



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

PHILIPS

Warnings and Safety

- 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)

Related products



CDM-T, 20W



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

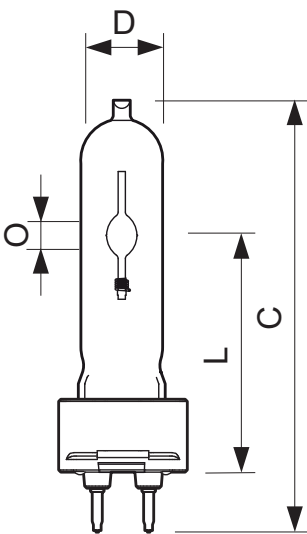


CDM-T 70W G12



CDM-T Elite 50W /930, /942 G12

Dimensional drawing

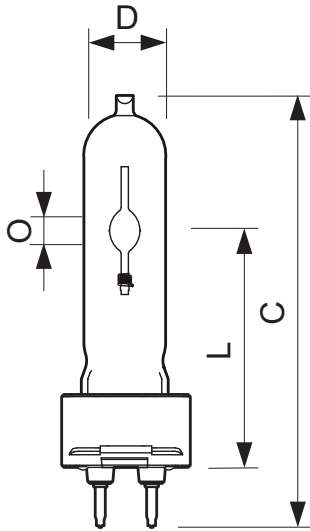


MasterColor CDM-T Elite 50W/942 G12

Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T Elite 50W/942 G12	103	20	55	56	57	7.1

Dimensional drawing

CDM-T Elite 35W/930 G12	103	20	55	56	57	4.8
CDM-T Elite 70W/930 G12	103	20	55	56	57	7.15
CDM-T Elite 70W/942 G12	103	20	55	56	57	7.75



MasterColor CDM-T Elite 20W/830 T6 1CT

Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 20W/830 G12	103	20	55	56	57	4

General Characteristics (1/2)

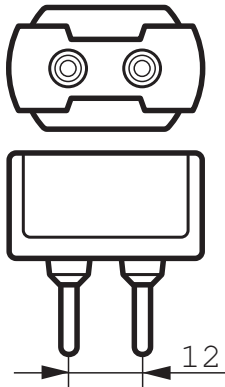
Product number	Full product name	Base	Bulb	Bulb Finish	Operating Position	Life to 5% failures EM	Life to 5% failures EL	Life to 10% failures EM	Life to 10% failures EL	Life to 20% failures EM	Life to 20% failures EL
410472	MasterColor CDM-T Elite 20W/830 T6 1CT	G12	T6	Clear	Universal	hr	9000 hr	hr	10000 hr	hr	12000 hr
409144	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	G12	T6	Clear	Universal	-	12000 hr	-	14000 hr	-	16000 hr
409151	MasterColor CDM-T Elite 70W/930 T6 1CT	G12	T6	Clear	Universal	-	12000 hr	-	14000 hr	-	16000 hr
418995	MasterColor CDM-T Elite 70W/942 T6 1CT	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr
421446	MasterColor CDM-T Elite 50W/942 G12	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr

General Characteristics (2/2)

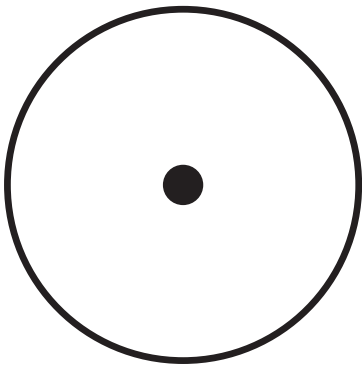
Product number	Full product name	Avg. Life	Avg. Hrs. Life
410472	MasterColor CDM-T Elite 20W/830 T6 1CT	hr	15000 hr
409144	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	15000 hr	20000 hr
409151	MasterColor CDM-T Elite 70W/930 T6 1CT	15000 hr	20000 hr
418995	MasterColor CDM-T Elite 70W/942 T6 1CT	hr	15000 hr

Product number	Full product name	Avg. Life	Avg. Hrs. Life
421446	MasterColor CDM-T Elite 50W/942 G12	hr	15000 hr

