



Simply irresistible. Superior light quality from start to finish

MasterColor CDM-T T6

MasterColor CDM lamp gives a unique combination of unbeatable light quality and consistent performance over lifetime while keeping running costs low. The Philips MasterColor Tubular Single-Ended T6 lamp is a compact, energy efficient, ceramic metal halide lamp that provides crisp, sparkling light.

Benefits

- Energy-efficient alternative to incandescent/halogen.
- Improved lumen maintenance over standard metal halide.
- A compact solution for retail displays.

Features

- Universal burning position.
- 81-85 CRI (color rendering index)
- Color stability over life within $\pm 200\text{K}$.
- Lamp to lamp color consistency over life.
- Lamps feature FadeBlock, an integrated UV blocking medium for reduced fading of fabrics and paintings.
- 22W, 39W, 70W and 150W versions.

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

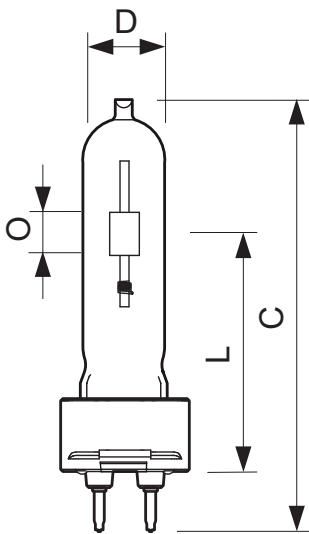


CDM-T, 150W, G12



CDM-T 35W /830, /842 G12

Dimensional drawing



MasterColor CDM-T 35W/830 T6 1CT

Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 35W/830 G12	103	20	55	56	57	5
CDM-T 150W/830 G12	110	20	55	56	57	9
CDM-T 35W/842 G12	103	20	55	56	57	5

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
232728	MasterColor CDM-T 150W/830 T6 1CT	G12	T6	Clear	Universal	9000 hr	9000 hr	10000 hr	10000 hr	11000 hr	11000 hr

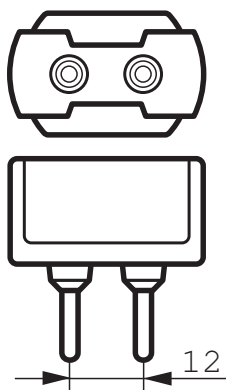
Product number	Full product name	Base	Bulb	Bulb Finish	Operating Position	Life to 5% failures EM	Life to 5% failures EL	Life to 10% failures EM	Life to 10% failures EL	Life to 20% failures EM	Life to 20% failures EL
223289	MASTERColour CDM-T	G12	T6	Clear	Universal	9000 hr	9000 hr	10000 hr	10000 hr	11000 hr	11000 hr
208868	MasterColor CDM-T 35W/842 T6 CL 1CT	G12	T6	Clear	Universal	hr	9000 hr	hr	10000 hr	hr	11000 hr

General Characteristics (2/2)

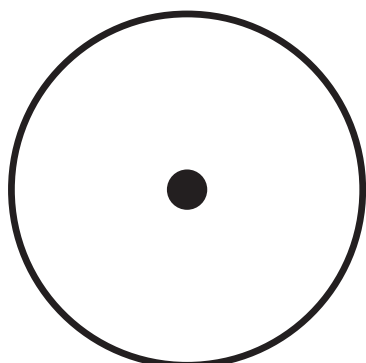
Product number	Full product name	Avg. Life	Avg. Hrs. Life
232728	MasterColor CDM-T 150W/830 T6 1CT	12000 hr	12000 hr

Product number	Full product name	Avg. Life	Avg. Hrs. Life
223289	MASTERColour CDM-T	12000 hr	12000 hr
208868	MasterColor CDM-T 35W/842 T6 CL 1CT	hr	12000 hr

Installation diagrams



G12



any

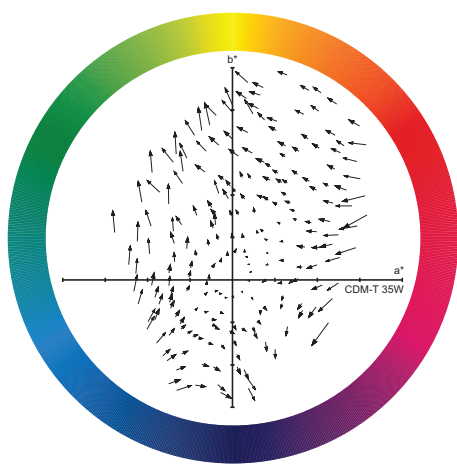
Light Technical Characteristics (1/2)

