

PHILIPS

Lighting



MASTERColour CDM-R

MASTERColour CDM-R 70W/830 E27 PAR30L 40D 1CT

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

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.

Product data

General Information	
Cap base	E27 [E27]
Burning Position	UNIVERSAL [Any/Universal]
Life to 5% failures (nom.)	5500 h
Life to 20% failures (nom.)	8000 h
Life to 50% failures (nom.)	12000 h
Switching cycle	1,050X

Light Technical	
Colour Code	830 [CCT of 3,000 K]
Technical Beam Angle (Nom)	40 °
Beam angle technical	37.5 °
Beam angle technical	46.9 °
Beam angle technical	28.1 °
Lamp Luminous Flux (Nom)	4600 lm
Luminous intensity (nom.)	9500 cd
Beam description	Flood [Flood]

Colour Designation	Warm white (WW)
Chromaticity coordinate X (nom.)	0.427
Chromaticity coordinate Y (nom.)	0.397
Colour Temperature, horizontal (Nom)	3000 K
Colour Rendering Index,horiz (Nom)	81
LLMF at end of nominal lifetime (nom.)	62 %
Luminous flux in 90° cone (rated)	4100 lm

Operating and Electrical	
Power (Rated) (Nom)	73 W
Lamp current (EM) (nom.)	0.97 A
Ignition supply voltage (max.)	198 V
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	198 V
Re-ignition time (min.) (max.)	15 min
Warm-up time to 60% light (nom.)	120 s
Ignition time (max.)	30 s

MASTERCcolour CDM-R

Voltage (Max)	100 V
Voltage (Min)	82 V
Voltage (Nom)	90 V

Controls and Dimming

Dimmable	No
Run-up time 90% (max.)	3 min

Mechanical and Housing

Lamp Finish	Clear
-------------	-------

Approval and Application

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	8.3 mg
Energy consumption kWh/1,000 hours	80 kWh

Luminaire Design Requirements

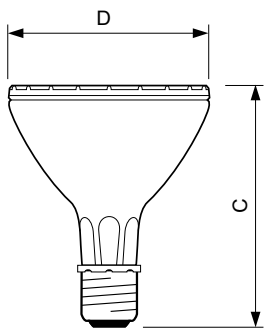
Bulb temperature (max.)	300 °C
-------------------------	--------

Cap-base temperature (max.)	200 °C
-----------------------------	--------

Product Data

Full product code	871150021174300
Order product name	MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT
EAN/UPC – product	8711500211743
Order code	928071200691
SAP numerator – quantity per pack	1
Numerator – packs per outer box	6
SAP material	928071200691
SAP net weight (piece)	0.225 kg
ILCOS code	MRS/UB-70/830-H-E27-95/125/40

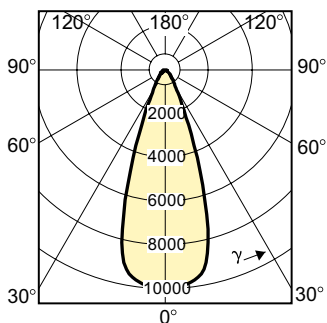
Dimensional drawing



CDM-R 70W/830 E27 PAR30L 40D

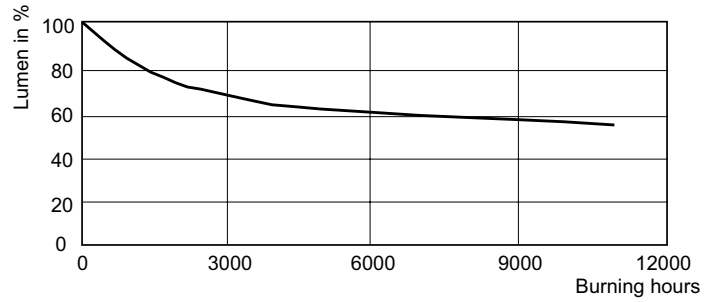
Product	D (max)	D	C (max)	C
MASTERCcolour CDM-R 70W/830 E27 PAR30L 40D 1CT	97 mm	95 mm	123 mm	120 mm

Photometric data



MASTERCcolour CDM-R

Lifetime



LDLM_CDM-R_70W_830_PAR30L-Lumen maintenance diagram

