



# Enhanced performance, familiar shape

## MasterColor CDM ED17 Elite 4200K

MasterColor Elite Ceramic Metal Halide ED-17 4200K Lamps provide excellent lumen maintenance and outstanding performance over time in the familiar ED-17 lamp shape.

### Advantages

- 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 (up to 100 LPW)
- Elite 50W lamp provides 27% more initial lumens as compared to a standard MasterColor ED-17 50W lamp\*
- Elite 50W lamp provides 50% more mean lumens as compared to a standard MasterColor ED-17 50W lamp+
- \* MasterColor Elite ED-17 4200K 50W Lamps provides 4779 initial lumens compared to MasterColor ED-17 50W lamp at 3750 initial lumens.
- + MasterColor Elite ED-17 4200K 50W Lamps provides 3823 mean lumens compared to MasterColor ED-17 50W lamp at 2550 mean lumens.

### Fonctions

- Application versatility
- Universal operating position
- Dimension, base and light center length are same as standard MasterColor ED-17 lamps
- Available in 50W, 70W and 100W Elite lamps.

### Application

- Ideal for general lighting, downlighting, and flood lighting.

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## Mises en garde et sécurité

- 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)
- WARNING: The arc-tube of metal halide lamps are designed to operate under high pressure and at temperatures up to 1000°C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. If the arc-tube ruptures for any reason, the outer bulb may break and pieces of extremely hot glass might be discharged into the surrounding environment. If such a rupture were to happen, THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.
- Certain lamps that will retain all the glass particles should inner arc tube rupture occur are commercially available from Philips Lighting Company.
- RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE. Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

Renseignements généraux	
Culot	E26
Durée de vie jusqu'à 50% des défaillances (nom.)	20000 h
Application principale	General Lighting (G)
Position de fonctionnement	Universal
Exigences relatives à la conception de luminaires	
Température de l'ampoule (max.)	400 °C
Données techniques sur l'éclairage	
Désignation de couleur	Cool White (CW)
Température selon la couleur corrélée (nom.)	4200 K
Maintien du flux lumineux – 10 % de la durée de vie	90 %
Maintien du flux lumineux – 40 % de la durée de vie	80 %
Mécanique et boîtier	
Matériau de l'ampoule	Hard Glass
Forme de l'ampoule	BD17

## Approbation et utilisation

Order Code	Full Product Name	Contenu en mercure (Hg) (max.)	Picogrammes par lumen et par heure
429928	MHC50/U/M/4K ELITE	5,4 mg	74 pg/lm.h
429902	MHC70/U/M/4K ELITE	7,1 mg	71 pg/lm.h
429886	MHC100/U/M/4K ELITE	9,9 mg	64 pg/lm.h
429910	MHC70/C/U/M/4K ELITE	7,1 mg	76 pg/lm.h

## Fonctionnement et électricité (1/2)

Order Code	Full Product Name	Courant de la lampe (nom.)	Tension (max.)	Tension (min.)	Tension (nom.)
429928	MHC50/U/M/4K ELITE	0,68 A	95 V	80 V	85 V
429902	MHC70/U/M/4K ELITE	0,91 A	110 V	90 V	95 V

Order Code	Full Product Name	Courant de la lampe (nom.)	Tension (max.)	Tension (min.)	Tension (nom.)
429886	MHC100/U/M/4K ELITE	1,1 A	108 V	91 V	98 V
429910	MHC70/C/U/M/4K ELITE	0,91 A	110 V	90 V	95 V

## Fonctionnement et électricité (2/2)

Order Code	Full Product Name	Puissance (nom.)	Temps de réamorçage (min.) (max.)
429928	MHC50/U/M/4K ELITE	-	8 min

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Order Code	Full Product Name	Temps de réamorçage (min.)	
		Puissance (nom.)	(max.)
429902	MHC70/U/M/4K ELITE	70,4 W	8 min
429886	MHC100/U/M/4K ELITE	100,4 W	6 min

Order Code	Full Product Name	Temps de réamorçage (min.)	
		Puissance (nom.)	(max.)
429910	MHC70/C/U/M/4K ELITE	70,4 W	8 min

## Données techniques sur l'éclairage (1/3)

Order Code	Full Product Name	Coordonnée X de	Coordonnée X de	Coordonnée X de	Coordonnée X de
		chromaticité (max.)	chromaticité (min.)	chromaticité (nom.)	chromaticité (max.)
429928	MHC50/U/M/4K ELITE	0,380	0,365	0,371	0,375
429902	MHC70/U/M/4K ELITE	0,379	0,361	0,37	0,366

Order Code	Full Product Name	Coordonnée X de	Coordonnée X de	Coordonnée X de	Coordonnée X de
		chromaticité (max.)	chromaticité (min.)	chromaticité (nom.)	chromaticité (max.)
429886	MHC100/U/M/4K ELITE	0,388	0,370	0,379	0,377
429910	MHC70/C/U/M/4K ELITE	0,379	0,361	0,370	0,368

## Données techniques sur l'éclairage (2/3)

Order Code	Full Product Name	Coordonnée Y de chromaticité	Coordonnée Y de chromaticité	Code de couleur	Indice de rendu des couleurs	Indice de rendu des couleurs	Efficacité lumineuse (nominale)	Efficacité lumineuse (nominale)	Flux lumineux moyen de la conception	Flux lumineux (nominal)
		(min.)	(nom.)		(min.)	(nom.)	(min.)	(nom.)	(min.)	(nominal)
429928	MHC50/U/M/4K ELITE	0,363	0,369	842	87	90	88 lm/W	98 lm/W	3700 lm	4400 lm
429902	MHC70/U/M/4K ELITE	0,354	0,360	842	85	88	90 lm/W	97 lm/W	5280 lm	6120 lm
429886	MHC100/U/M/4K ELITE	0,365	0,371	942	87	90	96 lm/W	100 lm/W	8000 lm	9000 lm
429910	MHC70/C/U/M/4K ELITE	0,356	0,362	842	85	88	84 lm/W	88 lm/W	4960 lm	5600 lm

## Données techniques sur l'éclairage (3/3)

Order Code	Full Product Name	Flux lumineux (nominal) (nom.)
429928	MHC50/U/M/4K ELITE	4900 lm
429902	MHC70/U/M/4K ELITE	6800 lm

Order Code	Full Product Name	Flux lumineux (nominal) (nom.)
429886	MHC100/U/M/4K ELITE	10000 lm
429910	MHC70/C/U/M/4K ELITE	6200 lm

## Mécanique et boîtier

Order Code	Full Product Name	Fini de l'ampoule
429928	MHC50/U/M/4K ELITE	Transparent
429902	MHC70/U/M/4K ELITE	Transparent

Order Code	Full Product Name	Fini de l'ampoule
429886	MHC100/U/M/4K ELITE	Transparent
429910	MHC70/C/U/M/4K ELITE	Verre avec revêtement

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