



Unrivalled performance, familiar shape

MasterColor CDM ED17 Protected Elite 4200K

MasterColor Elite Protected Ceramic Metal Halide ED-17 4200K Lamps provide excellent lumen maintenance and outstanding performance over time in a protected lamp.

Benefits

- Excellent color - Up to 93 CRI (color rendering index)
- Color stability over life within +/- 200 K
- Lamp to lamp color consistency over life
- High lamp efficacy
- Elite 50W lamp provides 29% more initial lumens as compared to a standard MasterColor Protected CMH ED-17 50W lamp*
- Elite 50W lamp provided 52% more mean lumens as compared to a standard MasterColor Protected CMH ED-17 50W lamp+
- * Philips MasterColor Elite Protected CMH ED-17 4200K 50W Lamps provide 4645 initial lumens compared to MasterColor Protected ED-17 50W lamp at 3600 initial lumens.
- + Philips MasterColor Elite Protected CMH ED-17 4200K 50W Lamps provide 3716 mean lumens compared to MasterColor Protected ED-17 50W lamp at 2450 mean lumens.

PHILIPS

Related products



E26, ED-17P, CL, Elite,70-100W /940

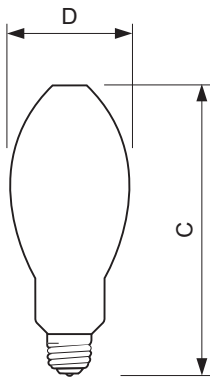


E26, ED-17P, CL, Elite, 50W /940



E26 ED17, ED-17P Coated

Dimensional drawing



MasterColor CDM 50W ED17P CL U ELITE/4K

Product	C (Max)	D (Nom)
MHC P 50W/940 E26 ED17P CL U ELITE	5.438	2.125
MHC P 70W/940 E26 ED17P CL U ELITE	5.438	2.125
MHC P 70W/940 E26 ED17P CO U ELITE	5.438	2.125
MHC P 100W/940 E26 ED17P CL U ELITE	5.438	2.125
MHC P 100W/940 E26 ED17P CO U ELITE	5.438	2.125

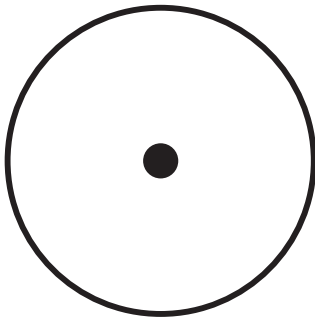
General Characteristics

Product number	Full product name	Base	Bulb	Bulb Material	Bulb Finish	Operating Position	Main Application	RatedAvgLife(See Family Notes)
429950	MasterColor CDM 70W ED17P CL U ELITE/4K	Medium	ED17P	Hard Glass	Clear	Universal	General Lighting	20000 hr
429936	MasterColor CDM 100W ED17P CL U ELITE/4K	Medium	ED17P	Hard Glass	Clear	Universal	General Lighting	20000 hr
429944	MasterColor CDM 50W ED17P CL U ELITE/4K	Medium	ED17P	Hard Glass	Clear	Universal	General Lighting	20000 hr
429976	MasterColor CDM 70W ED17P CO U ELITE/4K	Medium	ED17P	Hard Glass	Coated	Universal	General Lighting	20000 hr
429968	MasterColor CDM 100W ED17P CO U ELITE/4K	Medium	ED17P	Hard Glass	Coated	Universal	General Lighting	20000 hr

Installation diagrams



E26



any

Light Technical Characteristics (1/2)

