

# PHILIPS

## Lighting



# MasterColor CDM ED17 Protected

## MHC150/U/MP/3K 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.

### Product data

General Information	
Base	E26 [ Single Contact Medium Screw]
Operating Position	Universal [ Universal]
Main Application	General Lighting (G)
Life to 50% Failures (Nom)	16000 h
ANSI Code HID	M142/M102/O
Features	ALTO® + FadeBlock™

Light Technical	
Color Code	830 [ CCT of 3000K]
Luminous Flux (Rated) (Min)	11600 lm
Luminous Flux (Rated) (Nom)	12900 lm
Color Designation	Warm White (WW)
Lumen Maintenance - 40% Life	70 %
Lumen Maintenance - 10% Life	85 %
Design Mean Lumens	9030 lm
Chromaticity Coordinate X (Max)	0.443
Chromaticity Coordinate X (Min)	0.425
Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Max)	0.398
Chromaticity Coordinate Y (Min)	0.386

Chromaticity Coordinate Y (Nom)	0.392
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (Rated) (Min)	77.4 lm/W
Luminous Efficacy (rated) (Nom)	86 lm/W
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	83

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 (CL)
Cap-Base Information	Brass [ Brass Cap]
Bulb Material	Hard Glass

# MasterColor CDM ED17 Protected

## Approval and Application

Picogram Per Lumen Hour	98.3 pg/lm.h
Mercury (Hg) Content (Max)	14.2 mg

## UV

Pet (Niosh) (Nom)	302.9 h/500lx
Damage Factor D/fc (Nom)	0.19

## Luminaire Design Requirements

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

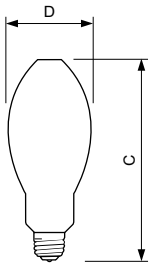
## Product Data

Order product name	MHC150/U/MP/3K ALTO 12PK
EAN/UPC - Product	046677134631
Order code	134635
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601171501
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](http://www.lamprecycle.org) or 1-800-555-0050

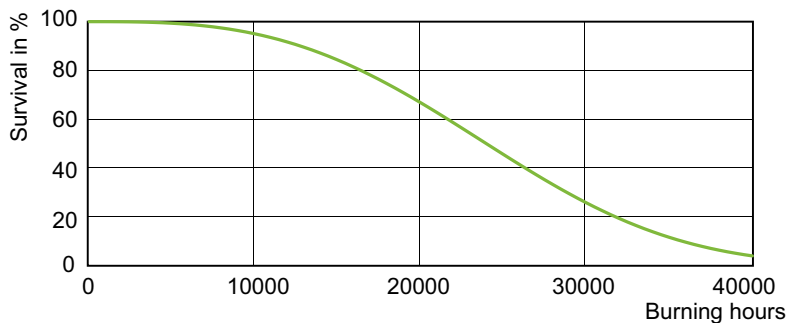
## Dimensional drawing



Product	D	C (max)
MHC150/U/MP/3K ALTO 12PK	2.125 in	5.438 in

MHC P 150W/830 E26 ED17P U ALTO+FB

## Lifetime



MHC P 150W /830 ED17P

