



MasterColor CDM-TC T4 Elite

CDM20/TC/830 Elite

Philips MasterColor CDM Evolution 3000K Tubular Single-Ended;T4 Lamp is the next evolution of MasterColor.

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)
- Lamp contains mercury.
- Manage in Accord with Disposal Laws.
- See: www.lamprecycle.org or 1-800-555-0050

Product data

General information	
Base	G8.5 [G8.5]
Operating Position	Universal [Universal]
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)	1750 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
Luminous Efficacy (rated) (Nom)	87 lm/W
Color Rendering Index (Nom)	85

Operating and electrical	
Power (Rated) (Min)	20.0 W
Power (Rated) (Nom)	20.1 W

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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
Bulb Shape	T4 [T4]

Approval and application

Mercury (Hg) Content (Nom)	3.5 mg
Energy Consumption kWh/1000 h	22 kWh

UV

Pet (Niosh) (Min)	8 h/500lx
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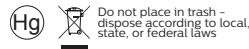
Damage Factor D/fc (Max)	0.4
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Luminaire design requirements

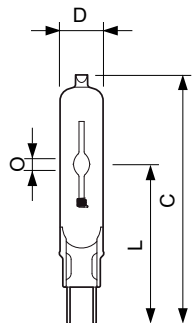
Bulb Temperature (Max)	608 °F
Pinch Temperature (Max)	572 °F
Pinch Temperature (Max)-DUP(do not use)	572 °F

Product data

Order product name	CDM20/TC/830 Elite
EAN/UPC - Product	046677410469
Order code	410464
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928183405115
Net Weight (Piece)	0.02 lb
ILCOS Code	MT/UB-20/830-H-G8.5-17/85



Dimensional drawing

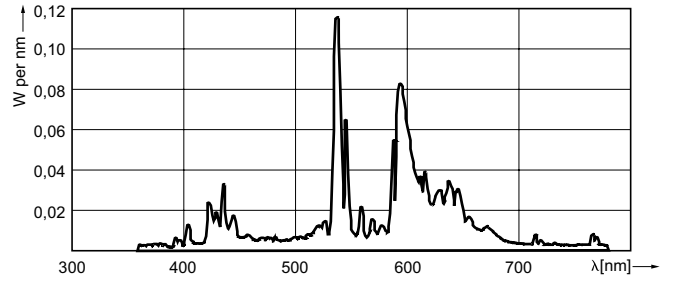


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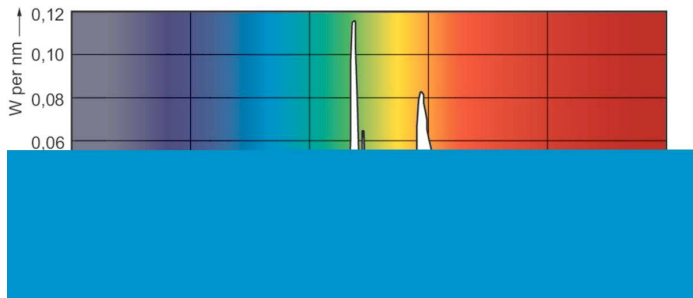
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
CDM20/TC/830 Elite	5/8 in	0.55 in	3/16 in	2-1/16 in	2-1/8 in	2-1/16 in	3-3/8 in

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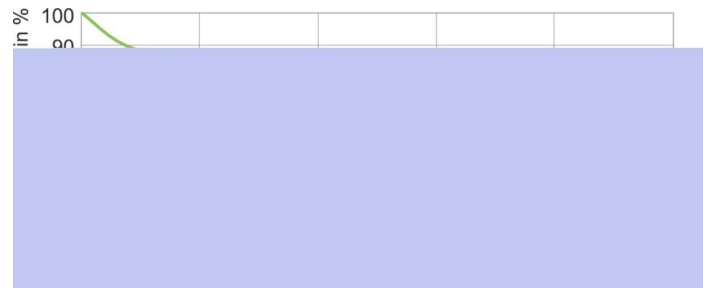
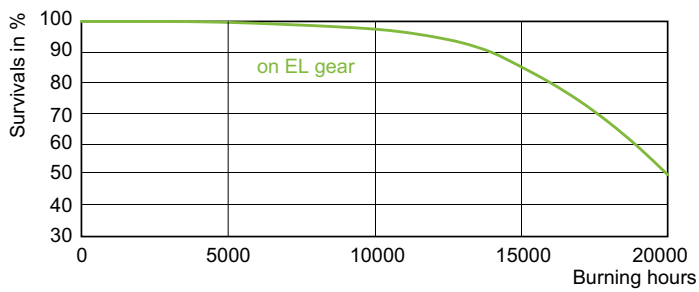
Photometric data



LDPB_CDM-TC_20W_830-Spectral power distribution B/W



Lifetime



LDLE_CDM-T-E_0006-Life expectancy diagram

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