



High efficiency with a crisp, sparkling light

MasterColor CDM PAR30L

Philips MasterColor® Ceramic Metal Halide PAR30L Lamps offer high-efficiency, ceramic metal halide reflector lamps with a stable color over lifetime and a crisp, sparkling light.

Benefits

- Philips MC PAR30L lamps deliver improved lumen maintenance over standard metal halide PAR lamps.
- Philips MC PAR30L lamps reduce lighting cost of ownership - they are an energy efficient alternative to incandescent or halogen PAR lamps.

Features

- Superior color stability— within $\pm 200\text{K}$
- Lamp to lamp color consistency over life higher lumen maintenance
- Improved lumen maintenance over standard metal halide
- Feature ALTO lamp technology with reduced mercury
- Operate on existing ballasts
- Lamps feature integrated UV blocking medium for reduced fading of fabrics and paintings
- 35 and 70 watt flood and spot, 3000, and 4000K versions

Application

- Ideal for retail accent and display lighting and architectural lighting for interior and exterior applications.

Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

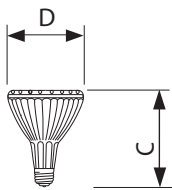
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Related products



PAR30L Med. Base

Dimensional drawing



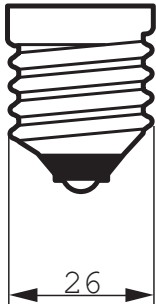
MasterColor CDM 35W/830 Med PAR30L FL 1CT

Product	C (Max)	D (Norm)
CDM 35W/830 E26 PAR30L FL 30D U FB	4.750	3.740
CDM 70W/830 E26 PAR30L FL 40D U FB	4.750	3.740
CDM 70W/830 E26 PAR30L SP 10D U FB	4.750	3.740
CDM 35W/830 E26 PAR30L SP 10D U FB	4.750	3.740
CDM 70W/942 E26 PAR30L SP 10D U FB	4.750	3.82
CDM 70W/942 E26 PAR30L FL 40D U FB	4.750	3.82
CDM 20W/830 E26 PAR30L FL 30D U FB	4.72	3.81
CDM 20W/830 E26 PAR30L SP 8D U FB	4.72	3.81

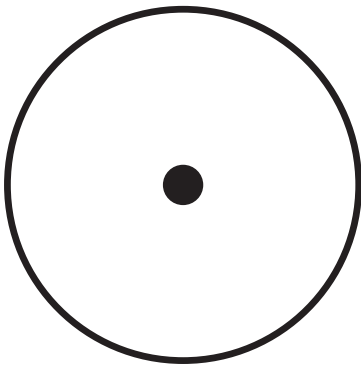
General Characteristics

Order code	Full product name	Base	Bulb	Bulb Material	Bulb Finish	Operating Position	Main Application	RatedAvgLife(See Family Notes)
928601133104	MasterColor CDM 35W/830 Med PAR30L FL 1CT	Medium	PAR30L	Hard Glass	Reflector	Universal	General Lighting	9000 hr
928601133201	MasterColor CDM 70W/830 Med PAR30L FL 1CT	Medium	PAR30L	Hard Glass	Reflector	Universal	General Lighting	11000 hr
928601133301	MasterColor CDM 70W/830 Med PAR30L SP 1CT	Medium	PAR30L	Hard Glass	Reflector	Universal	General Lighting	11000 hr
928601133603	MasterColor CDM 35W/830 Med PAR30L SP 1CT	Medium	PAR30L	Hard Glass	Reflector	Universal	General Lighting	9000 hr
928601158501	MasterColor CDM 70W/942 Med PAR30L SP 1CT	Medium	PAR30L	Hard Glass	Reflector	Universal	General Lighting	9000 hr
928601158601	MasterColor CDM 70W/942 Med PAR30L FL 1CT	Medium	PAR30L	Hard Glass	Reflector	Universal	General Lighting	9000 hr
928601163602	MasterColor CDM 20W/830 Med PAR30L FL 1CT	Medium	PAR30L	Hard Glass	Reflector	Universal	General Lighting	9000 hr
928601163902	MasterColor CDM 20W/830 Med PAR30L SP 1CT	Medium	PAR30L	Hard Glass	Reflector	Universal	General Lighting	9000 hr

Installation diagrams



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Light Technical Characteristics (1/2)

Order code	Full product name	Beam Description	Beam Angle	Approx. MBCP	Color Code	Color Rendering Index	Color Designation	Color Temperature	Initial Lumens	Luminous Efficacy Lamp	Lumen Maintenance 2000h
928601133104	MasterColor CDM 35W/830 Med PAR30L FL 1CT	Flood	30 D	7400 cd	830	75 (min), 81 (nom) Ra8	-	3000 K	2200 Lm	62.9 Lm/W	70 %
928601133201	MasterColor CDM 70W/830 Med PAR30L FL 1CT	Flood	40 D	10000 cd	830	78 (min), 82 (nom) Ra8	-	3000 K	5000 Lm	71.4 Lm/W	-
928601133301	MasterColor CDM 70W/830 Med PAR30L SP 1CT	Spot	10 D	68000 cd	830	78 (min), 82 (nom) Ra8	-	3000 K	5000 Lm	71.4 Lm/W	-
928601133603	MasterColor CDM 35W/830 Med PAR30L SP 1CT	Spot	10 D	44000 cd	830	75 (min), 81 (nom) Ra8	-	3000 K	2200 Lm	62.9 Lm/W	70 %
928601158501	MasterColor CDM 70W/942 Med PAR30L SP 1CT	Spot	10 D	63000 cd	942	89 (min), 94 (nom) Ra8	Cool White	4200 K	4300 Lm	61.4 Lm/W	-

