



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, /930 G12

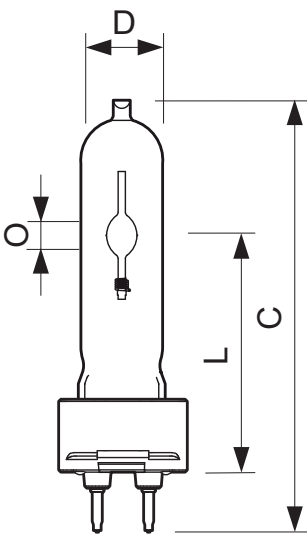


CDM-T 70W /930 G12



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

Dimensional drawing

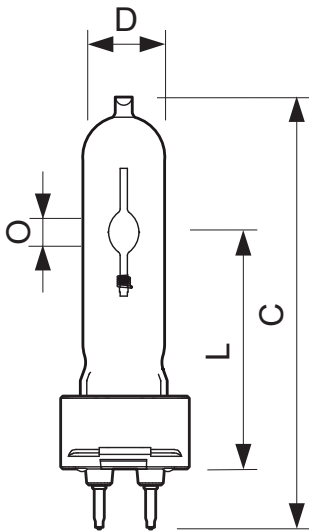


MasterColor CDM-T Elite 35W/842 T6 1CT

Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T ACCENT 35W/842 G12	103	20	55	56	57	4.8

Dimensional drawing

CDM-T Elite 50W/942 G12	103	20	55	56	57	6
CDM-T ACCENT 35W/930 G12	103	20	55	56	57	4.8
CDM-T ACCENT 70W/930 G12	103	20	55	56	57	7.15
CDM-T ACCENT 50W/930 G12	103	20	55	56	57	6
CDM-T ACCENT 70W/942 G12	103	20	55	56	57	7.15
CDM-T ACCENT 70W/740 G12	103	20	55	56	57	7.15



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)

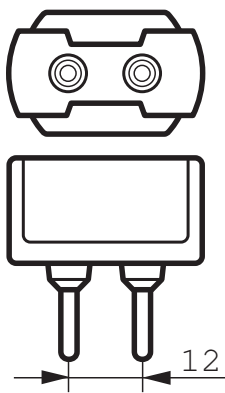
Order code	Full product name	Base	Bulb	Bulb Finish	Operating Position	Life to 5% failures EM	Life to 5% failures EL	Life to 10% failures EM	Life to 10% failures EL	Life to 20% failures EM	Life to 20% failures EL
928183305115	MasterColor CDM-T Elite 20W/830 T6 1CT	G12	T6	Clear	Universal	hr	9000 hr	hr	10000 hr	hr	12000 hr
928061205115	MasterColor CDM-T Elite 35W/842 T6 1CT	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr
928185205115	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr
928185305115	MasterColor CDM-T Elite 70W/930 T6 1CT	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr
928193705115	MasterColor CDM-T Elite 70W/942 T6 1CT	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr
928196405117	MasterColor® CDM-T Fresh T6 70W/740 G12 1CT	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr
928080015118	MasterColor CDM-T Elite 50W/942 G12	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr
928191705115	MasterColor CDM-T Elite 50W/930 T6 CL 1CT	G12	T6	Clear	Universal	-	9000 hr	-	10000 hr	-	12000 hr

General Characteristics (2/2)

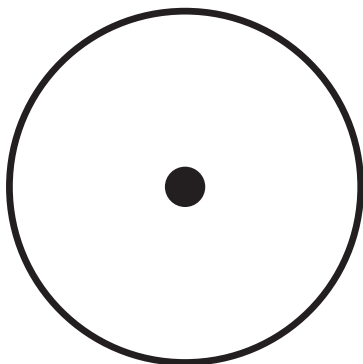
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928183305115	MasterColor CDM-T Elite 20W/830 T6 1CT	hr	15000 hr
928061205115	MasterColor CDM-T Elite 35W/842 T6 1CT	hr	15000 hr
928185205115	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	15000 hr	15000 hr
928185305115	MasterColor CDM-T Elite 70W/930 T6 1CT	15000 hr	15000 hr
928193705115	MasterColor CDM-T Elite 70W/942 T6 1CT	hr	15000 hr
928196405117	MasterColor® CDM-T Fresh T6 70W/740 G12 1CT	hr	15000 hr

Order code	Full product name	Avg. Life	Avg. Hrs. Life
928080015118	MasterColor CDM-T Elite 50W/942 G12	hr	15000 hr
928191705115	MasterColor CDM-T Elite 50W/930 T6 CL 1CT	hr	15000 hr

