



MasterColor CDM ED28 Elite

MHC100/U/HR/4K ED28 - Elite

Philips MasterColor Ceramic Metal Halide Pulse Start ED28 Lamps are a better value than quartz metal halide, with longer life, higher lumen maintenance, and energy efficiency.

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	E39 [Single Contact Mogul Screw]
Operating Position	Universal [Universal]
Main Application	General Lighting (G)
Life to 50% Failures (Nom)	20000 h
ANSI Code HID	C90/E
Features	ELITE
System Description	Hot Restrike

Light Technical	
Color Code	940 [CCT of 4000K]
Luminous Flux (Rated) (Min)	9000 lm
Luminous Flux (Rated) (Nom)	10000 lm
Color Designation	Natural (N)

Design Mean Lumens	8000 lm
Chromaticity Coordinate X (Nom)	0.379
Chromaticity Coordinate Y (Nom)	0.375
Correlated Color Temperature (Max)	4280 K
Correlated Color Temperature (Min)	3880 K
Correlated Color Temperature (Nom)	4080 K
Luminous Efficacy (Rated) (Min)	91 lm/W
Luminous Efficacy (rated) (Nom)	100 lm/W
Color Rendering Index (Nom)	90

Operating and Electrical	
Power (Rated) (Nom)	100.4 W
Lamp Current (Nom)	1.1 A
Ignition Supply Voltage (Min)	235 V

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Re-ignition Time (Min) (Max)	1 s
Ignition Time (Max)	10 s
Voltage (Max)	114 V
Voltage (Min)	90 V
Voltage (Nom)	102 V

Mechanical and Housing

Bulb Finish	Clear
Cap-Base Information	Brass [Brass Cap]
Bulb Material	Hard Glass
Bulb Shape	ED28 [ED28]

Approval and Application

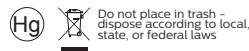
Picogram Per Lumen Hour	61 pg/lm.h
Mercury (Hg) Content (Max)	9.9 mg

Luminaire Design Requirements

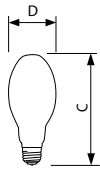
Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Max)	190 °C

Product Data

Order product name	MHC100/U/HR/4K ED28 - Elite
EAN/UPC - Product	046677430702
Order code	430702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928601178501
Net Weight (Piece)	0.001 kg



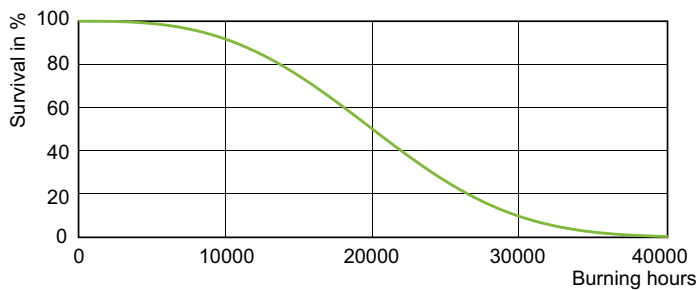
Dimensional drawing



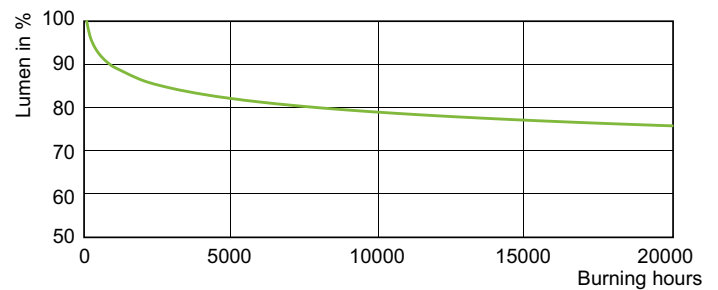
Product	D	C (max)
MHC100/U/HR/4K ED28 - Elite	3.5 in	8.313 in

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Lifetime



LDLE_D-MHC-HR_0001-Life expectancy diagram



LDLM_D-MHC-HR_0001-Lumen maintenance diagram

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