



Product Description

MASTERColour CDM-R

Range of compact, high-efficiency, discharge reflector lamps with a stable colour over lifetime and a crisp, sparkling light

Benefits

- High lamp efficacy results in low operating costs and low heat generation
- Long lamp life compared with incandescent and halogen lamps
- Stable colour impression over lifetime
- Unique design increases flexibility in application and allows powerful accents from small, unobtrusive luminaires
- Simplified luminaire design because CDM-R lamps can be used in open luminaires
- Relatively low heat output enhances comfort for shoppers and staff
- Integrated UV-Block shield reduces fading risks

Features

- Warm or cool white colour impression with good colour rendering
- High beam intensities are achieved very easy and efficiently from these compact reflector lamps

Application

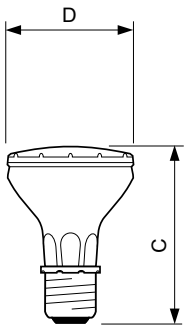
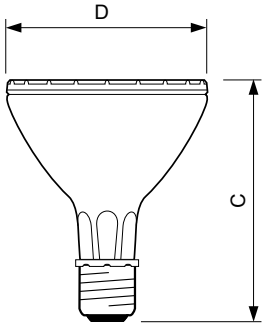
- Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting and pedestrian areas

Warnings and Safety

- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. Colour 830 lamps may also use electromagnetic gear.

MASTERCcolour CDM-R

Dimensional drawing



Product	D (max)	D	C (max)	C
MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	97 mm	95 mm	123 mm	120 mm
MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	97 mm	95 mm	123 mm	120 mm

Product	D (max)	D	C (max)	C
MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	65 mm	64 mm	95 mm	92 mm

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)	8000 h
Operating Position	UNIVERSAL

Luminaire design requirements

Bulb Temperature (Max)	300 °C
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Light technical

Beam Description	Flood
Colour Code	830
Colour Designation	Warm white (WW)
Correlated Colour Temperature (Nom)	3000 K
Colour Rendering Index (Nom)	81

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 (Nom)
928071000691	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	42 kWh	2.8 mg
928071200691	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	80 kWh	8.3 mg
928084000691	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	42 kWh	2.8 mg

Operating and electrical (1/2)

MASTERCcolour CDM-R

Order Code	Full Product Name	Lamp Current			
		(EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928071000691	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	0.53 A	94 V	78 V	86 V
928071200691	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	0.97 A	100 V	82 V	90 V

Order Code	Full Product Name	Lamp Current			
		(EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928084000691	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	0.53 A	96 V	80 V	88 V

Operating and electrical (2/2)

Order Code	Full Product Name	Power (Nom)
928071000691	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	39.1 W
928071200691	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	73.2 W

Order Code	Full Product Name	Power (Nom)
928084000691	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	39.1 W

General information

Order Code	Full Product Name	Life To 50%	Life To 5%	Switching Cycle
		Failures (Nom)	Failures (Nom)	
928071000691	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	8000 h	5000 h	1,000X
928071200691	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	12000 h	5500 h	1,050X

Order Code	Full Product Name	Life To 50%	Life To 5%	Switching Cycle
		Failures (Nom)	Failures (Nom)	
928084000691	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	8000 h	5000 h	800X

Light technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Llmf At End Of
					Nominal Lifetime (Nom)
928071000691	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	30 °	0.431	0.400	48 %
928071200691	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	40 °	0.427	0.397	62 %

Order Code	Full Product Name	Beam Angle (Nom)	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Llmf At End Of
					Nominal Lifetime (Nom)
928084000691	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	30 °	0.433	0.402	52 %

Light technical (2/2)

Order Code	Full Product Name	Luminous Efficacy	Luminous Flux	Luminous Intensity
		(rated) (Nom)	(Rated) (Nom)	(Nom)
928071000691	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	-	2200 lm	7400 cd

