



MASTERCOLOR CDM-TC

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

Range of single-ended, very compact, high-efficiency, discharge lamps with a stable color over lifetime and a crisp, sparkling light

Product data

• General Information

Cap-Base	G8.5 [G8.5]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	9000 h
Life To 10% Failures (Nom)	10000 h
Life To 20% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	15000 h
Ansi Code HID	-

• Light Technical

Color Code	830 [CCT of 3000K]
Luminous Flux (Min)	1620 lm
Luminous Flux (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
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• Operating and Electrical

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 (CL)
Bulb Material	UV-Block Quartz

• Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	3.5 mg

• UV

Pet (Niosh) (Min)	8 h/500lx
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PHILIPS

MASTERColour CDM-TC

Damage Factor D/fc (Max) 0.4

• **Luminaire Design Requirements**

Bulb Temperature (Max) 320 °C
 Pinch Temperature (Max) 300 °C

• **Product Data**

Full product code 872790087158600

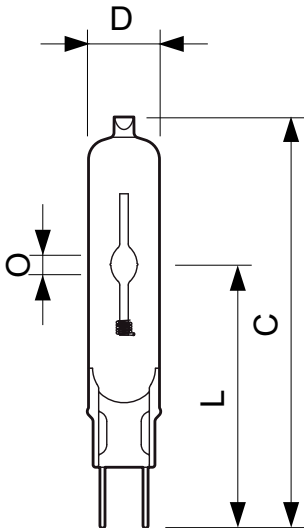
Order product name MASTERColour CDM-TC 20W/830 G8.5 1CT/12
 EAN/UPC - Product 8727900871586
 Order code 928183405125
 Numerator - Quantity Per Pack 1
 Numerator - Packs per outer box 12
 Material Nr. (12NC) 928183405125
 Net Weight (Piece) 9.000 g
 ILCOS Code MT/UB-20/830-H-G8.5-17/85

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
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

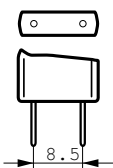
- Use only with electronic control gear. 35W/830 lamps may also use electromagnetic gear.
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Dimensional drawing



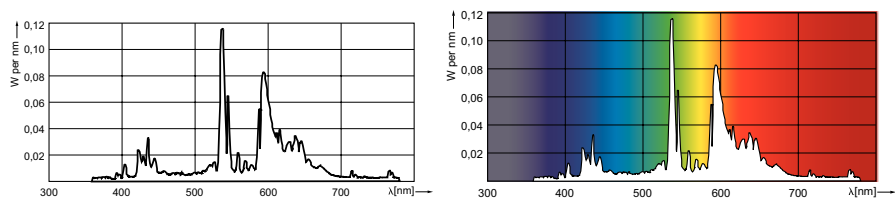
CDM-TC 20W/830 G8.5

Product	D	D	O	L	L	L	C
MASTERColour CDM-TC 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



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data subject to change