



MASTERColour CDM-TC Elite



MASTERColour CDM-TC Elite 20W/830 G8.5 1CT/12

Compact, single-ended, very high-efficiency, long-life ceramic metal-halide discharge lamp producing crisp white sparkling light with high color rendering

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

General information			
Cap-Base	G8.5 [G8.5]	Luminous Flux (Nom)	1750 lm
Operating Position	UNIVERSAL [Any or Universal (U)]	Luminous Flux (Rated) (Min)	1620 lm
Life to 5% Failures (Nom)	12000 h	Luminous Flux (Rated) (Nom)	1750 lm
Life To 10% Failures (Nom)	14000 h	Color Designation	Warm White (WW)
Life to 20% Failures (Nom)	16000 h	Lumen Maintenance 12000 h (Nom)	77 %
Life to 50% Failures (Nom)	20000 h	Lumen Maintenance 10000 h (Nom)	78 %
ANSI Code HID	-	Lumen Maintenance 2000 h (Nom)	87 %
Flux measurement reference	Sphere	Lumen Maintenance 5000 h (Nom)	83 %
		Chromaticity Coordinate X (Nom)	0.434
		Chromaticity Coordinate Y (Nom)	0.398
		Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	87 lm/W
Light technical			
Color Code	830 [CCT of 3000K]		

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Color Rendering Index (Nom)	85
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Operating and electrical

Power (Rated) (Min)	20.0 W
Power (Nom)	20.1 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
Bulb Shape	T14 [T 14 mm]

Approval and application

Energy Efficiency Class	G
Mercury (Hg) Content (Max)	3.5 mg
Mercury (Hg) Content (Nom)	3.5 mg
Energy Consumption kWh/1000 h	21 kWh

EPREL Registration Number	473254
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UV

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

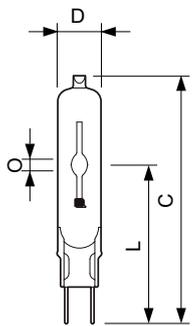
Luminaire design requirements

Bulb Temperature (Max)	320 °C
Pinch Temperature (Max)	300 °C
Pinch Temperature (Max)-DUP(do not use)	300 °C

Product data

Full product code	872790087158600
Order product name	MASTERCcolour CDM-TC Elite 20W/830 G8.5 1CT/12
EAN/UPC - Product	8727900871586
Order code	928183405125
Numerator - Quantity Per Pack	1
Local code description	MASTERC CDM-TC 20W/830 G8.5 1CT/12
Numerator - Packs per outer box	12
Material Nr. (12NC)	928183405125
Net Weight (Piece)	9.000 g
ILCOS Code	MT/UB-20/830-H-G8.5-17/85

Dimensional drawing

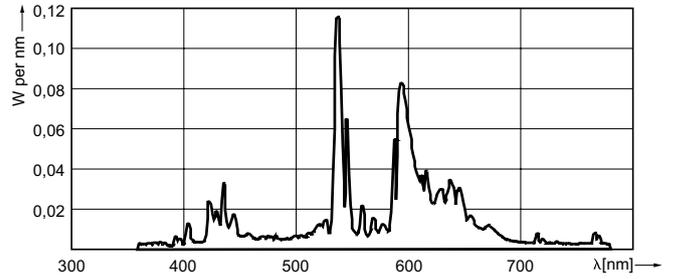


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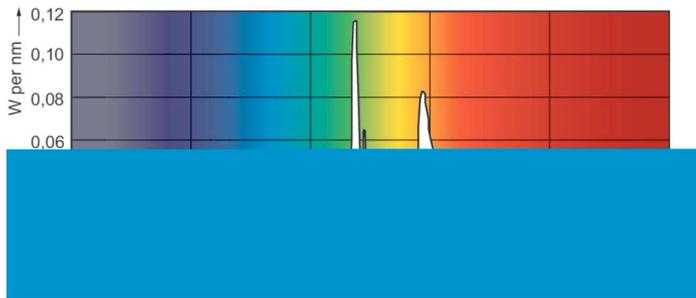
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC Elite 20W/830 G8.5 1CT/12	15 mm	0.55 in	4 mm	51 mm	53 mm	52 mm	85 mm

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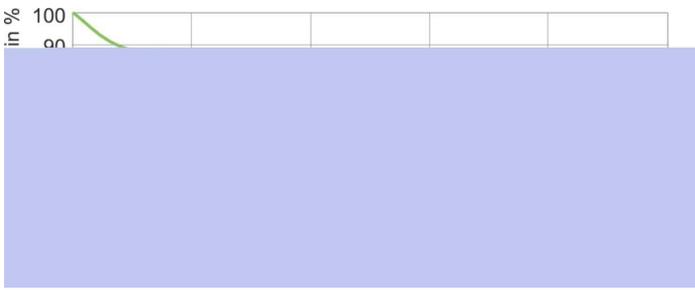
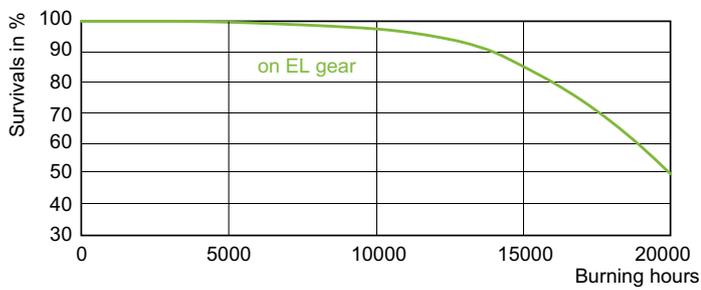
Photometric data



LDPB_CDM-TC_20W_830-Spectral power distribution B/W



Lifetime



LDLE_CDM-T-E_0006-Life expectancy diagram

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