



# **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**

- $\cdot$  High lamp efficacy results in low operating costs and low heat generation
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- $\boldsymbol{\cdot}$  Long lamp life compared with incandescent and halogen lamps
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- · Stable color impression over lifetime
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- 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
- $\boldsymbol{\cdot}$  Relatively low heat output enhances comfort for shoppers and staff
- Integrated UV-Block shield reduces fading risks

#### **Features**

- · Crisp white light
- · Warm or cool white colour impression with good colour rendering
- · Superior color quality
- High beam intensities are achieved very easy and efficiently from these compact reflector lamps
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#### **Application**

- · Shops and shop windows, offices and public buildings
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- $\cdot$  Decorative outdoor: floodlighting and pedestrian areas
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## **Warnings and Safety**

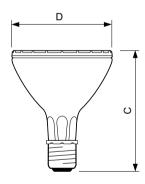
- · Control gear must include end-of-life protection (IEC61167, IEC 62035)
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- $\cdot$  Use only with electronic control gear. Color 830 lamps may also use electromagnetic gear.
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- A lamp breaking is 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.

## Versions



LPPR CDM-R 0001

# Dimensional drawing



General Information	
Operating Position	UNIVERSAL
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	PAR30L

# General Information

Product	D (max)	D	C (max)	С
MASTERC CDM-R 35W/830 E27 PAR30L 10D 1CT	97 mm	95 mm	123 mm	120 mm
MASTERC CDM-R 70W/830 E27 PAR30L 40D 1CT	97 mm	95 mm	123 mm	120 mm
MASTERC CDM-R 70W/942 E26 PAR30L 40D 1CT	97 mm	95 mm	120 mm	118 mm

# **MASTERColour CDM-R**

			Switching
Order Code	Full Product Name	Cap-Base	Cycle
928070900694	MASTERC CDM-R 35W/830 E27 PAR30L	E27	1,000
	10D 1CT		
928071200691	MASTERC CDM-R 70W/830 E27 PAR30L	E27	1,050
	40D 1CT		

			Switching
Order Code	Full Product Name	Cap-Base	Cycle
928087500610	MASTERC CDM-R 70W/942 E26 PAR30L	E26	-
	40D 1CT		

# Light Technical (1/2)

			Chromaticity	Chromaticity			Color	LLMF At End Of
		Beam Angle	Coordinate X	Coordinate Y		Correlated Color	rendering	Nominal
Order Code	Full Product Name	(Nom)	(Nom)	(Nom)	Color Designation	Temperature (Nom)	index (CRI)	Lifetime (Nom)
928070900694	MASTERC CDM-R 35W/830	10 degree(s)	0.431	0.400	Warm White (WW)	3000 K	81	48 %
	E27 PAR30L 10D 1CT							
928071200691	MASTERC CDM-R 70W/830	40 degree(s)	0.427	0.397	Warm White (WW)	3000 K	81	62 %
	E27 PAR30L 40D 1CT							
928087500610	MASTERC CDM-R 70W/942	40 degree(s)	0.371	0.366	Cool White (CW)	4200 K	93	-
	E26 PAR30L 40D 1CT							

# Light Technical (2/2)

			Luminous
Order Code	Full Product Name	Luminous Flux	Intensity (Nom)
928070900694	MASTERC CDM-R 35W/830 E27	2,150 lm	44,000 cd
	PAR30L 10D 1CT		
928071200691	MASTERC CDM-R 70W/830 E27	4,500 lm	9,500 cd
	PAR30L 40D 1CT		

			Luminous
Order Code	Full Product Name	Luminous Flux	Intensity (Nom)
928087500610	MASTERC CDM-R 70W/942 E26	-	9,000 cd
	PAR30L 40D 1CT		

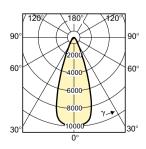
# Operating and Electrical

		Warm-up		
		time to 60%	Voltage	Power
Order Code	Full Product Name	light	(Nom)	Consumption
928070900694	MASTERC CDM-R	120 s	86 V	39.1 W
	35W/830 E27 PAR30L			
	10D 1CT			
928071200691	MASTERC CDM-R	120 s	90 V	73.2 W
	70W/830 E27 PAR30L			
	40D 1CT			

