

MASTERCcolour CDM-T

MASTERCcolour CDM-T 20W/830 G12 1CT

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



Product data

• General Characteristics

Cap-Base	G12
Bulb	T19 [T 19mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures EL	9000 hr
Life to 10% failures EL	10000 hr
Life to 20% failures EL	12000 hr
Life to 50% failures EL	15000 hr

• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	81 (min), 84 (nom) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Color Temperature Technical	2980 K
Luminous Flux Lamp EL	1800 Lm
Luminous Efficacy Lamp EL	90 Lm/W
Lumen Maintenance EL 2000h	87 %
Lumen Maintenance EL 5000h	83 %
Lumen Maintenance EL 10000h	78 %
Lumen Maintenance EL 12000h	77 %
Design Mean Lumens EL	1400 Lm

Chromaticity Coordinate X	0.434 -
Chromaticity Coordinate Y	0.391 -

• Electrical Characteristics

System Power EL	23.5 W
Lamp Wattage	20 W
Lamp Wattage EL 25°C, Rated	20.0 W
Lamp Wattage EL 25°C, Nominal	20.0 W
Lamp Voltage	94 V
Lamp Current EL	0.215 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	3.5 mg
Energy consumption kWh/1000h	22 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.4 (max) - 8 (min) h500lx
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PHILIPS

MASTERColour CDM-T

• Luminaire Design Requirements

Bulb Temperature 250 (max) C

• Product Dimensions

Reference Length A 90 (max) mm
 Overall Length C 103 (max) mm
 Diameter D 20 (max) mm
 Light Center Length L 55 (min), 56 (nom), 57 (max) mm
 Arc Length O 4 mm
 Light Center Length L [inch] 2.21875 in
 Overall Length C [inch] 3.9375 (max) in
 Diameter D [inch] 0.75 in

• Product Data

Order code 928183305125

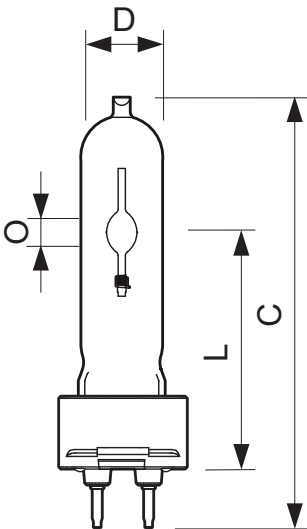
Full product code 928183305125
 Full product name MASTERColour CDM-T 20W/830 G12 1CT
 Order product name MASTERC CDM-T 20W/830 G12 1CT
 Pieces per pack 1
 Packing configuration 12
 Packs per outerbox 12
 Bar code on pack - EAN1 8727900871562
 Bar code on outerbox - EAN3 8727900871579
 Logistic code(s) - 12NC 928183305125
 ILCOS code MT/UB-20/830-H-G12-20/90
 Net weight per piece 27.000 gr

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.

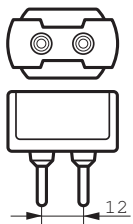
Dimensional drawing



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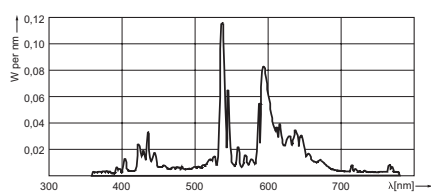
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 20W/830 G12	103	20	55	56	57	4

Dimensional drawing

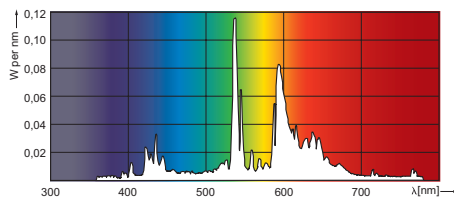


G12

Photometric data



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data subject to change