Installation diagrams



G12



any

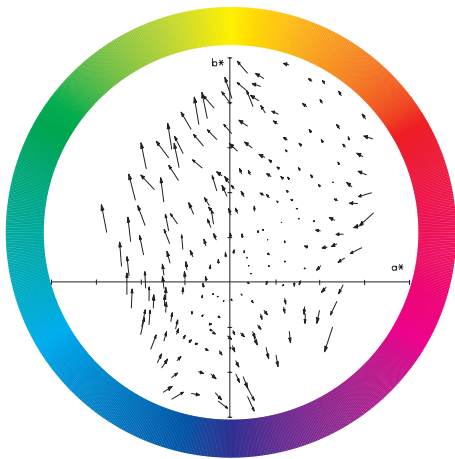
Light Technical Characteristics (1/2)

Order code	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
928183305115	MasterColor CDM-T Elite 20W/830 T6 1CT	830	81 (min), 84 (nom) Ra8	Warm White	3000 K	Lm	1800 Lm	Lm/W	90 Lm/W	%	87 %
928061205115	MasterColor CDM-T Elite 35W/842 T6 1CT	842	85 (min), 88 (nom) Ra8	Cool White	4200 K	3400 Lm	3800 Lm	90 Lm/W	98 Lm/W	-	93 %
928185205115	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	930	87 (min), 90 (nom) Ra8	Warm White	3000 K	3700 Lm	4000 Lm	98 Lm/W	102 Lm/W	-	93 %
928185305115	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	106 Lm/W	-	95 %
928193705115	MasterColor CDM-T Elite 70W/942 T6 1CT	942	87 (min), 90 (nom) Ra8	Cool White	4200 K	7200 Lm	7500 Lm	100 Lm/W	103 Lm/W	-	93 %
928196405117	MasterColor® CDM-T Fresh T6 70W/740 G12 1CT	740	67 (min), 70 (nom) Ra8	Cool White	4000 K	Lm	6000 Lm	Lm/W	82 Lm/W	-	92 %
928080015118	MasterColor CDM-T Elite 50W/942 G12	942	90 Ra8	Cool White	4200 K	Lm	5000 Lm	Lm/W	100 Lm/W	-	93 %
928191705115	MasterColor CDM-T Elite 50W/930 T6 CL 1CT	930	87 (min), 90 (nom) Ra8	Warm White	3000 K	Lm	5400 Lm	Lm/W	108 Lm/W	-	95 %

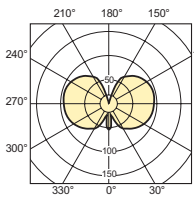
Light Technical Characteristics (2/2)

Order code	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
928183305115	MasterColor CDM-T Elite 20W/830 T6 1CT	%	83 %	%	78 %	77 %	1400 Lm	Lm	0.434 -	0.391 -
928061205115	MasterColor CDM-T Elite 35W/842 T6 1CT	-	88 %	-	82 %	81 %	3380 Lm	-	0.371 -	0.366 -
928185205115	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	-	88 %	-	83 %	80 %	3390 Lm	-	0.435 -	0.395 -
928185305115	MasterColor CDM-T Elite 70W/930 T6 1CT	-	88 %	-	83 %	82 %	6730 Lm	-	0.435 -	0.396 -
928193705115	MasterColor CDM-T Elite 70W/942 T6 1CT	-	88 %	-	82 %	81 %	6600 Lm	-	0.371 -	0.366 -
928196405117	MasterColor® CDM-T Fresh T6 70W/740 G12 1CT	-	%	-	%	79 %	5000 Lm	-	0.380 -	0.382 -
928080015118	MasterColor CDM-T Elite 50W/942 G12	-	88 %	-	82 %	81 %	4300 Lm	-	0.373 -	0.367 -
928191705115	MasterColor CDM-T Elite 50W/930 T6 CL 1CT	-	88 %	-	83 %	82 %	4750 Lm	-	0.435 -	0.396 -

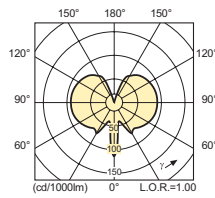
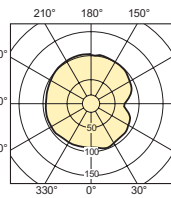
Light technical



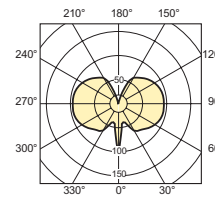
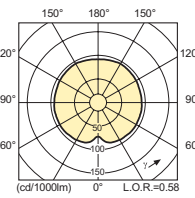
CDM-T 20W /830



