Time [min]	10 (max) min

### • Environmental Characteristics

Mercury (Hg) Content	5.8 (max) mg
----------------------	--------------

### • UV-related Characteristics

PET (NIOSH)	681 h.klx
Damage Factor D/fc	.141 -

### • 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

### • Product Data

Product number	234443
Full product name	MasterColor CDM 100W/830 Med ED17P CO ALTO+FB



# PHILIPS

sense and simplicity

Short product name CDM 100W/830 Med ED17P CO  
ALTO+FB  
Pieces per Sku 1  
eop\_pck\_cfg 12  
Skus/Case 12

Bar code on pack 46677234447  
Bar code on case 50046677234442  
Logistics code(s) 928601137701  
eop\_net\_weight\_pp 0.001 kg

Warnings and Safety

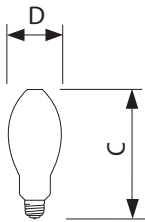
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will

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 100W/830 E26 ED17P CO U ALTO+FB	5.438	2.125



E26