Installation diagrams



G12



any

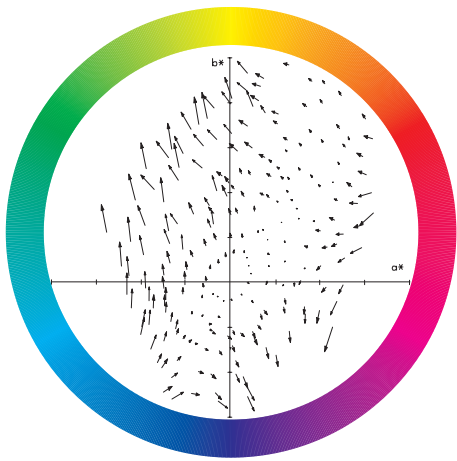
Light Technical Characteristics (1/2)

Product number	Full product name	Color Code	Color Rendering Index	Color Designation	Color Temperature	Initial Lumens	Initial Lumens	Luminous Efficacy Lamp EM	Luminous Efficacy Lamp EL	Lumen Maintenance EM 2000h	Lumen Maintenance EL 2000h
410472	MasterColor CDM-T Elite 20W/830 T6 1CT	830	84 Ra8	Warm White	3000 K	Lm	1800 Lm	Lm/W	90 Lm/W	%	87 %
409144	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	930	87 (min), 90 (nom) Ra8	Warm White	3000 K	3700 Lm	4050 Lm	98 Lm/W	104 Lm/W	-	93 %
409151	MasterColor CDM-T Elite 70W/930 T6 1CT	930	87 (min), 90 (nom) Ra8	Warm White	3000 K	7500 Lm	7800 Lm	103 Lm/W	107 Lm/W	-	95 %
418995	MasterColor CDM-T Elite 70W/942 T6 1CT	942	88 (min), 91 (nom) Ra8	Cool White	4200 K	7500 Lm	7500 Lm	100 Lm/W	102 Lm/W	-	88 %
421446	MasterColor CDM-T Elite 50W/942 G12	942	87 (min), 90 (nom) Ra8	Cool White	4200 K	Lm	5000 Lm	Lm/W	100 Lm/W	-	91 %

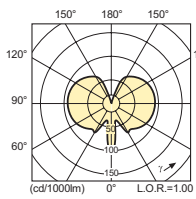
Light Technical Characteristics (2/2)

Product number	Full product name	Lumen Maintenance EM 5000h	Lumen Maintenance EL 5000h	Lumen Maintenance EM 10000h	Lumen Maintenance EL 10000h	Lumen Maintenance EL 12000h	Design Mean Lumens EL	Design Mean Lumens EM	Chromaticity Coordinate X	Chromaticity Coordinate Y
410472	MasterColor CDM-T Elite 20W/830 T6 1CT	%	83 %	%	78 %	77 %	1400 Lm	Lm	0.434 -	0.391 -
409144	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	-	88 %	-	83 %	80 %	3390 Lm	-	0.435 -	0.395 -
409151	MasterColor CDM-T Elite 70W/930 T6 1CT	-	88 %	-	83 %	82 %	6730 Lm	-	0.435 -	0.396 -
418995	MasterColor CDM-T Elite 70W/942 T6 1CT	-	84 %	-	80 %	79 %	6200 Lm	-	0.362 -	0.363 -
421446	MasterColor CDM-T Elite 50W/942 G12	-	87 %	-	84 %	83 %	4300 Lm	-	0.363 -	0.361 -

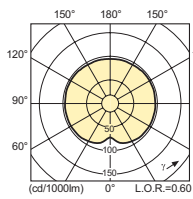
Light technical



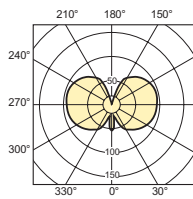
CDM-T 20W /830



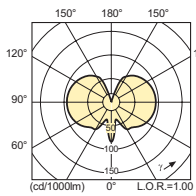
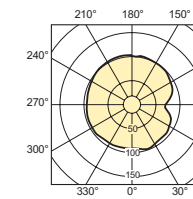
CDM-T Elite 50W /942



