



# Simply irresistible. Superior light quality from start to finish

## MasterColor CDM-T T6 Elite

The Elite family is at the very top of the MasterColor CDM range, and gives a unique combination of unbeatable light quality and consistent performance over lifetime, while keeping running costs low. MasterColor metal halide lamps deliver consistent white light and higher color rendering than any standard metal halide source for architectural lighting.

### Benefits

- Energy-efficient alternative to incandescent/halogen.
- Improved lumen maintenance over standard metal halide.
- Lamp to lamp color consistency over life.

### Features

- Lamp to lamp color consistency over life.
- High lamp efficacy.
- Lamp to lamp color consistency over life.
- Lamps feature FadeBlock, an integrated UV blocking medium for reduced fading of fabrics and paintings.
- Available in 39W, 70W, 100W and 150W versions T6 shape.

### Application

- Ideal for retail display lighting, general and indirect lighting, wall washing and fiberoptic systems

# MasterColor CDM-T T6 Elite

## Versions



CDM-T Elite 100W G12



CDM-T, 20W

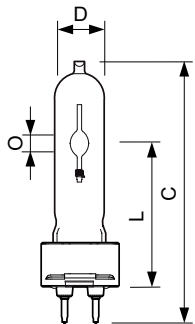
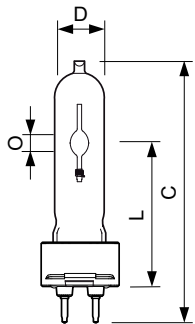


CDM-T Elite 35W /842, /930, /942 G12



CDM-T 70W G12

## Dimensional drawing



Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColor CDM-T Elite 70W/930 G12 1CT	20 mm	7.15 mm	55 mm	57 mm	56 mm	103 mm
MASTERColor CDM-T Elite 100W/930.1CT/12	20 mm	8.5 mm	55 mm	57 mm	56 mm	110 mm
MASTERColor CDM-T Elite 35W/930 G12 1CT	20 mm	4.8 mm	55 mm	57 mm	56 mm	103 mm

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MC CDM-T Elite 20W830 G12 T6 CL 1CT/12	20 mm	0.75 in	4 mm	55 mm	57 mm	56 mm	103 mm

# MasterColor CDM-T T6 Elite

## Approval and Application

Energy Efficiency Label (EEL)	A+
<b>Controls and Dimming</b>	
Dimmable	No
<b>Operating and Electrical</b>	
Re-Ignition Time (Min) (Max)	15 min
<b>General Information</b>	
Cap-Base	G12
Life To 10% Failures (Nom)	14000 h
Life To 20% Failures (Nom)	16000 h
Life To 50% Failures (Nom)	20000 h
Life To 5% Failures (Nom)	12000 h
Operating Position	Universal
<b>Light Technical</b>	
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	3000 K
<b>Mechanical and Housing</b>	
Bulb Finish	Clear (CL)
Bulb Shape	T6

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
408294	MASTERColor CDM-T Elite 100W/930.1CT/12	110 kWh	10.1 mg
410472	MC CDM-T Elite 20W830 G12 T6 CL 1CT/12	22 kWh	3.5 mg
409144	MASTERColor CDM-T Elite 35W/930 G12 1CT	43 kWh	4.7 mg
409151	MASTERColor CDM-T Elite 70W/930 G12 1CT	80 kWh	6.6 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
408294	MASTERColor CDM-T Elite 100W/930.1CT/12	-	94 V	82 V	88 V
410472	MC CDM-T Elite 20W830 G12 T6 CL 1CT/12	-	100 V	90 V	95 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
409144	MASTERColor CDM-T Elite 35W/930 G12 1CT	0.500 A	90 V	80 V	85 V
409151	MASTERColor CDM-T Elite 70W/930 G12 1CT	1 A	90 V	79 V	85 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated)	
		(Min)	(Nom)
408294	MASTERColor CDM-T Elite 100W/930.1CT/12	100.0 W	100.0 W
410472	MC CDM-T Elite 20W830 G12 T6 CL 1CT/12	20.0 W	20.0 W
409144	MASTERColor CDM-T Elite 35W/930 G12 1CT	-	39.0 W

Order Code	Full Product Name	Power (Rated)	
		(Min)	(Nom)
409151	MASTERColor CDM-T Elite 70W/930 G12 1CT	-	73 W

