



# MasterColor CDM ED17 Protected

# MHC100/C/U/MP/3K 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 Information		
Base	E26 [ Single Contact Medium Screw]	
Operating Position	Universal [ Universal]	
Main Application	General and Street Lighting	
Life to 50% Failures (Nom)	16000 h	
ANSI Code HID	C90/O	
Features	ELITE	
Footnotes HID 1	Exclusive to Philips Lighting Company.	
Light Technical		
Color Code	930 [ CCT of 3000K]	
Luminous Flux (Rated) (Min)	8300 lm	
Luminous Flux (Rated) (Nom)	9200 lm	
Color Designation	Warm White (WW)	
Lumen Maintenance - 40% Life	90 %	
Lumen Maintenance - 10% Life	95 %	
Design Mean Lumens	8700 lm	
Chromaticity Coordinate X (Max)	0.447	
Chromaticity Coordinate X (Min)	0.429	
Chromaticity Coordinate X (Nom)	0.438	
Chromaticity Coordinate Y (Max)	0.409	

Chromaticity Coordinate Y (Min)	0.397	
Chromaticity Coordinate Y (Nom)	0.403	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (Rated) (Min)	86 lm/W	
Luminous Efficacy (rated) (Nom)	92 lm/W	
Color Rendering Index (Min)	87	
Color Rendering Index (Nom)	90	
Operating and Electrical		
Lamp Current (Nom)	1.1 A	
Ignition Supply Voltage (Min)	235 V	
Re-Ignition Time (Min) (Max)	10 min	
Ignition Time (Max)	10 s	
Voltage (Max)	115 V	
Voltage (Min)	87 V	
Voltage (Nom)	101 V	
Mechanical and Housing		
Bulb Finish	Coated glass	
Cap-Base Information	Brass [ Brass Cap]	

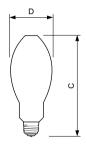
Datasheet, 2020, April 1 data subject to change

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Bulb Material	Hard Glass
Approval and Application	
Picogram Per Lumen Hour	79 pg/lm.h
Mercury (Hg) Content (Max)	10.1 mg
UV	
Pet (Niosh) (Nom)	1542 h/500lx
Damage Factor D/fc (Nom)	0.12
Luminaire Design Requirements	
Bulb Temperature (Max)	400 °C

Cap-Base Temperature (Max)	190 °C	
Product Data		
Order product name	MHC100/C/U/MP/3K ELITE	
EAN/UPC - Product	046677423711	
Order code	423715	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	12	
Material Nr. (12NC)	928601174101	
Net Weight (Piece)	0.001 kg	

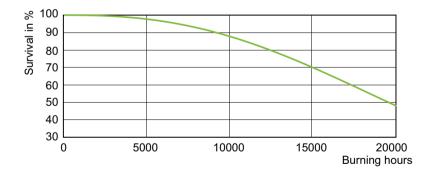
# Dimensional drawing



Product	D	C (max)
MHC100/C/U/MP/3K ELITE	2.125 in	5.438 in

### MHC P 100W/930 E26 ED17P CO U ELITE

### Lifetime



LDLE\_D-MHC-P\_0005-Life expectancy diagram

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