



MasterColor CDM ED17 Protected

MHC50/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]	Luminous Flux (Rated) (Nom)	4800 lm
Operating Position	Universal [Universal]	Color Designation	Warm White (WW)
Main Application	General Lighting (G)	Lumen Maintenance - 40% Life	90 %
Life to 50% Failures (Nom)	16000 h	Lumen Maintenance - 10% Life	95 %
ANSI Code HID	C110/O	Design Mean Lumens	4300 lm
Features	ELITE	Chromaticity Coordinate X (Max)	0.444
Footnotes HID 1	Exclusive to Philips Lighting Company.	Chromaticity Coordinate X (Min)	0.426
		Chromaticity Coordinate X (Nom)	0.435
		Chromaticity Coordinate Y (Max)	0.399
		Chromaticity Coordinate Y (Min)	0.387
		Chromaticity Coordinate Y (Nom)	0.393
		Correlated Color Temperature (Nom)	3000 K
Light technical			
Color Code	930 [CCT of 3000K]		
Luminous Flux (Rated) (Min)	4400 lm		

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Luminous Efficacy (Rated) (Min)	88 lm/W
Luminous Efficacy (rated) (Nom)	96 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

Operating and electrical

Power (Rated) (Nom)	50.2 W
Lamp Current (Nom)	0.59 A
Ignition Supply Voltage (Min)	235 V
Re-Ignition Time (Min) (Max)	8 min
Ignition Time (Max)	10 s
Voltage (Max)	110 V
Voltage (Min)	87 V
Voltage (Nom)	95 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	103.9 pg/lm.h
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Mercury (Hg) Content (Max)	6.6 mg
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UV

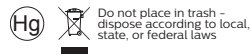
Pet (Niosh) (Nom)	982 h/500lx
Damage Factor D/fc (Nom)	0.13

Luminaire design requirements

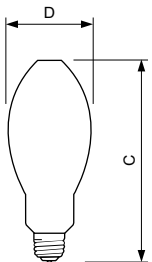
Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	190 °C

Product data

Order product name	MHC50/U/MP/3K ELITE
EAN/UPC - Product	046677423681
Order code	423681
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601173701
Copy Net Weight (Piece)	0.002 lb



Dimensional drawing

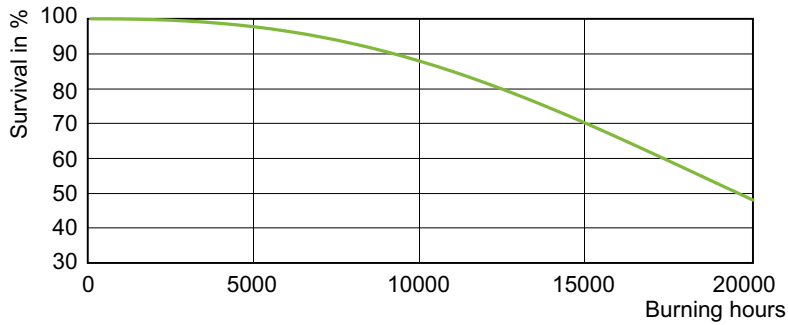


Product	D	C (max)
MHC50/U/MP/3K ELITE	2.125 in	5.438 in

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Lifetime



LDLE_D-MHC-P_0003-Life expectancy diagram