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
408294	MASTERColor CDM-T Elite 100W/930.1CT/12	550 °C
410472	MC CDM-T Elite 20W830 G12 T6 CL 1CT/12	250 °C

Order Code	Full Product Name	Bulb Temperature (Max)
409144	MASTERColor CDM-T Elite 35W/930 G12 1CT	500 °C
409151	MASTERColor CDM-T Elite 70W/930 G12 1CT	500 °C

## Light Technical (1/3)

## MasterColor CDM-T T6 Elite

Order Code	Full Product Name	Chromaticity	Chromaticity	Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Color Code	Color Rendering Index (Min)
408294	MASTERColor CDM-T Elite 100W/930.1CT/12	0.432	0.399	930	89
410472	MC CDM-T Elite 20W830 G12 T6 CL 1CT/12	0.434	0.391	830	-

Order Code	Full Product Name	Chromaticity	Chromaticity	Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Color Code	Color Rendering Index (Min)
409144	MASTERColor CDM-T Elite 35W/930 G12 1CT	0.435	0.395	930	87
409151	MASTERColor CDM-T Elite 70W/930 G12 1CT	0.435	0.396	930	87

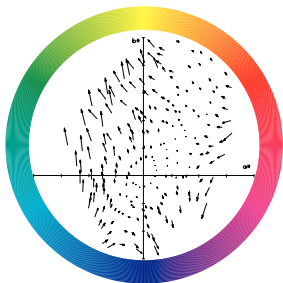
### Light Technical (2/3)

Order Code	Full Product Name	Color	Lumen	Lumen	Lumen	Lumen	Lumen	Lumen	Luminous	Luminous
		Rendering Index (Nom)	Maintenance 1000 h (Nom)	Maintenance 10000 h (Nom)	Maintenance 12000 h (Nom)	Maintenance 2000 h (Nom)	Maintenance 4000 h (Nom)	Maintenance 5000 h (Nom)	Efficacy (rated) (Nom)	Flux (Rated) (Min)
408294	MASTERColor CDM-T Elite 100W/930.1CT/12	92	97 %	87 %	85 %	95 %	93 %	92 %	110 lm/W	-
410472	MC CDM-T Elite 20W830 G12 T6 CL 1CT/12	84	-	78 %	77 %	87 %	-	83 %	90 lm/W	1620 lm
409144	MASTERColor CDM-T Elite 35W/930 G12 1CT	90	95 %	83 %	80 %	93 %	90 %	88 %	98 lm/W	-
409151	MASTERColor CDM-T Elite 70W/930 G12 1CT	90	97 %	83 %	82 %	95 %	90 %	88 %	103 lm/W	-

### Light Technical (3/3)

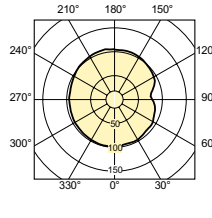
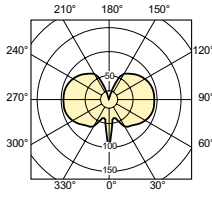
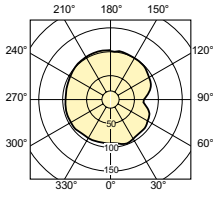
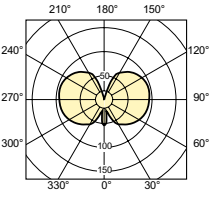
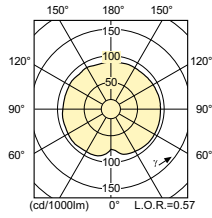
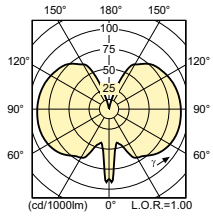
Order Code	Full Product Name	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
408294	MASTERColor CDM-T Elite 100W/930.1CT/12	11000 lm	409144	MASTERColor CDM-T Elite 35W/930 G12 1CT	4050 lm
410472	MC CDM-T Elite 20W830 G12 T6 CL 1CT/12	1800 lm	409151	MASTERColor CDM-T Elite 70W/930 G12 1CT	7800 lm

### Color Rendering Diagrams



# MasterColor CDM-T T6 Elite

## Light Distribution Diagrams



CDM-T Elite 100W /930

CDM-T Elite 35W /842, /930

CDM-T Elite 70W /930

