



# Beautiful sparkle, simple use

## MASTERColour CDM-R

Range of compact, high-efficiency, discharge reflector lamps with a stable color 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 color impression over lifetime

### Features

- Crisp white light
- Superior color quality
- 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

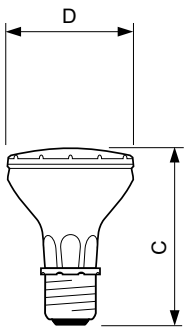
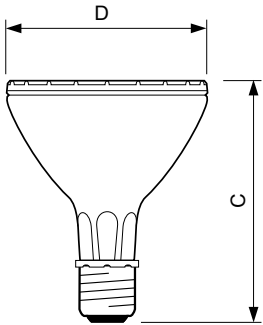
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. Color 830 lamps may also use electromagnetic gear.
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

# MASTERColour CDM-R

## Versions



## Dimensional drawing



Product	D (max)	D	C (max)	C
MASTERColour CDM-R 35W/830 E27 PAR30L 30D 1CT	97 mm	95 mm	123 mm	120 mm
MASTERColour CDM-R 70W/942 E27 PAR30L 40D 1CT	97 mm	95 mm	123 mm	120 mm
MASTERColour CDM-R 70W/830 E27 PAR30L 40D 1CT	97 mm	95 mm	123 mm	120 mm

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

# MASTERCcolour CDM-R

## Approval and Application

Energy Efficiency Label (EEL)	A
<b>Controls and Dimming</b>	
Dimmable	No
<b>Operating and Electrical</b>	
Re-Ignition Time (Min) (Max)	15 min
Warm Up Time To 60% Light (Nom)	120 s
<b>General Information</b>	
Cap-Base	E27
Life To 20% Failures (Nom)	8000 h
Operating Position	UNIVERSAL
<b>Luminaire Design Requirements</b>	
Bulb Temperature (Max)	300 °C
<b>Light Technical</b>	
Beam Description	Flood
<b>Mechanical and Housing</b>	
Bulb Finish	Clear

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
21170500	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	42 kWh	2.8 mg
21174300	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	80 kWh	8.3 mg
21178100	MASTERCcolour CDM-R 70W/942 E27 PAR30L 40D 1CT	80 kWh	6.6 mg
21184200	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	42 kWh	2.8 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
21170500	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	0.53 A	94 V	78 V	86 V
21174300	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)
21178100	MASTERCcolour CDM-R 70W/942 E27 PAR30L 40D 1CT	-	100 V	75 V	88 V
21184200	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 (Rated) (Nom)
21170500	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	38 W
21174300	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	73 W

Order Code	Full Product Name	Power (Rated) (Nom)
21178100	MASTERCcolour CDM-R 70W/942 E27 PAR30L 40D 1CT	73 W
21184200	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	35.0 W

## General Information

Order Code	Full Product Name	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)	Switching Cycle
21170500	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	8000 h	5000 h	1,000X

Order Code	Full Product Name	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)	Switching Cycle
21174300	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	12000 h	5500 h	1,050X

## MASTERCcolour CDM-R

Order Code	Full Product Name	Life To 50%	Life To 5%	Switching Cycle
		Failures (Nom)	Failures (Nom)	
21178100	MASTERCcolour CDM-R 70W/942 E27 PAR30L 40D 1CT	12000 h	5000 h	1,050X

Order Code	Full Product Name	Life To 50%	Life To 5%	Switching Cycle
		Failures (Nom)	Failures (Nom)	
21184200	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)	Colour Code
		21170500	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	30 °	0.431
21174300	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	40 °	0.427	0.397	830

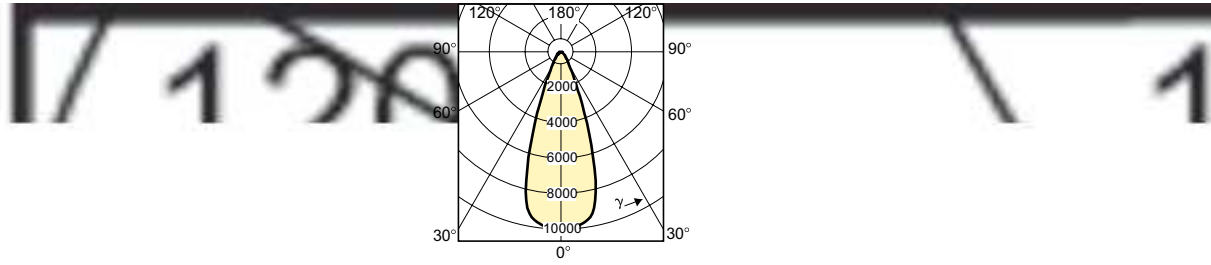
Order Code	Full Product Name	Beam Angle (Nom)	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Colour Code
		21178100	MASTERCcolour CDM-R 70W/942 E27 PAR30L 40D 1CT	40 °	0.371
21184200	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	30 °	0.433	0.402	830

