



# Perfect sparkle, simple use

## MASTERColour CDM-R Elite

Compact, very high-efficiency, long-life Ceramic Metal Halide discharge reflector lamp producing crisp white sparkling light with high colour rendering

### Benefits

- Lamp is easy to install and provides superior light from start to finish
- Unique crisp white sparkling light makes merchandise irresistible
- Unrivalled combination of high lumen output and excellent lumen maintenance

### Features

- Excellent colour rendering (Ra 90) and high efficacy
- Unparalleled lumen maintenance
- UV-blocking front glass to reduce risk of merchandise fading
- Fits in simple open luminaires
- Easy to install and replace

### Application

- Accent lighting in retail and hospitality
- General and decorative lighting

### Warnings and Safety

- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

# MASTERColour CDM-R Elite

## Versions

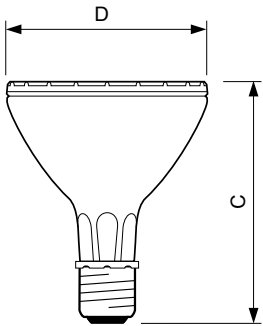


CDM-R Elite 30W /930, /942 E27 PAR20



CDM-R Elite /930, /942 E27 PAR30L

## Dimensional drawing



D

Product	D (max)	C (max)
MASTERColour CDM-R Elite 70W/930 E27 PAR30L 40D	97 mm	123 mm
MASTERColour CDM-R Elite 35W/930 E27 PAR30L 30D	97 mm	123 mm

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

# MASTERCcolour CDM-R Elite

## Controls and Dimming

Dimmable	No
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## Operating and Electrical

Re-Ignition Time (Min) (Max)	15 min
Warm Up Time To 60% Light (Nom)	120 s

## General Information

Cap-Base	E27
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

Beam Description	Flood
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
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 %

## Mechanical and Housing

Bulb Finish	Clear
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## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928050300630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR20 30D	40 kWh	4.7 mg	4.7 mg
928108200630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR30L 30D	40 kWh	4.7 mg	4.7 mg
928109500630	MASTERCcolour CDM-R Elite 70W/930 E27 PAR30L 40D	74 kWh	6.6 mg	6.6 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928050300630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR20 30D	-	96 V	80 V	88 V
928108200630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR30L 30D	0.450 A	96 V	80 V	88 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928109500630	MASTERCcolour CDM-R Elite 70W/930 E27 PAR30L 40D	-	93 V	79 V	86 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Nom)
928050300630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR20 30D	39.1 W
928108200630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR30L 30D	39.1 W

Order Code	Full Product Name	Power (Nom)
928109500630	MASTERCcolour CDM-R Elite 70W/930 E27 PAR30L 40D	73.2 W

# MASTERCcolour CDM-R Elite

## General Information

Order Code	Full Product Name	Life To 10% Failures (Nom)
928050300630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR20 30D	5500 h
928108200630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR30L 30D	5500 h

Order Code	Full Product Name	Life To 10% Failures (Nom)
928109500630	MASTERCcolour CDM-R Elite 70W/930 E27 PAR30L 40D	6500 h

## Light Technical (1/2)

Order Code	Full Product Name	Beam Angle	Colour Rendering Index (Min)	Colour Rendering Index (Nom)	Luminous Efficacy (rated)
		(Nom)	(Min)	(Nom)	(Nom)
928050300630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR20 30D	30 °	88	91	61 lm/W
928108200630	MASTERCcolour CDM-R Elite	30 °	88	91	69 lm/W

Order Code	Full Product Name	Beam Angle	Colour Rendering Index (Min)	Colour Rendering Index (Nom)	Luminous Efficacy (rated)
		(Nom)	(Min)	(Nom)	(Nom)
	35W/930 E27 PAR30L 30D				
928109500630	MASTERCcolour CDM-R Elite 70W/930 E27 PAR30L 40D	40 °	89	92	70 lm/W

## Light Technical (2/2)

Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Nom)	Luminous Intensity (Nom)
928050300630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR20 30D	2040 lm	2100 lm	6500 cd
928108200630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR30L 30D	2000 lm	2400 lm	8000 cd

Order Code	Full Product Name	Design Mean Lumens	Luminous Flux (Nom)	Luminous Intensity (Nom)
928109500630	MASTERCcolour CDM-R Elite 70W/930 E27 PAR30L 40D	3800 lm	4400 lm	10300 cd

