



MasterColor CDM ED17 Protected

MHC50/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.

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	E26 [Single Contact Medium Screw]	
Operating Position	Universal [Universal]	
Main Application	General Lighting (G)	
Life to 50% Failures (Nom)	16000 h	
ANSI Code HID	C110/O	
Features	ELITE	
	Exclusive to Philips Lighting Company.	
Footnotes HID 1	Exclusive to Philips Lighting Company.	
Footnotes HID 1	Exclusive to Philips Lighting Company.	
Footnotes HID 1 Light Technical	Exclusive to Philips Lighting Company.	
	Exclusive to Philips Lighting Company. 930 [CCT of 3000K]	
Light Technical		
Light Technical Color Code	930 [CCT of 3000K]	
Light Technical Color Code Luminous Flux (Rated) (Min)	930 [CCT of 3000K] 4400 lm	

Lumen Maintenance - 40% Life	90 %
Lumen Maintenance - 10% Life	95 %
Design Mean Lumens	4300 lm
Chromaticity Coordinate X (Max)	0.444
Chromaticity Coordinate X (Min)	0.426
Chromaticity Coordinate X (Nom)	0.435
Chromaticity Coordinate Y (Max)	0.399
Chromaticity Coordinate Y (Min)	0.387
Chromaticity Coordinate Y (Nom)	0.393
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (Rated) (Min)	88 lm/W
Luminous Efficacy (rated) (Nom)	96 lm/W
Color Rendering Index (Min)	87

Datasheet, 2021, July 30 data subject to change

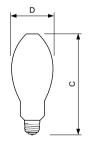
MasterColor CDM ED17 Protected

Color Rendering Index (Nom)	90		
Operating and Electrical			
Power (Rated) (Nom)	50.2 W		
Lamp Current (Nom)	0.59 A		
Ignition Supply Voltage (Min)	235 V		
Re-Ignition Time (Min) (Max)	8 min		
Ignition Time (Max)	10 s		
Voltage (Max)	110 V		
Voltage (Min)	87 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	103.9 pg/lm.h		
Mercury (Hg) Content (Max)	6.6 mg		

UV		
Pet (Niosh) (Nom)	982 h/500lx	
Damage Factor D/fc (Nom)	0.13	
Luminaire Design Requirements		
Bulb Temperature (Max)	400 °C	
Cap-Base Temperature (Max)	190 ℃	
Product Data		
Order product name	MHC50/U/MP/3K ELITE	
EAN/UPC - Product	046677423681	
Order code	423681	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	12	
Material Nr. (12NC)	928601173701	
Net Weight (Piece)	0.001 kg	



Dimensional drawing

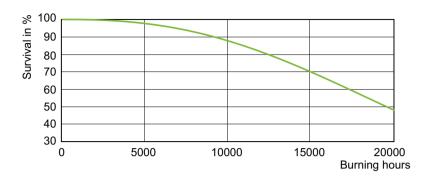


MHCI	P 50W.	/930	F26	FD17P	CLL	J FI ITF

Product	D	C (max)
MHC50/U/MP/3K ELITE	2.125 in	5.438 in

MasterColor CDM ED17 Protected

Lifetime



LDLE_D-MHC-P_0003-Life expectancy diagram



© 2021 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.