



MasterColor CDM ED17 Protected

MHC70/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	
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)	5500 lm
Luminous Flux (Rated) (Nom)	6100 lm
Color Designation	Warm White (WW)
Lumen Maintenance - 40% Life	90 %
Lumen Maintenance - 10% Life	95 %
Design Mean Lumens	5800 lm
Chromaticity Coordinate X (Max)	0.454
Chromaticity Coordinate X (Min)	0.436
Chromaticity Coordinate X (Nom)	0.445
Chromaticity Coordinate Y (Max)	0.403

Chromaticity Coordinate Y (Min)	0.391
Chromaticity Coordinate Y (Nom)	0.397
Correlated Color Temperature (Nom)	2900 K
Luminous Efficacy (Rated) (Min)	78 lm/W
Luminous Efficacy (rated) (Nom)	87 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

Operating and Electrical	
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	Coated glass
Cap-Base Information	Brass [Brass Cap]

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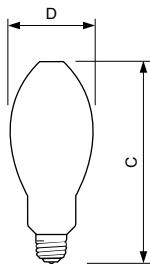
Bulb Material	Hard Glass
Approval and Application	
Picogram Per Lumen Hour	88.6 pg/lm.h
Mercury (Hg) Content (Max)	7.6 mg
UV	
Pet (Niosh) (Nom)	1045 h/500lx
Damage Factor D/fc (Nom)	0.14
Luminaire Design Requirements	
Bulb Temperature (Max)	400 °C

Cap-Base Temperature (Max)	190 °C
Product Data	
Order product name	MHC70/C/U/MP/3K ELITE
EAN/UPC - Product	046677423698
Order code	423699
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601173901
Net Weight (Piece)	0.001 kg

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

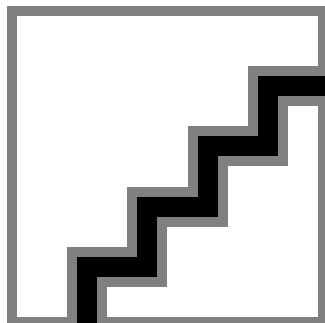
Dimensional drawing



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

MHC P 70W/930 E26 ED17P CO U ELITE

Lifetime



LDLE_D-MHC-P_0004-Life expectancy diagram