Product number	Full product name	Color Code	Color Rendering Index	Color Designation	Color Temperature	Initial Lumens	Luminous Efficacy Lamp	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lumen Maintenance - 10% life	Lumen Maintenance - 40% life
429950	MasterColor CDM 70W ED17P CL U ELITE/4K	940	87 (min), 90 (nom) Ra8	Cool White	4000 K	6500 Lm	88 Lm/W	%	%	90 %	80 %
429936	MasterColor CDM 100W ED17P CL U ELITE/4K	940	87 (min), 90 (nom) Ra8	Cool White	4000 K	9400 Lm	94 Lm/W	%	%	90 %	80 %
429944	MasterColor CDM 50W ED17P CL U ELITE/4K	940	87 (min), 90 (nom) Ra8	Cool White	4000 K	4800 Lm	92 Lm/W	%	%	90 %	80 %
429976	MasterColor CDM 70W ED17P CO U ELITE/4K	940	87 (min), 90 (nom) Ra8	Cool White	4000 K	5900 Lm	84 Lm/W	%	%	90 %	80 %
429968	MasterColor CDM 100W ED17P CO U ELITE/4K	940	87 (min), 90 (nom) Ra8	Cool White	4000 K	8700 Lm	87 Lm/W	%	%	90 %	80 %

Light Technical Characteristics (2/2)

Product number	Full product name	Design Mean Lumens	Chromaticity Coordinate X	Chromaticity Coordinate Y
429950	MasterColor CDM 70W ED17P CL U ELITE/4K	4960 Lm	0.432 (min), 0.441 (nom), 0.450 (max)	0.390 (min), 0.392 (nom), 0.402 (max)
429936	MasterColor CDM 100W ED17P CL U ELITE/4K	7520 Lm	0.373 (min), 0.382 (nom), 0.391 (max)	0.362 (min), 0.371 (nom), 0.377 (max)
429944	MasterColor CDM 50W ED17P CL U ELITE/4K	3680 Lm	0.368 (min), 0.377 (nom), 0.386 (max)	0.361 (min), 0.367 (nom), 0.373 (max)
429976	MasterColor CDM 70W ED17P CO U ELITE/4K	4720 Lm	0.373 (min), 0.382 (nom), 0.391 (max)	0.357 (min), 0.363 (nom), 0.369 (max)
429968	MasterColor CDM 100W ED17P CO U ELITE/4K	6960 Lm	0.380 (min), 0.389 (nom), 0.398 (max)	0.369 (min), 0.375 (nom), 0.381 (max)

Electrical Characteristics

Product number	Full product name	Watts	Lamp Voltage	Lamp Current
429950	MasterColor CDM 70W ED17P CL U ELITE/4K	70 W	100 V	0.9 A
429936	MasterColor CDM 100W ED17P CL U ELITE/4K	100 W	103 V	1.1 A
429944	MasterColor CDM 50W ED17P CL U ELITE/4K	50 W	88 V	0.67 A
429976	MasterColor CDM 70W ED17P CO U ELITE/4K	70 W	100 V	0.9 A
429968	MasterColor CDM 100W ED17P CO U ELITE/4K	100 W	103 V	1.1 A

Environmental Characteristics

Product number	Full product name	Mercury (Hg) Content	Picogram per Lumen Hour
429950	MasterColor CDM 70W ED17P CL U ELITE/4K	7.1 (max) mg	76 p/LuHr
429936	MasterColor CDM 100W ED17P CL U ELITE/4K	10.3 (max) mg	68 p/LuHr
429944	MasterColor CDM 50W ED17P CL U ELITE/4K	5.4 (max) mg	76 p/LuHr
429976	MasterColor CDM 70W ED17P CO U ELITE/4K	7.1 (max) mg	79 p/LuHr
429968	MasterColor CDM 100W ED17P CO U ELITE/4K	10.3 (max) mg	74 p/LuHr

Luminaire Design Requirements

Product number	Full product name	Cap-Base Temperature	Bulb Temperature
429950	MasterColor CDM 70W ED17P CL U ELITE/4K	190 (max) C	400 (max) C
429936	MasterColor CDM 100W ED17P CL U ELITE/4K	190 (max) C	400 (max) C
429944	MasterColor CDM 50W ED17P CL U ELITE/4K	190 (max) C	400 (max) C
429976	MasterColor CDM 70W ED17P CO U ELITE/4K	190 (max) C	400 (max) C
429968	MasterColor CDM 100W ED17P CO U ELITE/4K	190 (max) C	400 (max) C



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data subject to change