

MASTERColour CDM-T

MASTERColour CDM-T 20W/830 G12.1CT/12

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

Product data

• General Information

Cap base	G12 [G12]
Bulb shape	T19 [T 19mm]
Operating position	UNIVERSAL [Any/Universal]
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	C156/E

• Light Technical

Luminous flux (rated) (min.)	1620 lm
Luminous flux (rated) (nom.)	1800 lm
Colour designation	Warm white (WW)
Lumen maintenance 12,000 hours (nom.)	77 %
Lumen maintenance 10,000 hours (nom.)	78 %
Lumen maintenance 2,000 hours (nom.)	87 %
Lumen maintenance 5,000 hours (nom.)	83 %
Chromaticity coordinate X (nom.)	0.434
Chromaticity coordinate Y (nom.)	0.391
Correlated colour temperature (nom.)	3000 K
Luminous efficacy (rated) (nom.)	90 lm/W
Color rendering index (nom.)	84

• Operating and Electrical

Power (Rated) (Nom)	20.0 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)

• Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	3.5 mg
Energy Consumption kWh/1000 h	22 kWh

PHILIPS

MASTERColour CDM-T

- UV

PET (NIOSH) (min.)	8 h/500lx
Damage factor D/fc (max.)	0.4

- Luminaire Design Requirements

Bulb temperature (max.)	250 °C

- Product Data

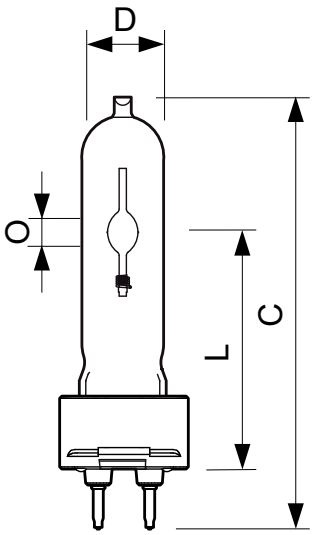
Full product code	872790087156200

Order product name	MASTERColour CDM-T 20W/830 G12 1CT/12
EAN/UPC – product	8727900871562
Order code	87156200
Local Code	20CDMT830+
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928183305125
Net weight (piece)	27.000 g
ILCOS Code	MT/UB-20/830-H-G12-20/90

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)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control 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.

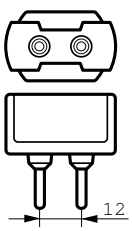
Dimensional drawing



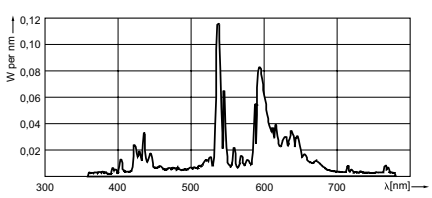
CDM-T, 20W, /830, G12

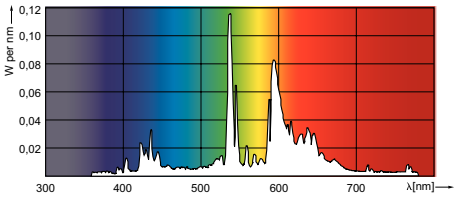
CDM-T 20W/830 G12

Product	D	D	O	L	L	L	C
MASTERColour CDM-T 20W/830 G12 1CT/12	20 mm	0.75 in	4 mm	55 mm	57 mm	56 mm	103 mm



Photometric data





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data subject to change