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
232728	MasterColor CDM-T 150W/830 T6 1CT	830	88 Ra8	Warm White	3000 K	13200 Lm	13600 Lm	90 Lm/W	91 Lm/W	75 %	75 %
223289	MASTERColour CDM-T	830	81 Ra8	Warm White	3000 K	3000 Lm	3150 Lm	79 Lm/W	81 Lm/W	75 %	80 %
208868	MasterColor CDM-T 35W/842 T6 CL 1CT	842	84 Ra8	Cool White	4200 K	Lm	3100 Lm	Lm/W	79 Lm/W	%	90 %

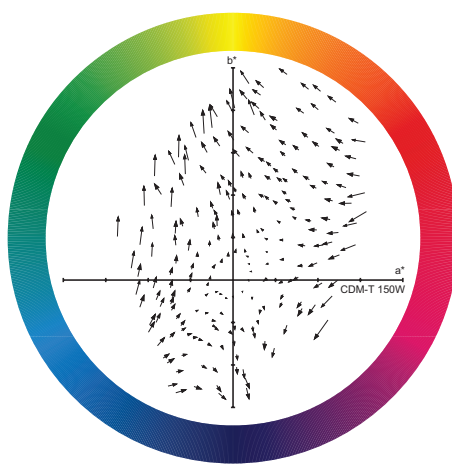
Light Technical Characteristics (2/2)

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
232728	MasterColor CDM-T 150W/830 T6 1CT	65 %	70 %	50 %	60 %	%	9600 Lm	8900 Lm	0.436 -	0.396 -
223289	MASTERColour CDM-T	65 %	70 %	45 %	50 %	%	2250 Lm	2000 Lm	0.428 -	0.397 -
208868	MasterColor CDM-T 35W/842 T6 CL 1CT	%	85 %	%	70 %	%	2600 Lm	Lm	0.365 -	0.364 -

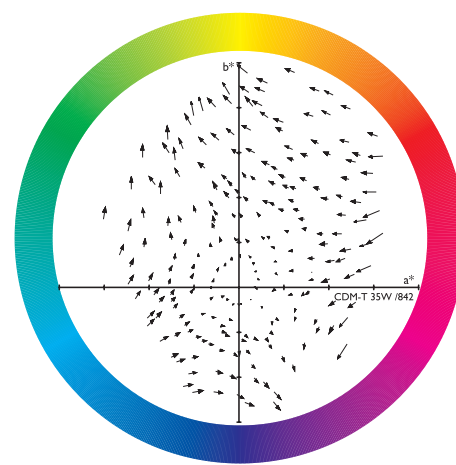
Light technical



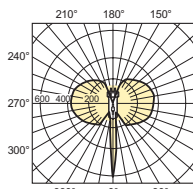
CDM-T 35W /830



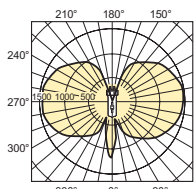
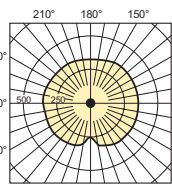
CDM-T 150W /830



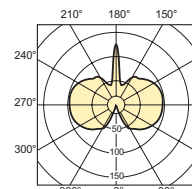
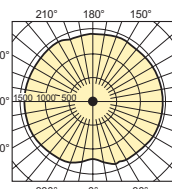
CDM-T 35W /842, /942



