



MasterColor CDM Elite MW Mogul Base

MasterColor CDM Elite CDM 315/U/O/4K ED37 6PK

Philips MasterColor CDM Elite MW Mogul Base Lamps. A high-performing protected “O” rated ceramic lamp is now available in familiar bulb shapes, without sacrificing lamp performance.

Product data

General Information	
Cap-Base	EX39 [Exclusionary Mogul Screw]
Bulb Shape	ED-37
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 50% Failures (Nom)	30000 h
ANSI Code HID	C182/O
Features	Protected (P)
Light Technical	
Color Code	942 [CCT of 4200K]
Luminous Flux (Rated) (Min)	31200 lm
Luminous Flux (Rated) (Nom)	34300 lm
Color Designation	Cool White (CW)
Lumen Maintenance 2000 h (Nom)	93 %
Lumen Maintenance 5000 h (Nom)	87 %
Saturated Red	90
Photosynthetic Photon Flux (PPF)	1.82 $\mu\text{mol/s}$
Design Mean Lumens	30780 lm
Chromaticity Coordinate X (Nom)	0.378
Chromaticity Coordinate Y (Nom)	0.385

Correlated Color Temperature (Nom)	3950 K
Luminous Efficacy (rated) (Min)	99 lm/W
Luminous Efficacy (rated) (Nom)	109 lm/W
Color Rendering Index (Min)	89
Color Rendering Index (Nom)	92
Operating and Electrical	
Power (Rated) (Nom)	315.0 W
Lamp Current Run-Up (Nom)	4.15 A
Ignition Supply Voltage (Max)	4000 V
Ignition Peak Voltage (Max)	161 V
Ignition Supply Voltage (Min)	3000 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	3 s
Voltage (Max)	115 V
Voltage (Min)	90 V
Voltage (Nom)	100 V

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Controls and Dimming

Run-Up Time 90% (Max)	3 min
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Mechanical and Housing

Bulb Finish	Clear
Overall Length (Max)	11.3 in

Approval and Application

Picogram Per Lumen Hour	39 pg/lm.h
Mercury (Hg) Content (Max)	24 mg
Mercury (Hg) Content (Nom)	23.4 mg

UV

Pet (Niosh) (Nom)	146 h/500lx
Damage Factor D/fc (Nom)	0.37

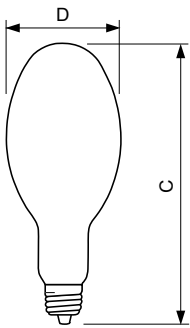
Luminaire Design Requirements

Bulb Temperature (Max)	400 °C
Cap-Base Temperature (Nom)	210 °C

Product Data

Order product name	MasterColor CDM Elite CDM 315/U/O/4K ED37 6PK
EAN/UPC - Product	046677427047
Order code	928601175506
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	928601175506
Net Weight (Piece)	0.001 kg

Dimensional drawing



CDM-MW 315W/942 EX39 ED37 CL U P

Product	D	D	L	L	L	C
MasterColor CDM Elite CDM 315/U/O/4K ED37 6PK	4.625 in	118 mm	174 mm	182 mm	178 mm	288 mm

