



MasterColor CDM ED17 Protected

MHC100/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)
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

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)	9000 lm
Luminous Flux (Rated) (Nom)	10000 lm
Color Designation	Warm White (WW)

Lumen Maintenance - 40% Life	90 %
Lumen Maintenance - 10% Life	95 %
Design Mean Lumens	9500 lm
Chromaticity Coordinate X (Max)	0.443
Chromaticity Coordinate X (Min)	0.425
Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Max)	0.407
Chromaticity Coordinate Y (Min)	0.395
Chromaticity Coordinate Y (Nom)	0.401
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (Rated) (Min)	94 lm/W
Luminous Efficacy (rated) (Nom)	100 lm/W
Color Rendering Index (Min)	87

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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	Clear
Cap-Base Information	Brass [Brass Cap]
Bulb Material	Hard Glass
Bulb Shape	ED17P [ED17P]

Approval and Application

Picogram Per Lumen Hour	72.4 pg/lm.h
Mercury (Hg) Content (Max)	10.1 mg

UV

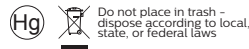
Pet (Niosh) (Nom)	1542 h/500lx
Damage Factor D/fc (Nom)	0.12

Luminaire Design Requirements

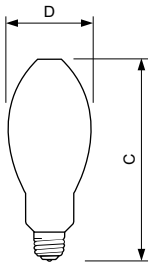
Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	190 °C

Product Data

Order product name	MHC100/U/MP/3K ELITE
EAN/UPC - Product	046677423674
Order code	423673
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601174001
Net Weight (Piece)	0.001 kg



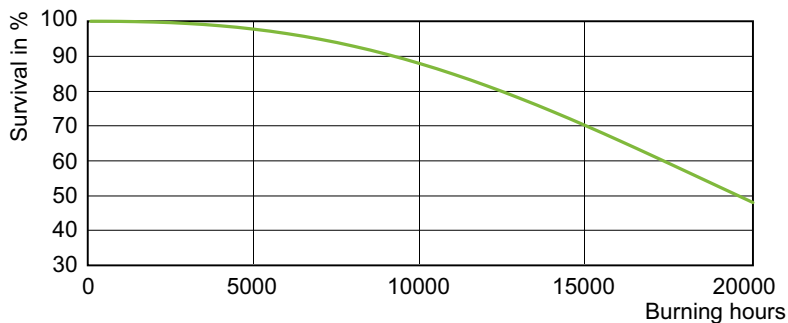
Dimensional drawing



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

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Lifetime



LDLE_D-MHC-P_0005-Life expectancy diagram