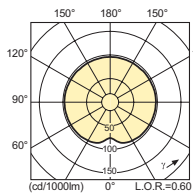
CDM-T Elite 35W /842, /930



CDM-T Elite 70W /930



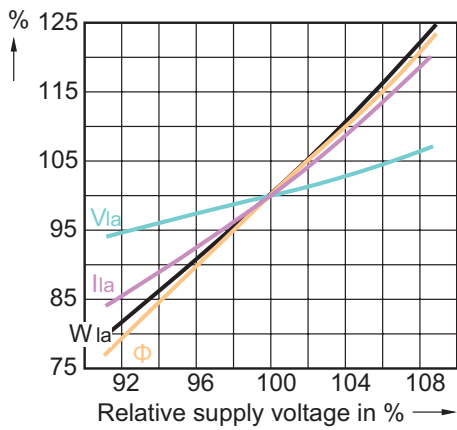
CDM-T Elite 70W /942



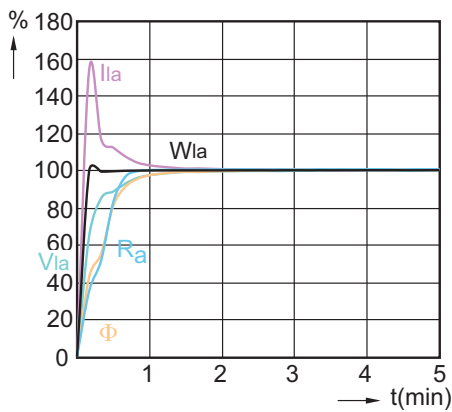
Electrical Characteristics

Product number	Full product name	Watts	Lamp Wattage EM 25°C, Nominal	Lamp Wattage EM 25°C, Rated	Lamp Wattage EL 25°C, Rated	Lamp Wattage EL 25°C, Nominal	Lamp Voltage	Lamp Current EM	Lamp Current EL	Dimmable
410472	MasterColor CDM-T Elite 20W/830 T6 1CT	20 W	W	W	20.0 W	20.0 W	95 V	A	0.215 A	No
409144	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	35 W	35.0 W	38.0 W	39.0 W	35.0 W	85 V	0.500 A	0.460 A	No
409151	MasterColor CDM-T Elite 70W/930 T6 1CT	70 W	70.0 W	72.0 W	73.0 W	70.0 W	85 V	1 A	0.86 A	No
418995	MasterColor CDM-T Elite 70W/942 T6 1CT	70 W	70.0 W	75.0 W	73.0 W	70.0 W	87 V	0.97 A	0.84 A	No
421446	MasterColor CDM-T Elite 50W/942 G12	50 W	W	W	50.0 W	50.0 W	91 V	A	0.55 A	No

