

MasterColor CDM ED17 Protected

MHC70/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	C98/O
Features	ELITE
Footnotes HID 1	Exclusive to Philips Lighting Company.

Light Technical	
Color Code	930 [CCT of 3000K]
Luminous Flux (Rated) (Min)	6100 lm
Luminous Flux (Rated) (Nom)	6700 lm
Color Designation	Warm White (WW)

Lumen Maintenance - 40% Life	90 %
Lumen Maintenance - 10% Life	95 %
Design Mean Lumens	6400 lm
Chromaticity Coordinate X (Max)	0.379
Chromaticity Coordinate X (Min)	0.361
Chromaticity Coordinate X (Nom)	0.370
Chromaticity Coordinate Y (Max)	0.368
Chromaticity Coordinate Y (Min)	0.356
Chromaticity Coordinate Y (Nom)	0.362
Correlated Color Temperature (Nom)	2900 K
Luminous Efficacy (Rated) (Min)	87 lm/W
Luminous Efficacy (rated) (Nom)	95 lm/W
Color Rendering Index (Min)	87

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Color Rendering Index (Nom)	90

Operating and Electrical

Power (Rated) (Nom)	70.4 W
Lamp Current (Nom)	0.92 A
Ignition Supply Voltage (Min)	235 V
Re-Ignition Time (Min) (Max)	8 min
Ignition Time (Max)	10 s
Voltage (Max)	120 V
Voltage (Min)	92 V
Voltage (Nom)	100 V

Mechanical and Housing

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

Approval and Application

Picogram Per Lumen Hour	88.6 pg/lm.h
Mercury (Hg) Content (Max)	8 mg

UV

Pet (Niosh) (Nom)	1045 h/500lx
Damage Factor D/fc (Nom)	0.14

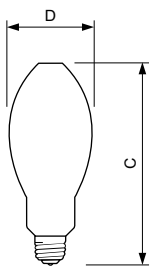
Luminaire Design Requirements

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

Product Data

Order product name	MHC70/U/MP/3K ELITE
EAN/UPC - Product	046677423704
Order code	423707
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601173801
Net Weight (Piece)	0.001 kg

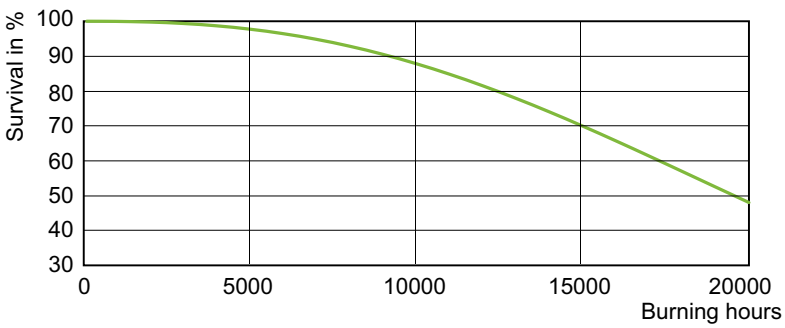
Dimensional drawing



Product	D	C (max)
MHC70/U/MP/3K ELITE	2.125 in	5.438 in

MHC P 70W/930 E26 ED17P CL U ELITE

Lifetime



LDLE_D-MHC-P_0004-Life expectancy diagram

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