Order code	Full product name	Beam Description	Beam Angle	Approx. MBCP	Color Code	Color Rendering Index	Color Designation	Color Temperature	Initial Lumens	Luminous Efficacy Lamp	Lumen Maintenance 2000h
928601158601	MasterColor CDM 70W/942 Med PAR30L FL 1CT	Flood	40 D	9000 cd	942	89 (min), 94 (nom) Ra8	Cool White	4200 K	4300 Lm	61.4 Lm/W	-
928601163602	MasterColor CDM 20W/830 Med PAR30L FL 1CT	Flood	30 D	-	830	75 (min), 81 (nom) Ra8	Cool White	3000 K	1200 Lm	55 Lm/W	70 %
928601163902	MasterColor CDM 20W/830 Med PAR30L SP 1CT	Spot	8 D	32000 cd	830	75 (min), 81 (nom) Ra8	Cool White	3000 K	1200 Lm	55 Lm/W	70 %

Light Technical Characteristics (2/2)

Order code	Full product name	Lumen Maintenance 5000h	Design Mean Lumens	Chromaticity Coordinate X	Chromaticity Coordinate Y
928601133104	MasterColor CDM 35W/830 Med PAR30L FL 1CT	55 %	1760 Lm	431 -	400 -
928601133201	MasterColor CDM 70W/830 Med PAR30L FL 1CT	65 %	3050 Lm	432 -	390 -
928601133301	MasterColor CDM 70W/830 Med PAR30L SP 1CT	65 %	3050 Lm	432 -	390 -
928601133603	MasterColor CDM 35W/830 Med PAR30L SP 1CT	55 %	1600 Lm	431 -	400 -
928601158501	MasterColor CDM 70W/942 Med PAR30L SP 1CT	55 %	3010 Lm	0.371 -	0.366 -
928601158601	MasterColor CDM 70W/942 Med PAR30L FL 1CT	65 %	3010 Lm	0.371 -	0.366 -
928601163602	MasterColor CDM 20W/830 Med PAR30L FL 1CT	55 %	-	0.434 -	0.398 -
928601163902	MasterColor CDM 20W/830 Med PAR30L SP 1CT	55 %	-	0.434 -	0.398 -

Order code	Full product name	Energy Used	Lamp Voltage	Lamp Current
928601133301	MasterColor CDM 70W/830 Med PAR30L SP 1CT	70 W	102 V	0.93 A
928601133603	MasterColor CDM 35W/830 Med PAR30L SP 1CT	35 W	88 V	0.525 A
928601158501	MasterColor CDM 70W/942 Med PAR30L SP 1CT	70 W	88 V	0.83 A
928601158601	MasterColor CDM 70W/942 Med PAR30L FL 1CT	70 W	88 V	0.83 A
928601163602	MasterColor CDM 20W/830 Med PAR30L FL 1CT	20 W	100 V	0.22 A
928601163902	MasterColor CDM 20W/830 Med PAR30L SP 1CT	20 W	100 V	0.22 A

Environmental Characteristics

Order code	Full product name	Mercury (Hg) Content
928601133104	MasterColor CDM 35W/830 Med PAR30L FL 1CT	2.84 (max) mg
928601133201	MasterColor CDM 70W/830 Med PAR30L FL 1CT	10.1 (max) mg
928601133301	MasterColor CDM 70W/830 Med PAR30L SP 1CT	10.1 (max) mg
928601133603	MasterColor CDM 35W/830 Med PAR30L SP 1CT	2.84 (max) mg
928601163602	MasterColor CDM 20W/830 Med PAR30L FL 1CT	2.4 (max) mg
928601163902	MasterColor CDM 20W/830 Med PAR30L SP 1CT	2.4 (max) mg

Electrical Characteristics

Order code	Full product name	Energy Used	Lamp Voltage	Lamp Current
928601133104	MasterColor CDM 35W/830 Med PAR30L FL 1CT	35 W	88 V	0.525 A
928601133201	MasterColor CDM 70W/830 Med PAR30L FL 1CT	70 W	102 V	0.93 A

Luminaire Design Requirements

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
928601133104	MasterColor CDM 35W/830 Med PAR30L FL 1CT	200 (max) C	300 (max) C
928601133201	MasterColor CDM 70W/830 Med PAR30L FL 1CT	200 (max) C	300 (max) C
928601133301	MasterColor CDM 70W/830 Med PAR30L SP 1CT	200 (max) C	300 (max) C

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
928601133603	MasterColor CDM 35W/830 Med PAR30L SP 1CT	200 (max) C	300 (max) C
928601158501	MasterColor CDM 70W/942 Med PAR30L SP 1CT	200 (max) C	300 (max) C
928601158601	MasterColor CDM 70W/942 Med PAR30L FL 1CT	200 (max) C	300 (max) C

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
928601163602	MasterColor CDM 20W/830 Med PAR30L FL 1CT	200 (max) C	300 (max) C
928601163902	MasterColor CDM 20W/830 Med PAR30L SP 1CT	200 (max) C	300 (max) C



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2014, April 21
data subject to change