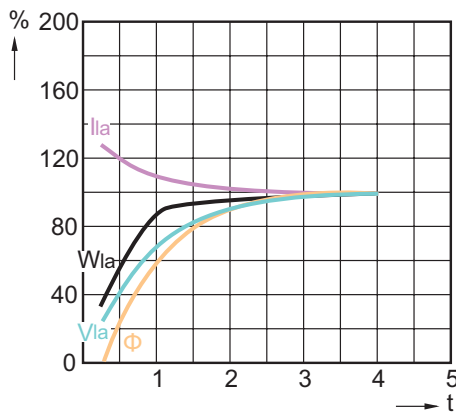
Performance diagrams



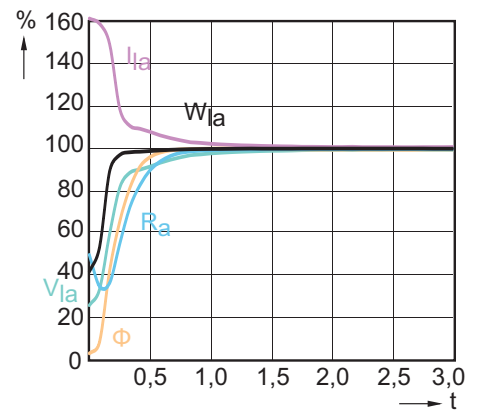
CDM-T /830



CDM-T Elite 50W /942

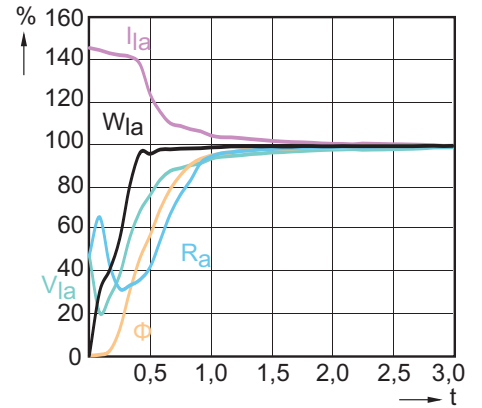


CDM-T /830

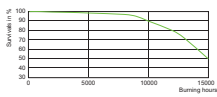


CDM-T Elite 35W /842, /930, /942

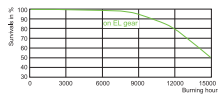
Performance diagrams



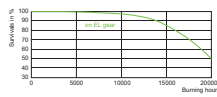
CDM-T Elite 70W /930, /942



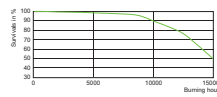
CDM-T Elite 50W Life
 Expectancy /942 G12



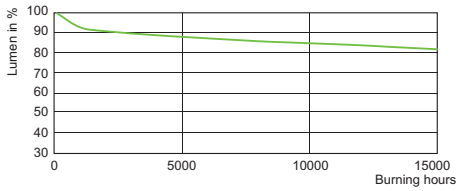
CDM-T Elite 20W Life
 Expectancy /830



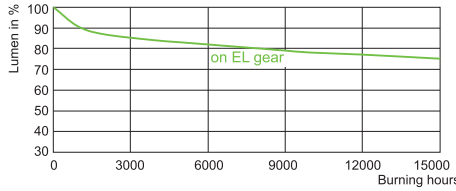
CDM-T Elite 35W,
 50W, 70W, 100W Life
 Expectancy /930



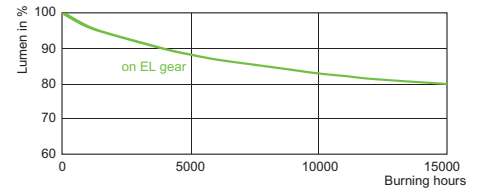
CDM-T Elite 70W Life
 Expectancy /942



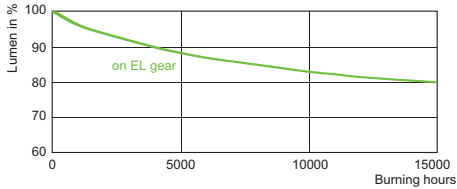
CDM-T Elite 50W Lumen Maintenance /942 G12



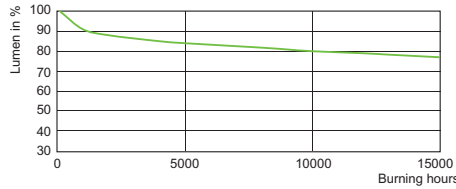
CDM-T 20W Lumen Maintenance /830



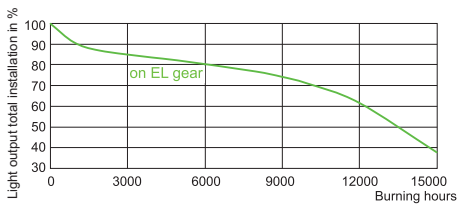
CDM-T Elite 35W & 70W Lumen Maintenance /930



CDM-T Elite 50W & 70W Lumen Maintenance /930



CDM-T Elite 70W Lumen Maintenance /942



CDM-T 20W Service Lifetime /830

Environmental Characteristics

Product number	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
410472	MasterColor CDM-T Elite 20W/830 T6 1CT	A+	3.5 mg	22 kWh

Product number	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
409144	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	A+	4.7 mg	42 kWh

Luminaire Design Requirements

Product number	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
409151	MasterColor CDM-T Elite 70W/930 T6 1CT	A+	6.6 mg	80 kWh
418995	MasterColor CDM-T Elite 70W/942 T6 1CT	A+	6.5 mg	80 kWh
421446	MasterColor CDM-T Elite 50W/942 G12	A+	5.7 mg	55 kWh

Product number	Full product name	Cap-Base Temperature	Bulb Temperature
410472	MasterColor CDM-T Elite 20W/830 T6 1CT	C	250 (max) C
409144	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	250 (max) C	500 (max) C
409151	MasterColor CDM-T Elite 70W/930 T6 1CT	250 (max) C	500 (max) C
418995	MasterColor CDM-T Elite 70W/942 T6 1CT	250 (max) C	500 (max) C
421446	MasterColor CDM-T Elite 50W/942 G12	250 (max) C	500 (max) C



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2015, September 9
 data subject to change