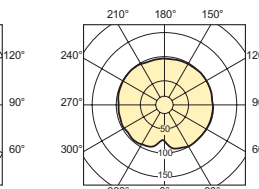
CDM-T 35W /830



CDM-T 150W /830, /930, /942



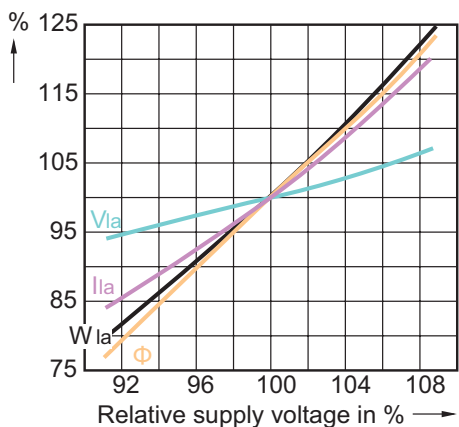
CDM-T 35W /842 lamp up



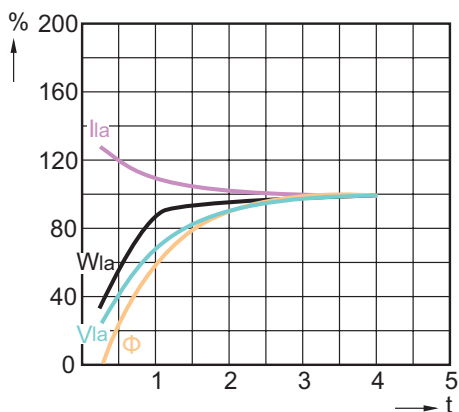
Electrical Characteristics

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
232728	MasterColor CDM-T 150W/830 T6 1CT	150 W	150.0 W	147.0 W	150.0 W	150.0 W	96 V	1.8 A	1.62 A	No
223289	MASTERColour CDM-T	35 W	35.0 W	38.0 W	39.0 W	35.0 W	88 V	0.53 A	0.47 A	No
208868	MasterColor CDM-T 35W/842 T6 CL 1CT	35 W	W	W	39.0 W	35.0 W	85 V	A	0.46 A	No

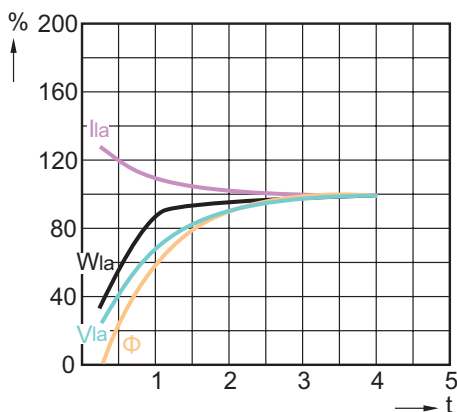
Performance diagrams



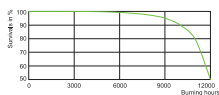
CDM-T /830



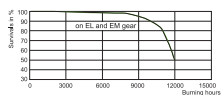
CDM-T /830



CDM-T 35W /842



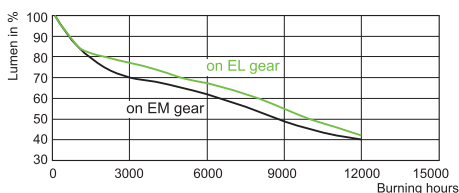
CDM-T 35W Life
 Expectancy /830, /842



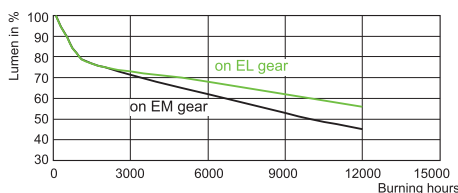
CDM-T 150W Life
 Expectancy /830

G12

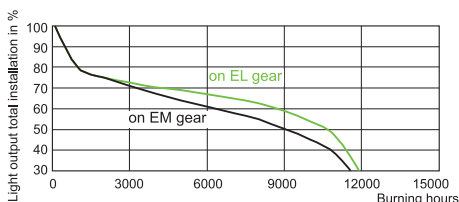
Performance diagrams



CDM-T 35W Lumen Maintenance /830



CDM-T 150W Lumen Maintenance /830



CDM-T 150W Service Lifetime /830

Environmental Characteristics

Product number	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
232728	MasterColor CDM-T 150W/830 T6 1CT	A+	14.25 mg	165 kWh
223289	MASTERColour CDM-T	A+	3.1 mg	41 kWh
208868	MasterColor CDM-T 35W/842 T6 CL 1CT	A+	2.7 mg	41 kWh

Luminaire Design Requirements

Product number	Full product name	Cap-Base Temperature	Bulb Temperature
232728	MasterColor CDM-T 150W/830 T6 1CT	280 (max) C	650 (max) C
223289	MASTERColour CDM-T	280 (max) C	500 (max) C
208868	MasterColor CDM-T 35W/842 T6 CL 1CT	280 (max) C	500 (max) C



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2015, June 9
data subject to change