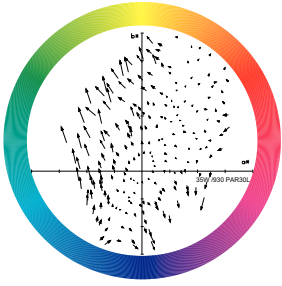
## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928050300630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR20 30D	PAR20
928108200630	MASTERCcolour CDM-R Elite 35W/930 E27 PAR30L 30D	PAR30L

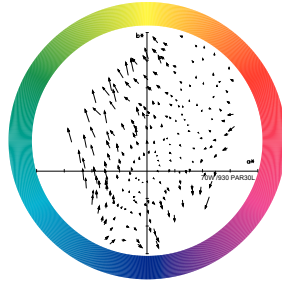
Order Code	Full Product Name	Bulb Shape
928109500630	MASTERCcolour CDM-R Elite 70W/930 E27 PAR30L 40D	PAR30L

# MASTERColour CDM-R Elite

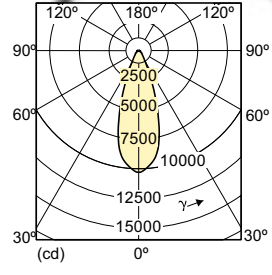
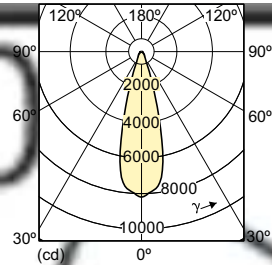
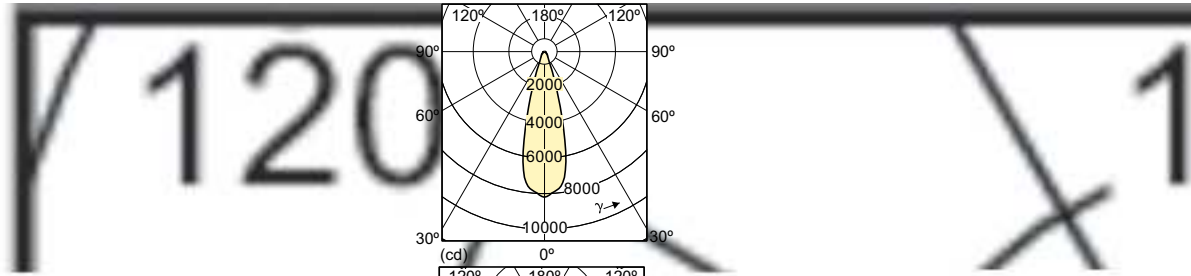
## Colour Rendering Diagrams



LDCR\_CDM-R-E\_35W\_930\_PAR30L-Colour rendering diagram

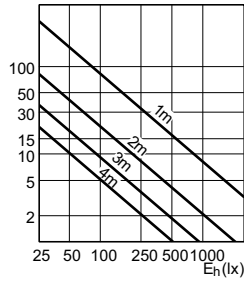
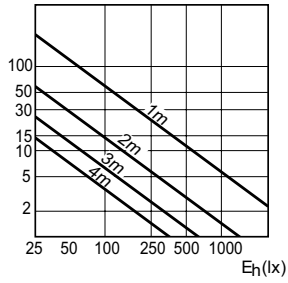


LDCR\_CDM-R-E\_70W\_930\_PAR30L-Colour rendering diagram

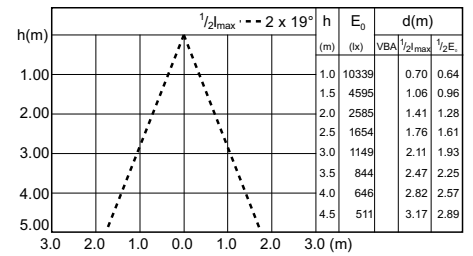
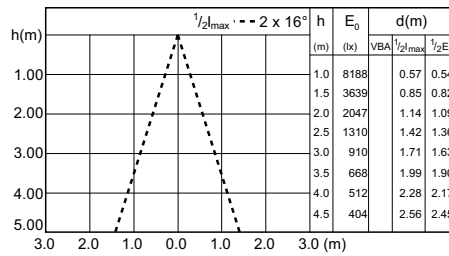
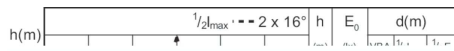


# MASTERCoulour CDM-R Elite

## Accent Diagrams



## Beam Diagrams



LDAC\_CDM-R-E\_0016-Beam diagram

LDAC\_CDM-R-E\_0001-Beam diagram

LDAC\_CDM-R-E\_0005-Beam diagram