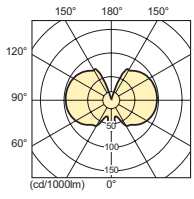
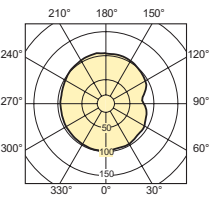
CDM-T Elite 35W /842, /930, /942



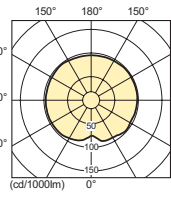
CDM-T Elite 50W /942



CDM-T Elite 70W /930, /942



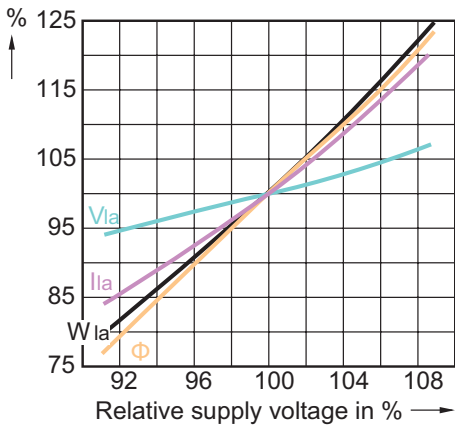
CDM-T Fresh 70W /740



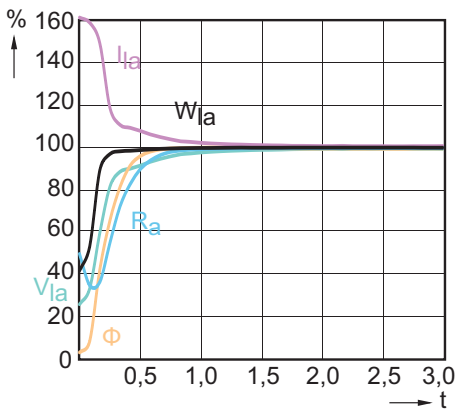
Electrical Characteristics

Order code	Full product name	Energy Used	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
928183305115	MasterColor CDM-T Elite 20W/830 T6 1CT	20 W	W	W	20.0 W	20.0 W	94 V	A	0.215 A	No
928061205115	MasterColor CDM-T Elite 35W/842 T6 1CT	35 W	35.0 W	38.0 W	39.0 W	35.0 W	84 V	0.50 A	0.47 A	No
928185205115	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
928185305115	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
928193705115	MasterColor CDM-T Elite 70W/942 T6 1CT	70 W	70.0 W	72.0 W	73.0 W	70.0 W	84 V	1 A	0.89 A	No
928196405117	MasterColor® CDM-T Fresh T6 70W/740 G12 1CT	70 W	W	W	73.0 W	70.0 W	83 V	A	0.875 A	No
928080015118	MasterColor CDM-T Elite 50W/942 G12	50 W	W	W	50.0 W	50.0 W	85 V	A	0.58 A	No
928191705115	MasterColor CDM-T Elite 50W/930 T6 CL 1CT	50 W	W	W	50.0 W	50.0 W	90 V	A	0.57 A	No