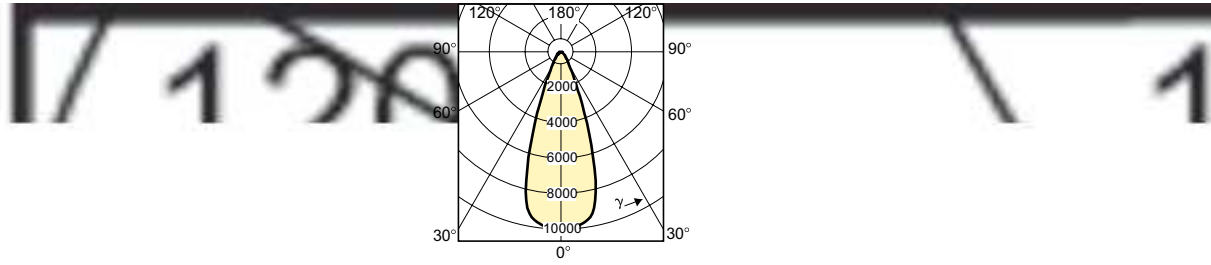
Order Code	Full Product Name	Luminous Efficacy	Luminous Flux	Luminous Intensity
		(rated) (Nom)	(Rated) (Nom)	(Nom)
928071200691	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	4500 lm/W	4600 lm	9500 cd

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Order Code	Full Product Name	Luminous	Luminous	Luminous
		Efficacy (rated) (Nom)	Flux (Rated) (Nom)	Intensity (Nom)
928084000691	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	-	1900 lm	5300 cd

Mechanical and housing

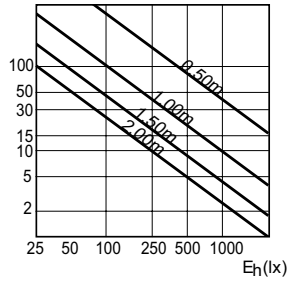
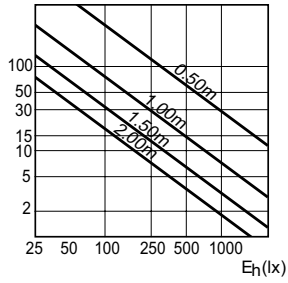
Order Code	Full Product Name	Bulb Shape
928071000691	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	PAR30L
928071200691	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	PAR30L
928084000691	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	PAR20



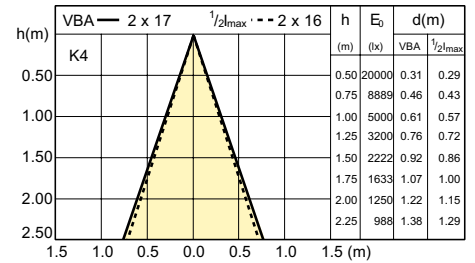
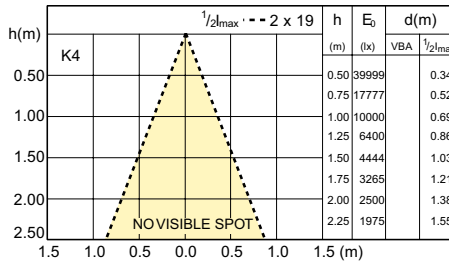
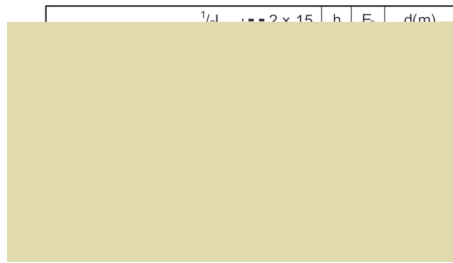


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Accent Diagrams



Beam Diagrams



LDBE_CDM-R_0012-Beam diagram

LDBE_CDM-R_0007-Beam diagram

LDBE_CDM-R_0010-Beam diagram

