

**PHILIPS**

Lighting



# MasterColor CDM ED17 Elite 4200K

## MHC70/U/M/4K ELITE

MasterColor Elite Ceramic Metal Halide ED-17 4200K Lamps provide excellent lumen maintenance and outstanding performance over time in the familiar ED-17 lamp shape.

### Product data

General Information		Correlated Color Temperature (Nom)	
Cap-Base	E26 [ Single Contact Medium Screw]		4200 K
Operating Position	Universal [ Universal]	Luminous Efficacy (Rated) (Min)	90 lm/W
Main Application	General Lighting (G)	Luminous Efficacy (rated) (Nom)	95 lm/W
Life to 50% Failures (Nom)	20000 h	Color Rendering Index (Min)	85
ANSI Code HID	C98/E	Color Rendering Index (Nom)	88
Features	ELITE		
Light Technical		Operating and Electrical	
Color Code	842 [ CCT of 4200K]	Lamp Current (Nom)	0.91 A
Luminous Flux (Rated) (Min)	6120 lm	Re-Ignition Time (Min) (Max)	8 min
Luminous Flux (Rated) (Nom)	6800 lm	Ignition Time (Max)	30 s
Color Designation	Cool White (CW)	Voltage (Max)	110 V
Lumen Maintenance - 40% Life	80 %	Voltage (Min)	90 V
Lumen Maintenance - 10% Life	90 %	Voltage (Nom)	95 V
Design Mean Lumens	5280 lm	Mechanical and Housing	
Chromaticity Coordinate X (Max)	0.379	Bulb Finish	Clear (CL)
Chromaticity Coordinate X (Min)	0.361	Cap-Base Information	Brass [ Brass Cap]
Chromaticity Coordinate X (Nom)	0.37	Bulb Material	Hard Glass
Chromaticity Coordinate Y (Max)	0.366	Approval and Application	
Chromaticity Coordinate Y (Min)	0.354	Picogram Per Lumen Hour	71 pg/lm.h
Chromaticity Coordinate Y (Nom)	0.360		

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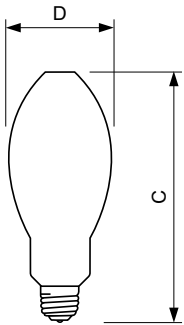
<b>Mercury (Hg) Content (Max)</b>	7.1 mg
<b>UV</b>	
<b>Pet (Niosh) (Nom)</b>	95 h/500lx
<b>Damage Factor D/fc (Nom)</b>	0.3
<b>Luminaire Design Requirements</b>	
<b>Bulb Temperature (Max)</b>	400 °C
<b>Cap-Base Temperature (Max)</b>	190 °C

<b>Product Data</b>	
<b>Order product name</b>	MHC70/U/M/4K ELITE
<b>EAN/UPC - Product</b>	046677429904
<b>Order code</b>	429902
<b>Numerator - Quantity Per Pack</b>	1
<b>Numerator - Packs per outer box</b>	12
<b>Material Nr. (12NC)</b>	928601177401
<b>Net Weight (Piece)</b>	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)
- WARNING: The arc-tube of metal halide lamps are designed to operate under high pressure and at temperatures up to 1000°C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. If the arc-tube ruptures for any reason, the outer bulb may break and pieces of extremely hot glass might be discharged into the surrounding environment. If such a rupture were to happen, THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.
- Certain lamps that will retain all the glass particles should inner arc tube rupture occur are commercially available from Philips Lighting Company.
- RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE. Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

## Dimensional drawing



MHC 70W/842 E26 BD17 CL U ELITE

Product	D	C (max)
MHC70/U/M/4K ELITE	2.125 in	5.438 in

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