



# MasterColor CDM ED17 Protected

## MHC150/U/MP/4K ALTO 12PK

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](http://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 Lighting (G)
Life to 50% Failures (Min)	20000 h
ANSI Code HID	C142/O
Features	ALTO® + FadeBlock™
Footnotes HID 1	Exclusive to Philips Lighting Company.
Light technical	
Color Code	940 [ CCT of 4000K]
Luminous Flux (Rated) (Min)	11000 lm

Luminous Flux (Rated) (Nom)	12000 lm
Color Designation	Deluxe Cool White
Lumen Maintenance - 40% Life	75 %
Lumen Maintenance - 10% Life	87 %
Design Mean Lumens	9000 lm
Chromaticity Coordinate X (Max)	0.387
Chromaticity Coordinate X (Min)	0.369
Chromaticity Coordinate X (Nom)	0.378
Chromaticity Coordinate Y (Max)	0.372
Chromaticity Coordinate Y (Min)	0.360
Chromaticity Coordinate Y (Nom)	0.366
Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (Rated) (Min)	73 lm/W
Luminous Efficacy (rated) (Nom)	80 lm/W
Color Rendering Index (Min)	87
Color Rendering Index (Nom)	90

## Operating and electrical

Lamp Current (Nom)	1.8 A
Ignition Supply Voltage (Min)	235 V
Re-Ignition Time (Min) (Max)	12 min
Ignition Time (Max)	10 s
Voltage (Max)	105 V
Voltage (Min)	85 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	63.3 pg/lm.h
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Mercury (Hg) Content (Nom)	12.3 mg
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## UV

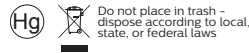
Pet (Niosh) (Nom)	304 h.klx
Damage Factor D/fc (Nom)	0.281

## Luminaire design requirements

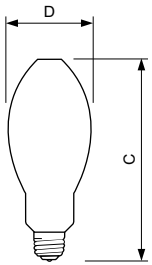
Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	190 °C

## Product data

Order product name	MHC150/U/MP/4K ALTO 12PK
EAN/UPC - Product	046677377243
Order code	377242
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601171701
Net Weight (Piece)	0.070 kg



## Dimensional drawing

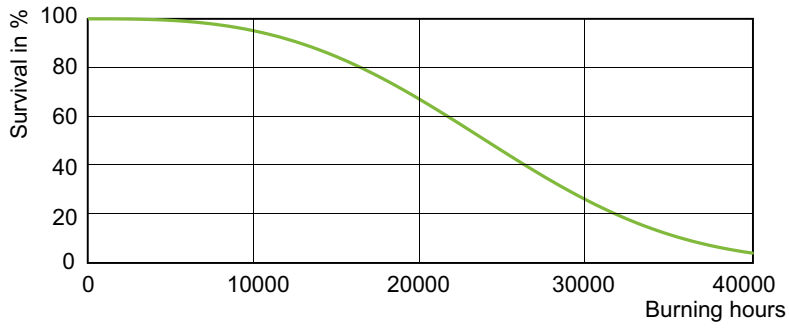


Product	D	C (max)
MHC150/U/MP/4K ALTO 12PK	2.125 in	5.438 in

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## Lifetime



LDLE\_D-MHC-P\_0002-Life expectancy diagram

