



# 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

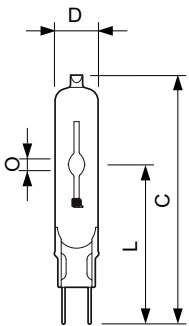
General Information			
Cap-Base	G8.5 [ G8.5]	Luminous Flux (Nom)	1750 lm
Operating Position	UNIVERSAL [ Any or Universal (U)]	Luminous Flux (Rated) (Min)	1620 lm
Life to 5% Failures (Nom)	12000 h	Luminous Flux (Rated) (Nom)	1750 lm
Life To 10% Failures (Nom)	14000 h	Color Designation	Warm White (WW)
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

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Color Rendering Index (Nom)	85
<b>Operating and Electrical</b>	
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
<b>Controls and Dimming</b>	
Dimmable	No
Run-Up Time 90% (Max)	3 min
<b>Mechanical and Housing</b>	
Bulb Finish	Clear
Bulb Material	UV-Block Quartz
Bulb Shape	T14 [ T 14 mm]
<b>Approval and Application</b>	
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
<b>UV</b>	
Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.4
<b>Luminaire Design Requirements</b>	
Bulb Temperature (Max)	320 °C
Pinch Temperature (Max)	300 °C
<b>Product Data</b>	
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
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

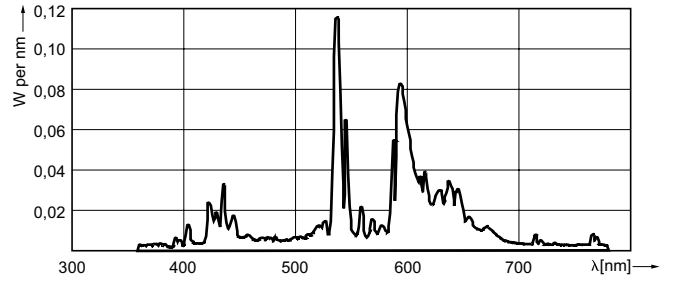


CDM-TC 20W/830 G8.5

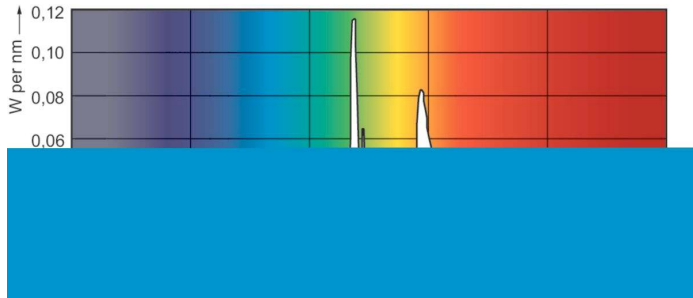
Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-TC Elite 20W/830 G8.5	15 mm	0.55 in	4 mm	51 mm	53 mm	52 mm	85 mm
1CT/12							

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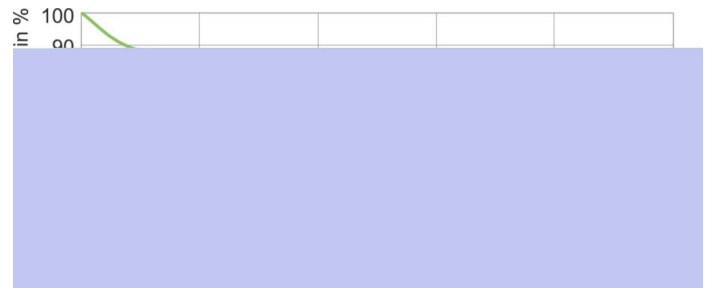
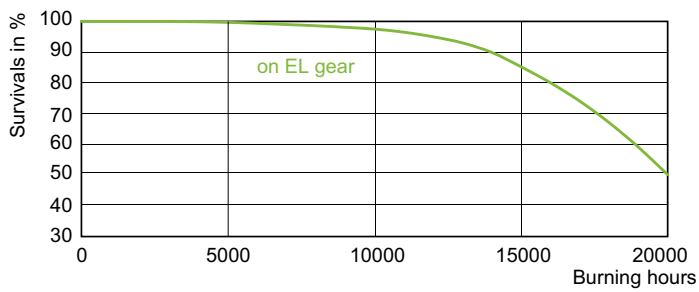
## Photometric data



LDPB\_CDM-TC\_20W\_830-Spectral power distribution B/W



## Lifetime



LDLE\_CDM-T-E\_0006-Life expectancy diagram

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