



Optimal lamp performance in standard fixtures

MasterColor CDM Elite MW Mogul Base

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.

Benefits

- Familiar ED28 and ED37 bulb shapes – can be used directly on existing fixtures
- Open-rated, EX39 mogul base used in either enclosed or open fixtures
- Operates on the Philips Advance electronic ballast IZTMH 210-315

Features

- Excellent lamp performance with 85% lumen maintenance and 20,000 hours rated average life (1)
- Up to 108 lumens per watt for the lamp or 100 lumens per watt for the system.
- Excellent color rendering of CRI 90+
- Crisp white light

Application

- Ideal for architectural facade lighting, illumination of pedestrian areas, indoor retail outlets, warehouses, manufacturing facilities.

MasterColor CDM Elite MW Mogul Base

Versions

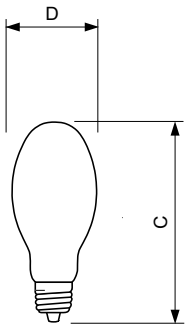
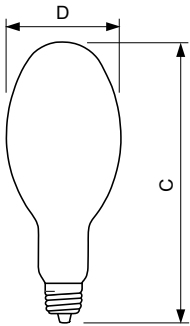


EX39 ED28



EX39 ED37

Dimensional drawing



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

Product	D	D	L (min)	L (max)	L	C (max)
MasterColor CDM Elite CDM 210/U/O/4K ED28 12PK	3.54 in	90 mm	125 mm	129 mm	127 mm	211 mm

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Operating and Electrical

Voltage (Min)	90 V
Re-Ignition Time (Min) (Max)	15 min

General Information

Cap-Base	EX39
Life To 50% Failures (Nom)	30000 h
Operating Position	Universal

Luminaire Design Requirements

Bulb Temperature (Max)	400 °C
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Light Technical

Color Code	942
Color Designation	Cool White (CW)
Color Rendering Index (Min)	89
Color Rendering Index (Nom)	92

Mechanical and Housing

Bulb Finish	Clear (CL)
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Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Picogram Per Lumen Hour
427054	MasterColor CDM Elite CDM210/U/O/4K ED28 12PK	26 mg	25 mg	60.7 pg/lm.h
427047	MasterColor CDM Elite CDM315/U/O/4K ED37 6PK	24 mg	23.4 mg	39 pg/lm.h

Operating and Electrical

Order Code	Full Product Name	Voltage (Max)	Voltage (Nom)	Power (Rated) (Nom)
427054	MasterColor CDM Elite CDM210/U/O/4K ED28 12PK	120 V	105 V	210.0 W

Order Code	Full Product Name	Voltage (Max)	Voltage (Nom)	Power (Rated) (Nom)
427047	MasterColor CDM Elite CDM315/U/O/4K ED37 6PK	115 V	100 V	315.0 W

Light Technical (1/2)

Order Code	Full Product Name	Correlated			
		Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Temperature (Nom)	Lumen Maintenance - 10% Life
427054	MasterColor CDM Elite CDM210/U/O/4K ED28 12PK	0.386	0.378	3850 K	94 %

Order Code	Full Product Name	Correlated			
		Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Temperature (Nom)	Lumen Maintenance - 10% Life
427047	MasterColor CDM Elite CDM315/U/O/4K ED37 6PK	0.378	0.385	3950 K	-

Light Technical (2/2)

Order Code	Full Product Name	Lumen Maintenance 2000	Lumen Maintenance 5000	Luminous Efficacy (rated) (Min)	Luminous Efficacy (rated) (Nom)	Design Mean Lumens	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	Photosynthetic Photon Flux (PPF)
		h (Nom)	h (Nom)						
427054	MasterColor CDM Elite CDM210/U/O/4K ED28 12PK	94 %	88 %	98 lm/W	108 lm/W	20500 lm	20600 lm	22800 lm	1.76 µmol/s
427047	MasterColor CDM Elite CDM315/U/O/4K ED37 6PK	93 %	87 %	99 lm/W	109 lm/W	30780 lm	31200 lm	34300 lm	1.82 µmol/s

Mechanical and Housing

MasterColor CDM Elite MW Mogul Base

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
427054	MasterColor CDM Elite CDM210/U/O/4K ED28 12PK	ED28	427047	MasterColor CDM Elite CDM315/U/O/4K ED37 6PK	ED37

