



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		Lumen Maintenance - 40% Life	
Base	E26 [Single Contact Medium Screw]	Lumen Maintenance - 10% Life	90 %
Operating Position	Universal [Universal]	Design Mean Lumens	95 %
Main Application	General and Street Lighting	Chromaticity Coordinate X (Max)	9500 lm
Life to 50% Failures (Nom)	16000 h	Chromaticity Coordinate X (Min)	0.443
ANSI Code HID	C90/O	Chromaticity Coordinate X (Nom)	0.425
Features	ELITE	Chromaticity Coordinate X (Max)	0.434
Footnotes HID 1	Exclusive to Philips Lighting Company.	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

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

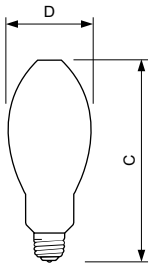
Luminaire Design Requirements

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

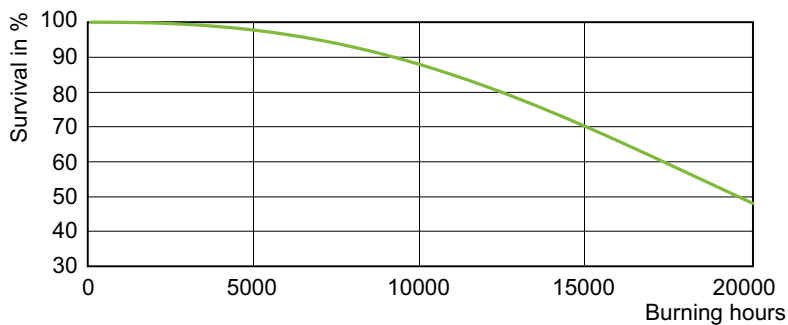
Dimensional drawing



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

MHC P 100W/930 E26 ED17P CL U ELITE

Lifetime



LDLE_D-MHC-P_0005-Life expectancy diagram

