

PHILIPS

Lighting



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	
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

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]

MasterColor CDM ED17 Protected

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
------------------------	--------

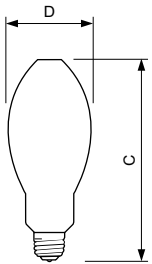
Cap-Base Temperature (Max)	190 °C
----------------------------	--------

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

Warnings and Safety

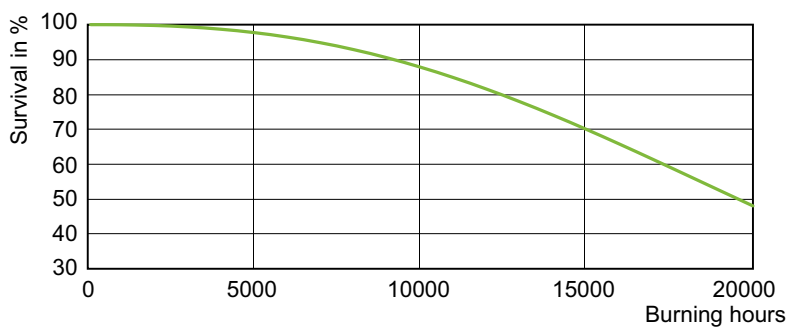
Dimensional drawing



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

