



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.

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

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.

Application

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

Notes

- 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)
- Requires a ballast specified or approved for Philips Metal Halide lamp or one designed to the indicated ANSI Standard. A pulse ignitor is required. Sockets and wiring must withstand starting pulse. (391)

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- Supply volts must be +/- 5% of rated ballast line volts for reactor type and +/- 10% for CWA or electronic ballasts. (392)
- UV filtered design (FadeBlock™). (396)
- MasterColor® Metal Halide Lamps are not recommended for use on dimmers and are not warranted if used on dimmer systems. (401)
- Rated average life is the life obtained, on the average, from large representative groups of lamps in laboratory tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 50% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average. For lamps with a rated average life of 24,000 hours, life is based on survival of 67% of the lamps. (351)
- Approximate lumen values listed are for vertical operation of the lamp. (352)
- Means Lumens is the approximate lumen output at 40% of lamp rated average life. (353)
- Heat resisting glass bulb.

Product number	Full product name
211409	MasterColor CDM 20W/830 Med PAR30L FL ICT
211490	MasterColor CDM 20W/830 Med PAR30L SP ICT
223305	MasterColor CDM 35W/830 Med PAR30L FL ICT
223297	MasterColor CDM 35W/830 Med PAR30L SP ICT
232215	MasterColor CDM 70W/830 Med PAR30L FL ICT
232249	MasterColor CDM 70W/830 Med PAR30L SP ICT
151431	MasterColor CDM 70W/942 Med PAR30L Flood Univ
151423	MasterColor CDM 70W/942 Med PAR30L Spot Univ

Legend

Column	Value	Explanation
Watts	20	
	35	
	70	
Color Code	830	CCT of 3000K
	942	CCT of 4200K
Base	Medium	Single Contact Medium Screw
Packing Type	ICT	1 Lamp in a Folding Carton
Bulb	PAR30L	PAR 3.75 inch/95mm Long
Beam Description	Flood	Flood
	Spot	
Beam Angle	30	
	8	
	10	
	40	
Operating Position	Universal	Any or Universal (U)
Feature	FadeBlock™	

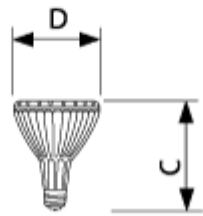
Basic specifications - Lamps

Product number	[Watts]	Color Code	Base	Packing Type	ANSI Code	Color Designation	Base Info	Bulb Material	Bulb Finish	Packing Configuration
211409	20	830	Medium	ICT	M175	Cool White	Nic/Brass	Hard Glass	Reflector	6
211490	20	830	Medium	ICT	M175	Cool White	Nic/Brass	Hard Glass	Reflector	6
223305	35	830	Medium	ICT	M130/O		Nic/Brass	Hard Glass	Reflector	6
223297	35	830	Medium	ICT	M130/O		Nic/Brass	Hard Glass	Reflector	6
232215	70	830	Medium	ICT	M143/M98/O		Nic/Brass	Hard Glass	Reflector	6
232249	70	830	Medium	ICT	M143/M98/O		Nic/Brass	Hard Glass	Reflector	6
151431	70	942	Medium	ICT	M139/O	Cool White	Nic/Brass	Hard Glass	Reflector	6
151423	70	942	Medium	ICT	M139/O	Cool White	Nic/Brass	Hard Glass	Reflector	6

Product number	Bulb	Beam Description	Beam Angle [°]	Operating Position	Feature	Rated Avg. Life [Hrs]	Ordering Code	UPC	Case Bar Code
211409	PAR30L	Flood	30	Universal	FadeBlock™	9000 hr [nom]	CDM 20/ PAR30L/M/ FL/3K	046677211400	50046677211405
211490	PAR30L	Spot	8	Universal	FadeBlock™	9000 hr [nom]	CDM205/ PAR30L/M/ SP/3K	046677211493	50046677211498
223305	PAR30L	Flood	30	Universal	FadeBlock™	9000 hr [nom]	CDM 35/ PAR30L/M/ FL	046677223304	50046677223309
223297	PAR30L	Spot	10	Universal	FadeBlock™	9000 hr [nom]	CDM 35/ PAR30L/M/ SP	046677223298	50046677223293
232215	PAR30L	Flood	40	Universal	FadeBlock™	11000 hr [nom]	CDM 70/ PAR30L/M/ FL	046677232214	50046677232219
232249	PAR30L	Spot	10	Universal	FadeBlock™	11000 hr [nom]	CDM 70/ PAR30L/M/ SP	046677232245	50046677232240
151431	PAR30L	Flood	40	Universal	FadeBlock™	9000 hr [nom]	CDM70 PAR30L/M/ FL/4K (942)	046677151430	50046677151435
151423	PAR30L	Spot	10	Universal	FadeBlock™	9000 hr [nom]	CDM70 PAR30L/M/ SP/4K (942)	046677151423	50046677151428