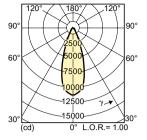
		Warm-up		
		time to 60%	Voltage	Power
Order Code	Full Product Name	light	(Nom)	Consumption
928087500610	MASTERC CDM-R	-	88 V	73.2 W
	70W/942 E26 PAR30L			
	40D 1CT			
	40D 1CT			

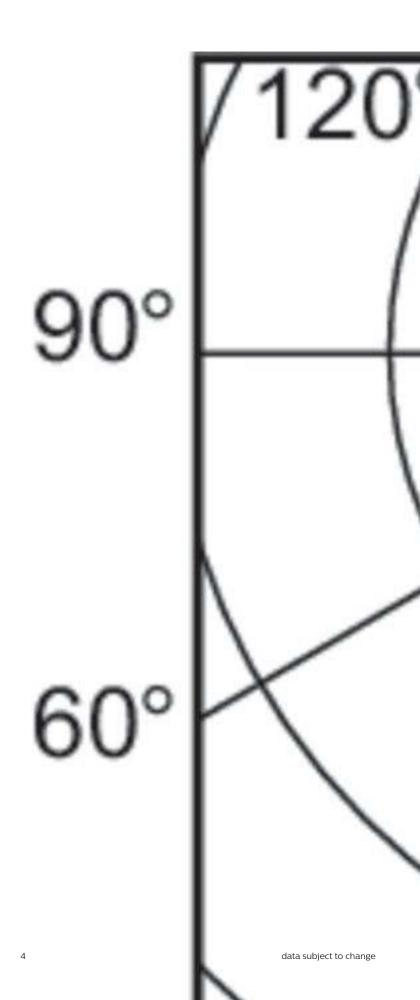
# **Approval and Application**

		Energy	
		Consumption kWh/	Mercury (Hg)
Order Code	Full Product Name	1000 h	Content (Nom)
928070900694	MASTERC CDM-R 35W/830	42 kWh	2.8 mg
	E27 PAR30L 10D 1CT		
928071200691	MASTERC CDM-R 70W/830	80 kWh	8.3 mg
	E27 PAR30L 40D 1CT		
928087500610	MASTERC CDM-R 70W/942	-	6.6 mg
	E26 PAR30L 40D 1CT		



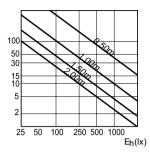
# **MASTERColour CDM-R**



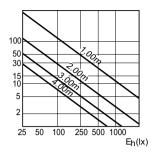


## **MASTERColour CDM-R**

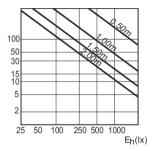
## **Accent Diagrams**



Accent Diagram - MASTERC CDM-R 70W/830 E27 PAR30L 40D 1CT

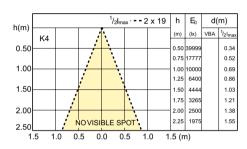


Accent Diagram - MASTERC CDM-R 70W/942 E26 PAR30L 40D 1CT



Accent Diagram - MASTERC CDM-R 35W/830 E27 PAR30L 10D 1CT

# **Beam Diagrams**



E<sub>0</sub> d(m) h(m) 1/21max 1/2E0 (lx) 1.00 0.65 0.60 1.50 5020 2.00 2824 0.97 0.89 2.00 1.29 1.19 1.61 1.49 3.00 3.00 1255 1.94 1.79 3.50 922 2.26 2.09 4.00 2.58 2.38 4.00 706 4.50 2.91 2.68 5.00 3.0 2.0 1.0 0.0 1.0 2.0 3.0 (m)

VBA E<sub>0</sub> d(m) h(m) 0.50 0.50 0.09 0.13 0.13 0.75 78222 1.00 1.00 44000 0.17 1.25 28160 0.22 0.22 1.50 1.50 19556 0.26 0.26 1.75 14367 0.31 0.31 2.00 2.00 11000 0.35 0.35 2.25 8691 0.39 0.39 1.0 0.5 0.0 0.5 1.0 1.5 (m)

Beam diagram - MASTERC CDM-R 70W/830 E27 PAR30L 40D 1CT Beam diagram - MASTERC CDM-R 70W/942 E26 PAR30L 40D 1CT Beam diagram - MASTERC CDM-R 35W/830 E27 PAR30L 10D 1CT



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