



# 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.

### 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)

### Product data

General Information	
Cap-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

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## 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 Base]
Bulb Material	Hard Glass
Bulb Shape	ED17P [ ED17P]

## 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

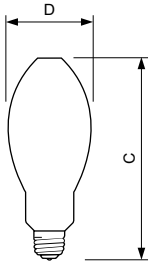
## Luminaire Design Requirements

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

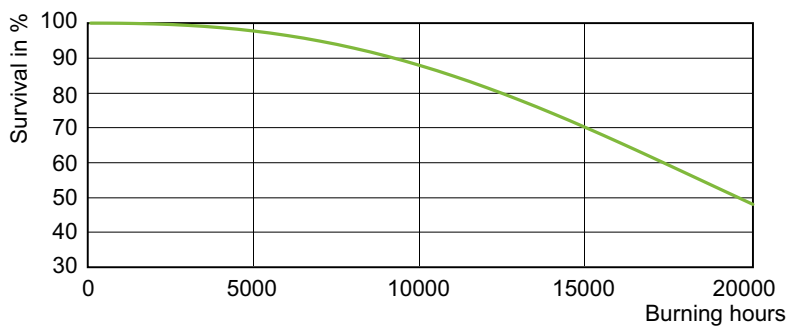
## Dimensional drawing



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



MHC P 100W /930 ED17P

