



Simply irresistible. Superior light quality from start to finish

MasterColor CDM-R Elite

The Elite family is at the very top of the MasterColor CDM range, and gives a unique combination of unbeatable light quality and consistent performance over lifetime, while keeping running costs low. MasterColor metal halide lamps deliver consistent white light and higher color rendering than any standard metal halide source for architectural lighting. MasterColor CDM Elite PAR30L lamps deliver similar performance as the MasterColor Elite family lamps in the familiar PAR30L shape.

Benefits

- Energy-efficient alternative to incandescent, halogen and standard MasterColor PAR30L lamps.
- Improved lumen maintenance over standard metal halide and standard MasterColor PAR30L lamps.
- Lamp to lamp color consistency over life.

Features

- Exceptional color rendering and superior color stability -- within +/- 200 K, CRI 90, 3000 K
- Low mercury, no lead; ALTO-compliant
- Operates on existing electronic and electromagnetic ballasts
- Features FadeBlock™—an integrated UV-blocking medium for reduced fading of fabrics and paintings
- Available in 35 and 70 W versions

Application

- Ideal for display and accent lighting in retail and architectural lighting for interior and exterior applications.

MasterColor CDM-R Elite

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)

Versions



Dimensional drawing

D

Product	D (max)	C (max)
MASTERColour CDM-R Elite 35W/930 E27 PAR20 10D	65 mm	95 mm
MASTERColour CDM-R Elite 35W/930 E27 PAR20 30D	65 mm	95 mm

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Approval and Application

Energy Consumption kWh/1000 h	40 kWh
Mercury (Hg) Content (Max)	4.7 mg
Mercury (Hg) Content (Nom)	4.7 mg

Controls and Dimming

Dimmable	No
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Operating and Electrical

Voltage (Max)	96 V
Voltage (Min)	80 V
Voltage (Nom)	88 V
Power (Nom)	39.1 W
Re-Ignition Time (Min) (Max)	15 min
Warm Up Time To 60% Light (Nom)	120 s

General Information

Cap-Base	E27
Life To 10% Failures (Nom)	5500 h
Life To 20% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	15000 h
Life To 5% Failures (Nom)	9000 h
Operating Position	UNIVERSAL
Switching Cycle	1350X

Luminaire Design Requirements

Bulb Temperature (Max)	300 °C
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Light Technical

Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.398
Colour Code	930
Colour Designation	Warm White (WW)
Correlated Colour Temperature (Nom)	3000 K
Colour Rendering Index (Min)	88
Colour Rendering Index (Nom)	91
Llmf At End Of Nominal Lifetime (Nom)	80 %
Lumen Maintenance 12000 h (Nom)	82 %
Lumen Maintenance 2000 h (Nom)	94 %
Lumen Maintenance 4000 h (Nom)	90 %
Design Mean Lumens	2040 lm

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	PAR20

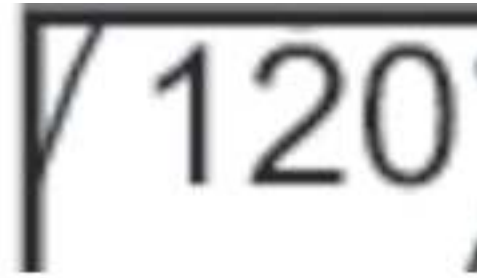
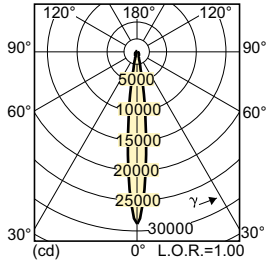
Light Technical (1/2)

Order Code	Full Product Name	Beam	Beam Description	Luminous	
		Angle (Nom)		Efficacy (rated) (Nom)	Luminous Flux (Nom)
65155000	MASTERColour CDM-R Elite 35W/930 E27 PAR20 10D	10 °	Spot	60 lm/W	2050 lm
65157400	MASTERColour CDM-R Elite 35W/930 E27 PAR20 30D	30 °	Flood	61 lm/W	2100 lm

Light Technical (2/2)

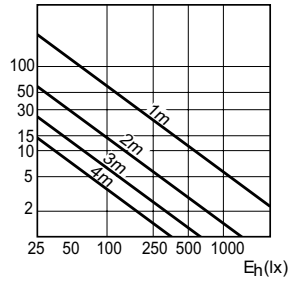
Order Code	Full Product Name	Luminous Intensity (Nom)	Order Code	Full Product Name	Luminous Intensity (Nom)
65155000	MASTERColour CDM-R Elite 35W/930 E27 PAR20 10D	23000 cd	65157400	MASTERColour CDM-R Elite 35W/930 E27 PAR20 30D	6500 cd

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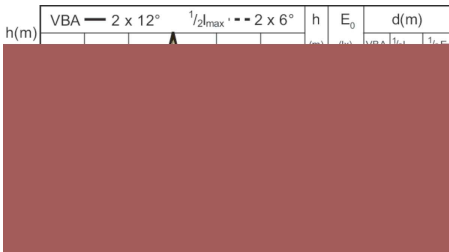
MasterColor CDM-R Elite

Accent Diagrams

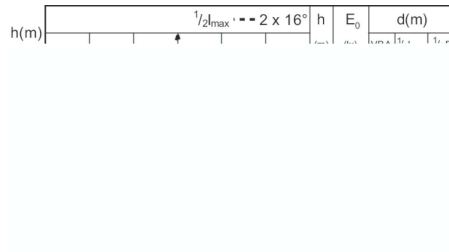


LDAC_CDM-R-E_0016-Accent diagram

Beam Diagrams



LDBE_CDM-R-E_0015-Beam diagram



LDBE_CDM-R-E_0016-Beam diagram

