

# MASTERCcolour CDM-T

MASTERCcolour CDM-T 70W/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 EM	9000 hr
Life to 5% failures EL	9000 hr
Life to 10% failures EM	10000 hr
Life to 10% failures EL	10000 hr
Life to 20% failures EM	11000 hr
Life to 20% failures EL	11000 hr
Life to 50% failures EM	12000 hr
Life to 50% failures EL	12000 hr

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	84 Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Color Temperature Technical	3070 K
Luminous Flux Lamp EM	6600 Lm
Luminous Flux Lamp EL	6600 Lm
Luminous Efficacy Lamp EM	93 Lm/W

Lumen Maintenance EM 2000h	85 %
Lumen Maintenance EL 2000h	85 %
Lumen Maintenance EM 5000h	75 %
Lumen Maintenance EL 5000h	80 %
Lumen Maintenance EM 10000h	60 %
Lumen Maintenance EL 10000h	70 %
Design Mean Lumens EM	5250 Lm
Design Mean Lumens EL	4400 Lm
Chromaticity Coordinate X	0.432 -
Chromaticity Coordinate Y	0.395 -

### • Electrical Characteristics

System Power EM	88 W
System Power EL	83 W
Lamp Wattage	70 W
Lamp Wattage EM	71.0 W
Lamp Wattage EL	73 W
Lamp Voltage	88 V
Lamp Current EM	0.98 A
Lamp Current EL	0.87 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Ignition Peak Voltage	3500 (min) V
Re-ignition Time [min]	15 (max) min
Dimmable	No

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sense and simplicity

## • Environmental Characteristics

Mercury (Hg) Content 4.5 mg

## • UV-related Characteristics

PET (NIOSH) 64 h.klx  
Damage Factor D/fc 0.22 -

## • Luminaire Design Requirements

Cap-Base Temperature 280 (max) C  
Pinch Temperature 350 (max) C  
Bulb Temperature 500 (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 7 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

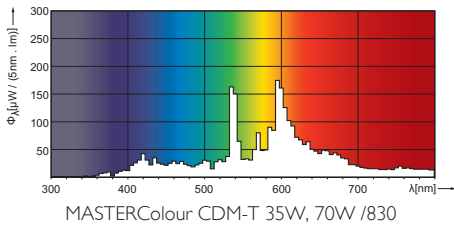
Order code 928082305125  
Full product code 928082305125  
Full product name MASTERC colour CDM-T 70W/830 G12 1CT  
Order product name MASTERC CDM-T 70W/830 G12 1CT/12  
Pieces per pack 1  
Packing configuration 12  
Packs per outerbox 12  
Bar code on pack - EAN1 8711500196996  
Bar code on outerbox - EAN3 8711500197009  
Logistic code(s) - 12NC 928082305125  
ILCOS code MT-70/30/1B-H-G12  
Net weight per piece 0.029 kg

## 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.

## Photometric data





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[www.philips.com/lighting](http://www.philips.com/lighting)

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data subject to change