### Light Technical (2/2)

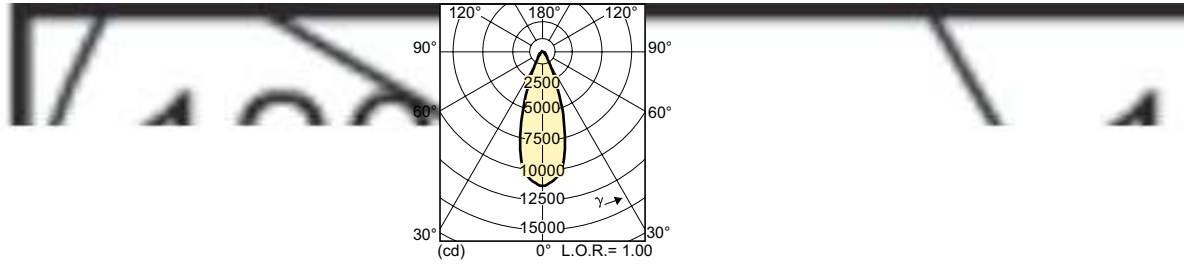
Order Code	Full Product Name	Colour Designation	Correlated Colour	Colour Rendering	Lmf At End Of	Luminous Flux (Rated) (Nom)	Luminous Intensity (Nom)
			Temperature (Nom)	Index (Nom)	Nominal Lifetime (Nom)		
21170500	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	Warm White (WW)	3000 K	81	48 %	2200 lm	7400 cd
21174300	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	Warm White (WW)	3000 K	81	62 %	4600 lm	9500 cd
21178100	MASTERCcolour CDM-R 70W/942 E27 PAR30L 40D 1CT	Cool White (CW)	4200 K	93	61 %	4300 lm	9000 cd
21184200	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	Warm White (WW)	3000 K	81	52 %	1900 lm	5300 cd

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
21170500	MASTERCcolour CDM-R 35W/830 E27 PAR30L 30D 1CT	PAR30L
21174300	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	PAR30L
21178100	MASTERCcolour CDM-R 70W/942 E27 PAR30L 40D 1CT	PAR30L
21184200	MASTERCcolour CDM-R 35W/830 E27 PAR20 30D 1CT	PAR20

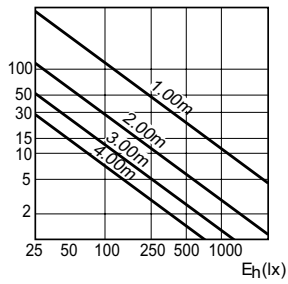
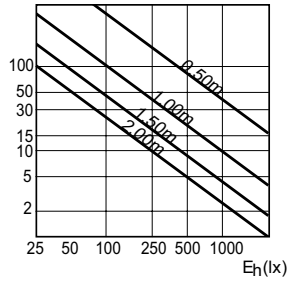
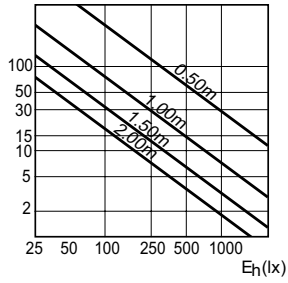


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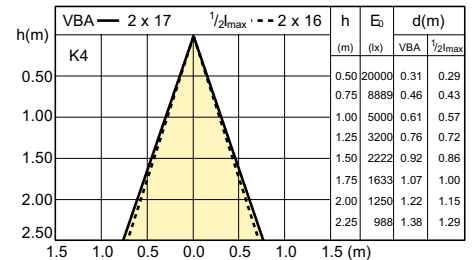
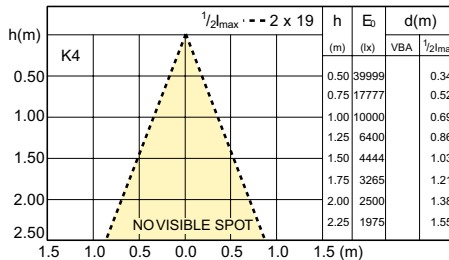
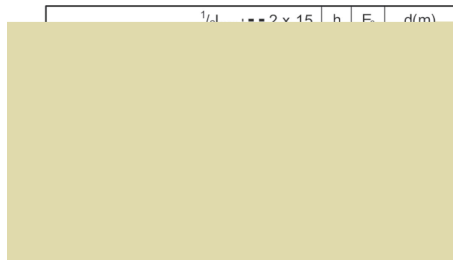
# MASTERColour CDM-R

## Accent Diagrams



LDAC\_CDM-R\_0008-Accent diagram

## Beam Diagrams



LDBE\_CDM-R\_0012-Beam diagram

LDBE\_CDM-R\_0007-Beam diagram

LDBE\_CDM-R\_0010-Beam diagram



LDBE\_CDM-R\_0008-Beam diagram

