

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	6400 Lm
Luminous Flux Lamp EL	6500 Lm
Luminous Efficacy Lamp EM	88 Lm/W

Luminous Efficacy Lamp EL	89 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 EL	5250 Lm
Design Mean Lumens EM	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 25°C, Nominal	70.0 W
Lamp Wattage EM 25°C, Rated	73.0 W
Lamp Wattage EL 25°C, Rated	73.0 W
Lamp Wattage EL 25°C, Nominal	70.0 W
Lamp Voltage	88 V

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MASTERColour CDM-T

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

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	4.5 mg
Energy consumption kWh/1000h	80 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.3 (max) - 8 (min) h500lx
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• 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
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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
Overall Length C [inch]	3.9375 (max)
Diameter D [inch]	0.75

• Product Data

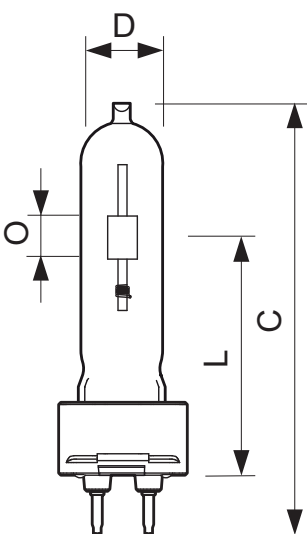
Order code	928082305125
Full product code	928082305125
Full product name	MASTERColour CDM-T 70W/830 G12 1CT
Order product name	MASTERC CDM-T 70W/830 G12 1CT
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500196996
Bar code on outerbox - EAN3	8711500197009
Logistic code(s) - 12NC	928082305125
ILCOS code	MT/UB-70/830-H-G12-20/90
Net weight per piece	29.000 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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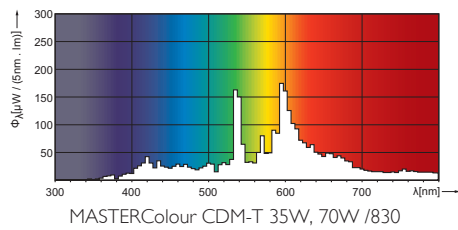
Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Norm)
CDM-T 70W/830 G12	103	20	55	56	57	7

Dimensional drawing



G12

Photometric data



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data subject to change