



## Unrivaled 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

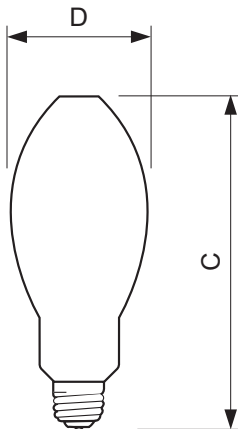


E26, ED-17P, CL, Elite, 50W /940



E26 ED17, ED-17P Coated

Dimensional drawing



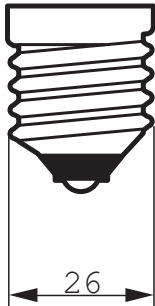
MasterColor CDM 50W ED17P CL U ELITE/4K

Product	C (Max)	D (Norm)
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

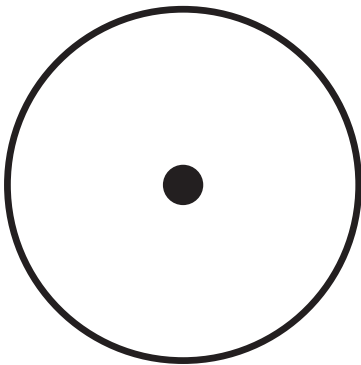
General Characteristics

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