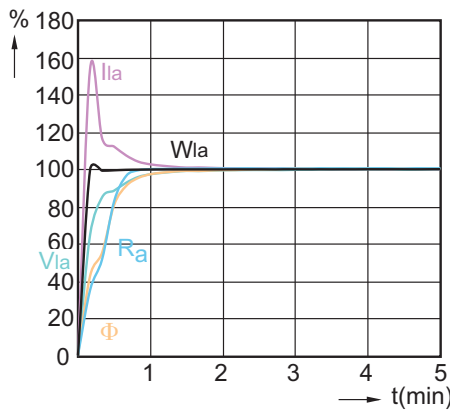
Performance diagrams



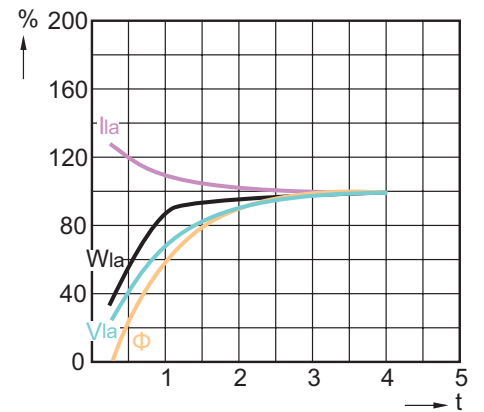
CDM-T /830



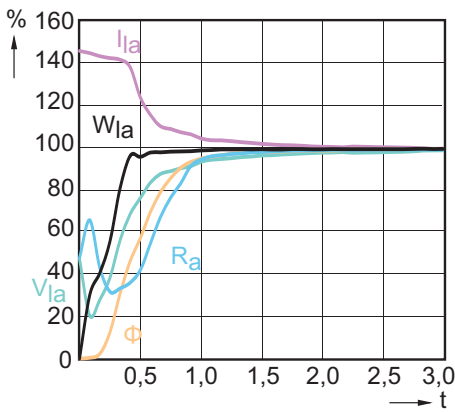
CDM-T Elite 35W /842, /930, /942



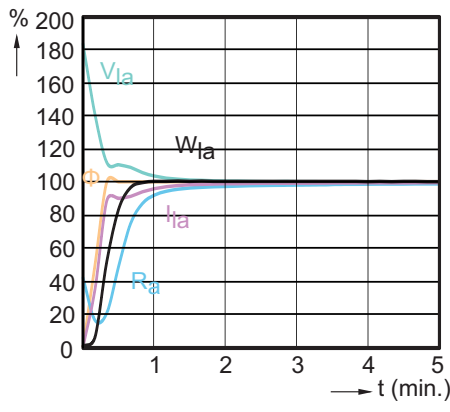
CDM-T Elite 50W /942



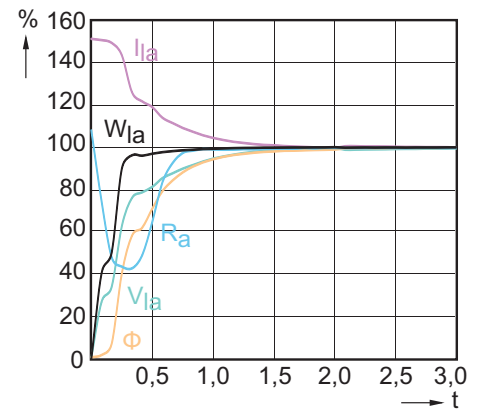
CDM-T /830, /842, /942



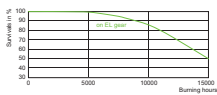
CDM-T Elite 70W /930, /942



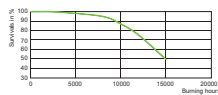
CDM-T Elite 50W /930



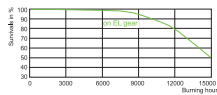
CDM-T Fresh 70W /740



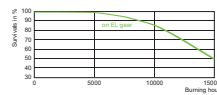
CDM-T Elite 35W / 842, /942



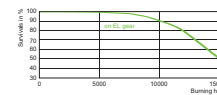
CDM-T Elite 50W / 930, /942



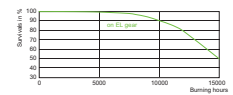
CDM-T 20W /830 on electronic gear



CDM-T Elite 35W /930

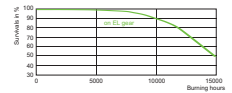


CDM-T Elite 70W /930

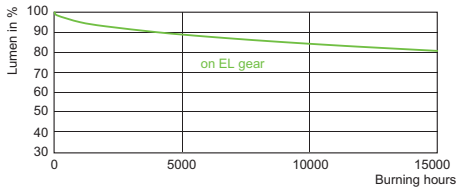


CDM-T Elite 70W /942

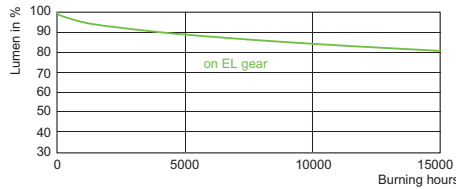
Performance diagrams



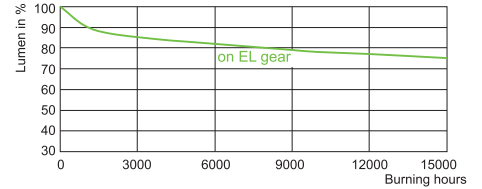
CDM-T Fresh
70W /740



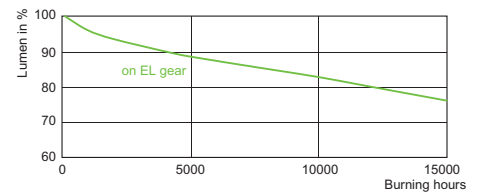
CDM-T Elite 35W /842, /942



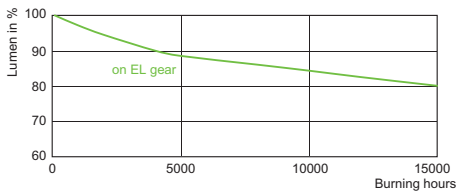
CDM-T Elite 50W, 70W, 100W /942



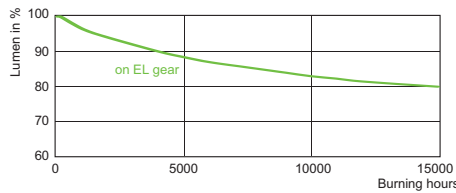
CDM-T 20W /830 on electronic gear



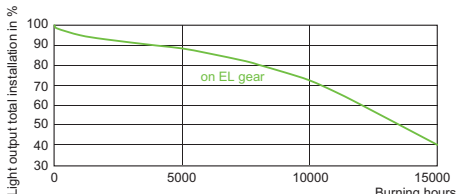
CDM-T Accent 35W /930



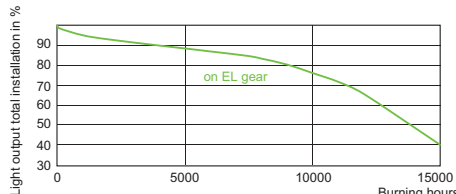
CDM-T Accent 50W & 70W /930



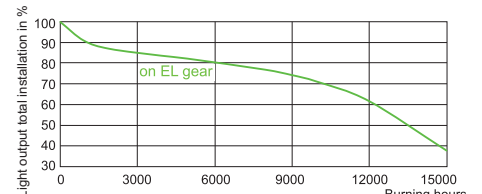
CDM-T Fresh 70W /740



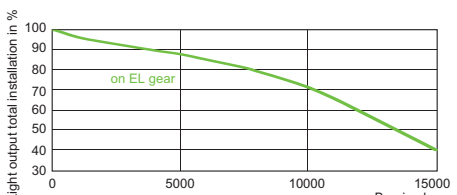
CDM-T Elite 35W /842, /942



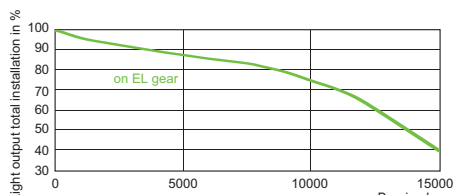
CDM-T Elite 50W, 70W, 100W /942



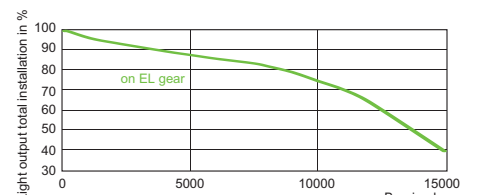
