



Simply irresistible. Superior light quality from start to finish

MasterColour 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

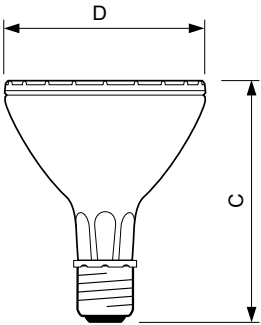
- Ideal for display and accent lighting in retail and architectural lighting for interior and exterior applications.

MasterColour CDM-R Elite

Versions



Dimensional drawing



Product	D (max)	C (max)
MASTERColour CDM-R Elite 70W/930 E27 PAR30L 30D	97 mm	123 mm
MASTERColour CDM-R Elite 70W/930 E27 PAR30L 10D	97 mm	123 mm

MasterColour CDM-R Elite

Approval and Application

Energy Consumption kWh/1000 h	80 kWh
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	6.6 mg

Controls and Dimming

Dimmable	no
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Operating and Electrical

Voltage (Max)	93 V
Voltage (Min)	79 V
Voltage (Nom)	86 V
Power (Rated) (Nom)	73.0 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)	6500 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)	0.443
Chromaticity Coordinate Y (Nom)	0.402
Colour Code	930
Colour Designation	Warm white (WW)
Correlated Colour Temperature (Nom)	3000 K
Colour Rendering Index (Min)	89
Colour Rendering Index (Nom)	92
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 %
Luminous Efficacy (rated) (Nom)	70 lm/W
Design Mean Lumens	3800 lm

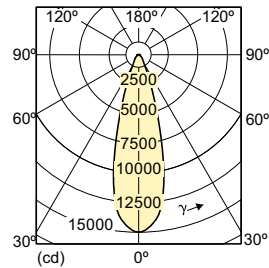
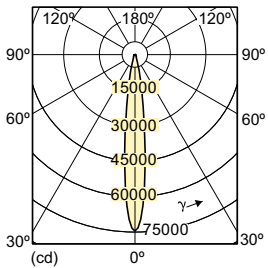
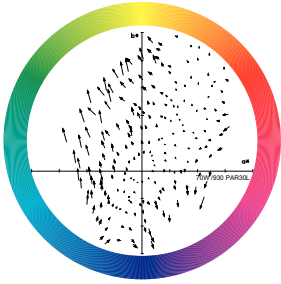
Mechanical and Housing

Bulb Finish	Clear (CL)
Bulb Shape	PAR30L

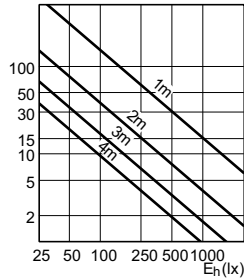
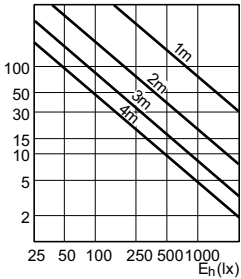
Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Beam Description	Luminous Intensity (Nom)
928109300630	MASTERColour CDM-R Elite 70W/930 E27 PAR30L 10D	10 °	Spot	61000 cd
928109400630	MASTERColour CDM-R Elite 70W/930 E27 PAR30L 30D	30 °	Flood	14000 cd

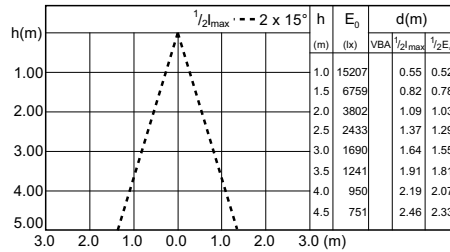
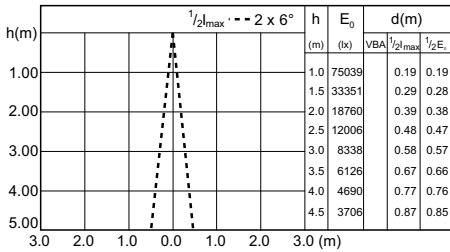
Color Rendering Diagrams



Accent Diagrams



Beam Diagrams



LD BE_CDM-R-E_0003-Beam diagram

LD BE_CDM-R-E_0004-Beam diagram