Product number	Lamp Voltage [V]	Mercury (Hg) Content [mg]	Color Rendering Index [Ra]	Color Temperature [K]	Initial Lumens [lm]	Max Overall Length C [inch]	Diameter D Diameter [inch]	Product Number	Approx MBCP [cd]	Mean Lumens
211409	91 V [min] 100 V [nom] 110 V [max]	2.4 [max]	75 Ra8 [min] 81 Ra8 [nom]	3000 K [nom]	1200 Lm [nom]	4.72	3.81	211409		
211490	91 V [min] 100 V [nom] 110 V [max]	2.4 [max]	75 Ra8 [min] 81 Ra8 [nom]	3000 K [nom]	1200 Lm [nom]	4.72	3.81	211490	21600 cd [min] 32000 cd [nom]	

Product number	Lamp Voltage [V]	Mercury (Hg) Content [mg]	Color Rendering Index [Ra]	Color Temperature [K]	Initial Lumens [lm]	Max Overall Length C [inch]	Diameter D Diameter [inch]	Product Number	Approx MBCP [cd]	Mean Lumens
223305	80 V [min] 88 V [nom] 96 V [max]	2.84 [max]	75 Ra8 [min] 81 Ra8 [nom]	3000 K [nom]	2200 Lm [nom]	4.750	3.740	223305	7400 cd [nom]	1760 Lm [nom]
223297	80 V [min] 88 V [nom] 96 V [max]	2.84 [max]	75 Ra8 [min] 81 Ra8 [nom]	3000 K [nom]	2200 Lm [nom]	4.750	3.740	223297	44000 cd [nom]	1600 Lm [nom]
232215	94 V [min] 102 V [nom] 110 V [max]	10.1 [max]	82 [nom]	3000 K [nom]	5000 Lm [nom]	4.750	3.740	232215	10000 cd [nom]	3050 Lm [nom]
232249	94 V [min] 102 V [nom] 110 V [max]	10.1 [max]	82 [nom]	3000 K [nom]	5000 Lm [nom]	4.750	3.740	232249	68000 [nom]	3050 Lm [nom]
151431	75 V [min] 88 V [nom] 100 V [max]		89 Ra8 [min] 94 Ra8 [nom]	4200 K [nom]	4300 Lm [nom]	4.750	3.82	151431	9000 cd [nom]	3010 Lm [nom]
151423	75 V [min] 88 V [nom] 100 V [max]		89 Ra8 [min] 94 Ra8 [nom]	4200 K [nom]	4300 Lm [nom]	4.750	3.82	151423	63000 cd [nom]	3010 Lm [nom]



Data not (yet) available

CDM PAR30L



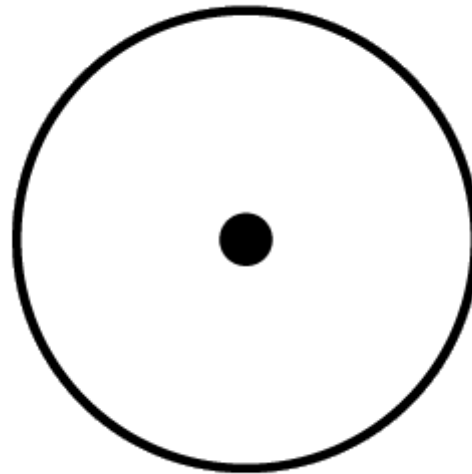
CDM PAR30L FL



CDM PAR30L SP



Base Medium



Operating Position Universal



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Document order number : 0000 000 00000