CDM-T 20W /830 on electronic gear



CDM-T Elite 35W /930



CDM-T Elite 70W /930



CDM-T Fresh 70W /740

Environmental Characteristics

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
928183305115	MasterColor CDM-T Elite 20W/830 T6 1CT	A+	3.5 mg	22 kWh

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
928061205115	MasterColor CDM-T Elite 35W/842 T6 1CT	-	4.3 mg	-

Luminaire Design Requirements

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
928185205115	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	A+	4.7 mg	42 kWh
928185305115	MasterColor CDM-T Elite 70W/930 T6 1CT	A+	6.6 mg	80 kWh
928193705115	MasterColor CDM-T Elite 70W/942 T6 1CT	A+	6.0 mg	80 kWh
928196405117	MasterColor® CDM-T Fresh T6 70W/740 G12 1CT	A+	6 mg	80 kWh
928080015118	MasterColor CDM-T Elite 50W/942 G12	A+	5.4 mg	55 kWh
928191705115	MasterColor CDM-T Elite 50W/930 T6 CL 1CT	A+	6.4 mg	55 kWh

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
928183305115	MasterColor CDM-T Elite 20W/830 T6 1CT	C	250 (max) C
928061205115	MasterColor CDM-T Elite 35W/842 T6 1CT	250 (max) C	500 (max) C
928185205115	MasterColor CDM-T Elite 35W/930 T6 CL 1CT	250 (max) C	500 (max) C
928185305115	MasterColor CDM-T Elite 70W/930 T6 1CT	250 (max) C	500 (max) C
928193705115	MasterColor CDM-T Elite 70W/942 T6 1CT	250 (max) C	500 (max) C
928196405117	MasterColor® CDM-T Fresh T6 70W/740 G12 1CT	250 (max) C	500 (max) C
928080015118	MasterColor CDM-T Elite 50W/942 G12	250 (max) C	500 (max) C
928191705115	MasterColor CDM-T Elite 50W/930 T6 CL 1CT	250 (max) C	500 (max) C



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www.philips.com/lighting

2014, January 16
data subject to change