



MasterColor CDM-TC T4 Elite

CDM20/TC/830 Elite

Philips MasterColor CDM Evolution 3000K Tubular Single-EndedT4 Lamp is the next evolution of MasterColor.

Product data

General Information	
Cap-Base	G8.5 [G8.5]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	12000 h
Life To 10% Failures (Nom)	14000 h
Life To 20% Failures (Nom)	16000 h
Life To 50% Failures (Nom)	20000 h
ANSI Code HID	-
Light Technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Rated) (Min)	1620 lm
Luminous Flux (Rated) (Nom)	1800 lm
Color Designation	Warm White (WW)
Lumen Maintenance 12000 h (Nom)	77 %
Lumen Maintenance 10000 h (Nom)	78 %
Lumen Maintenance 2000 h (Nom)	87 %
Lumen Maintenance 5000 h (Nom)	83 %
Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.391
Correlated Color Temperature (Nom)	2980 K

Luminous Efficacy (rated) (Nom)	90 lm/W
Color Rendering Index (Nom)	85
Operating and Electrical	
Power (Rated) (Min)	20.0 W
Power (Rated) (Nom)	20 W
Lamp Current Run-Up (Max)	0.5 A
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	100 V
Voltage (Min)	90 V
Voltage (Nom)	95 V
Controls and Dimming	
Dimmable	No
Run-Up Time 90% (Max)	3 min
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	UV-Block Quartz

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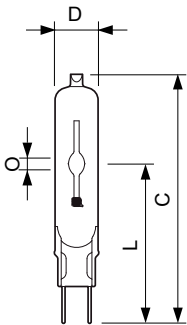
Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	3.5 mg
Energy Consumption kWh/1000 h	22 kWh
UV	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fo (Max)	0.4
Luminaire Design Requirements	
Bulb Temperature (Max)	320 °C
Pinch Temperature (Max)	300 °C

Product Data	
Order product name	CDM20/TC/830 Elite
EAN/UPC - Product	046677410469
Order code	928183405115
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928183405115
Net Weight (Piece)	0.009 kg
ILCOS Code	MT/UB-20/830-H-G8.5-17/85

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)

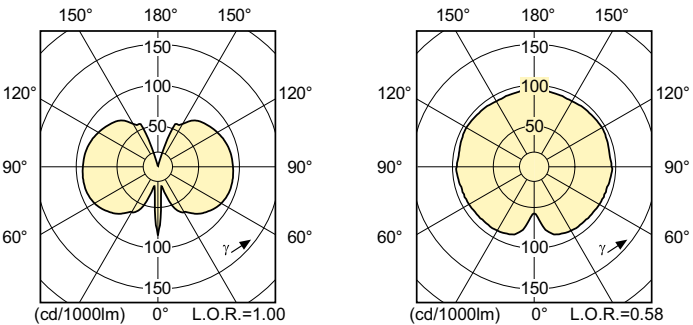
Dimensional drawing



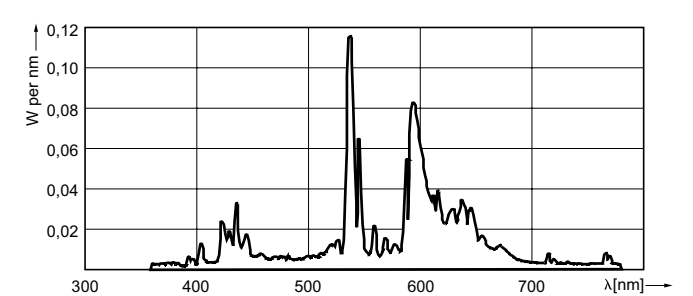
CDM-TC 20W/830 G8.5

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
CDM20/TC/830 Elite	15 mm	0.55 in	4 mm	51 mm	53 mm	52 mm	85 mm

Photometric data



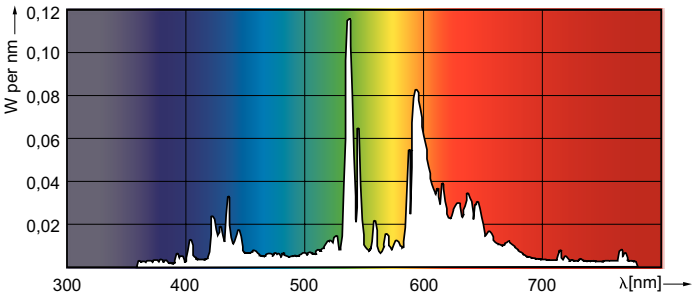
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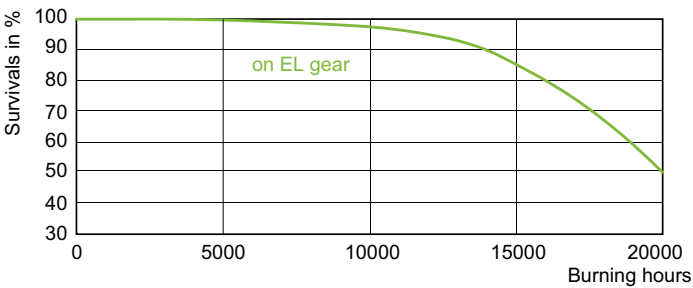
MasterColor CDM-TC T4 Elite

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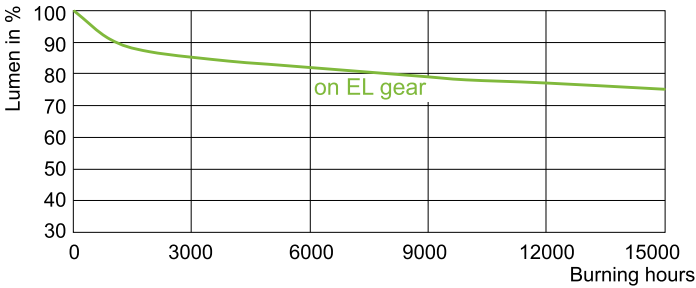


MASTERColour CDM-TC 20W /830

Lifetime



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



CDM-TC 20W Lumen Maintenance /830

