PHILIPS Lighting



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
- 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

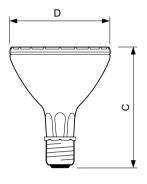
- · Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting and pedestrian areas

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.

MASTERColour CDM-R

Dimensional drawing



General Information	
Cap-Base	E27
Operating Position	UNIVERSAL
Light Technical	
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	3000 K
Color rendering index (CRI)	81
Operating and Electrical	
Warm-up time to 60% light	120 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	PAR30L

Product	D (max)	D	C (max)	С
MASTERC CDM-R 35W/830 E27 PAR30L 30D 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

General Information

Order Code	Full Product Name	Switching Cycle
928071000691	MASTERC CDM-R 35W/830 E27 PAR30L 30D 1CT	1,000
928071200691	MASTERC CDM-R 70W/830 E27 PAR30L 40D 1CT	1,050

Light Technical (1/2)

				LLMF At
				End Of
	Beam	Chromaticity	Chromaticity	Nominal
Full Product	Angle	Coordinate X	Coordinate Y	Lifetime
Name	(Nom)	(Nom)	(Nom)	(Nom)
MASTERC	30	0.431	0.400	48 %
CDM-R	degree(s)			
35W/830 E27				
PAR30L 30D				
1CT				
	Name MASTERC CDM-R 35W/830 E27 PAR30L 30D	Full ProductAngleName(Nom)MASTERC30CDM-Rdegree(s)35W/830 E27PAR30L 30D	Full ProductAngleCoordinate XName(Nom)(Nom)MASTERC300.431CDM-Rdegree(s)35W/830 E27PAR30L 30D	Full ProductAngleCoordinate XCoordinate YName(Nom)(Nom)(Nom)MASTERC300.4310.400CDM-Rdegree(s)

					LLMF At
					End Of
		Beam	Chromaticity	Chromaticity	Nominal
	Full Product	Angle	Coordinate X	Coordinate Y	Lifetime
Order Code	Name	(Nom)	(Nom)	(Nom)	(Nom)
928071200691	MASTERC	40	0.427	0.397	62 %
	CDM-R	degree(s)			
	70W/830 E27				
	PAR30L 40D				
	1CT				

Light Technical (2/2)

			Luminous
Order Code	Full Product Name	Luminous Flux	Intensity (Nom)
928071000691	MASTERC CDM-R 35W/830 E27	-	7,400 cd
	PAR30L 30D 1CT		

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

MASTERColour CDM-R

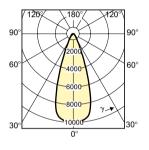
Operating and Electrical

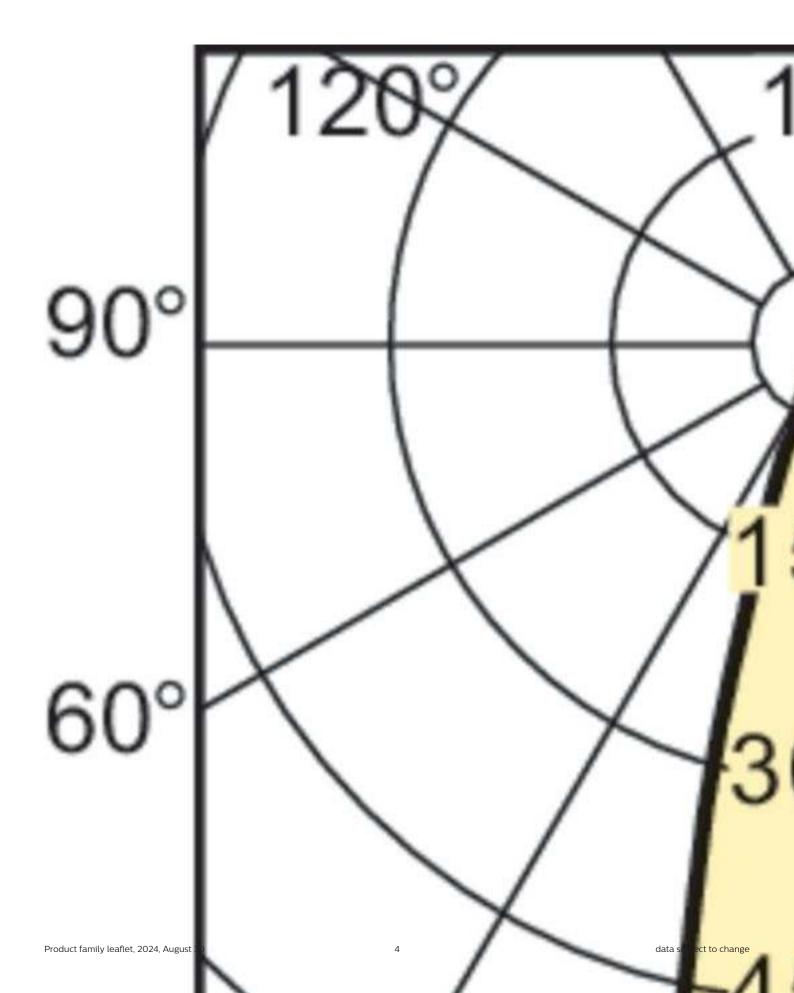
		Voltage	Power
Order Code	Full Product Name	(Nom)	Consumption
928071000691	MASTERC CDM-R 35W/830 E27	86 V	39.1 W
	PAR30L 30D 1CT		

		Voltage	Power
Order Code	Full Product Name	(Nom)	Consumption
928071200691	MASTERC CDM-R 70W/830 E27	90 V	73.2 W
	PAR30L 40D 1CT		

Approval and Application

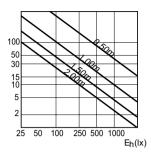
		Energy Consumption	Mercury (Hg)
Order Code	Full Product Name	kWh/1000 h	Content (Nom)
928071000691	MASTERC CDM-R 35W/830	42 kWh	2.8 mg
	E27 PAR30L 30D 1CT		
928071200691	MASTERC CDM-R 70W/830	80 kWh	8.3 mg
	E27 PAR30L 40D 1CT		

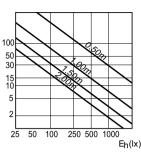




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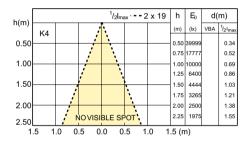
Accent Diagrams





Accent Diagram - MASTERC CDM-R 70W/830 E27 PAR30L 40D 1CT Accent Diagram - MASTERC CDM-R 35W/830 E27 PAR30L 30D 1CT

Beam Diagrams



h (m)		¹ / ₂ I _{max} · 2 x 15					h	E₀	d(m)
h(m)	К4			f.			(m)	(lx)	VBA	1/21 max
0.50	114		- /	1			0.50	29600		0.27
							0.75	13155		0.40
1.00			1				1.00	7400		0.54
			1				1.25			0.67
1.50			ĺ				1.50	3289		0.80
0.00							1.75			0.94
2.00		1			1		2.00	1850		1.07
2.50		1	IO VISI	BLE SF	OT		2.25	1462		1.21
1.	.5 1	.0 0	.5 0	.0 0	.5 1	.0 1	.5 (n	n)		

Beam diagram - MASTERC CDM-R 70W/830 E27 PAR30L 40D 1CT Beam diagram - MASTERC CDM-R 35W/830 E27 PAR30L 30D 1CT



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