



# MASTERCcolour CDM-T

## MASTERCcolour CDM-T 70W/830 G12 1CT/12

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

### 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.

### Product data

General Information	
Cap-Base	G12 [ G12]
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)	11000 h
Life to 50% Failures (Nom)	12000 h
ANSI Code HID	C139/E
Light Technical	
Color Code	830 [ CCT of 3000K]
Luminous Flux (Rated) (Min)	5600 lm
Luminous Flux (Rated) (Nom)	6200 lm

Color Designation	Warm White (WW)
Lumen Maintenance 10000 h (Nom)	70 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Min)	70 %
Lumen Maintenance 5000 h (Nom)	80 %
Chromaticity Coordinate X (Nom)	0.432
Chromaticity Coordinate Y (Nom)	0.395
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	85 lm/W
Color Rendering Index (Nom)	84

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## Operating and Electrical

Power (Nom)	73.2 W
Lamp Current Run-Up (Max)	1.4 A
Lamp Current (EM) (Nom)	0.98 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Ignition Peak Voltage (Min)	3500 V
Re-Ignition Time (Min) (Max)	15 min
Ignition Time (Max)	30 s
Voltage (Max)	96 V
Voltage (Min)	80 V
Voltage (Nom)	88 V

## Controls and Dimming

Dimmable	No
Run-Up Time 90% (Max)	3 min

## Mechanical and Housing

Bulb Finish	Clear
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## Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	4.6 mg

Energy Consumption kWh/1000 h	80 kWh
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## UV

Pet (Niosh) (Min)	8 h/500lx
Damage Factor D/fc (Max)	0.3

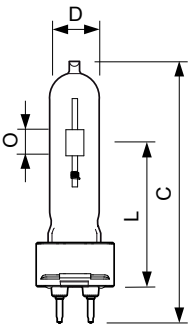
## Luminaire Design Requirements

Bulb Temperature (Max)	500 °C
Cap-Base Temperature (Max)	280 °C
Pinch Temperature (Max)	350 °C

## Product Data

Full product code	871150019699615
Order product name	MASTERCcolour CDM-T 70W/830 G12 1CT/12
EAN/UPC - Product	8711500196996
Order code	928082305125
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928082305125
Net Weight (Piece)	29.000 g
ILCOS Code	MT/UB-70/830-H-G12-20/90

## Dimensional drawing

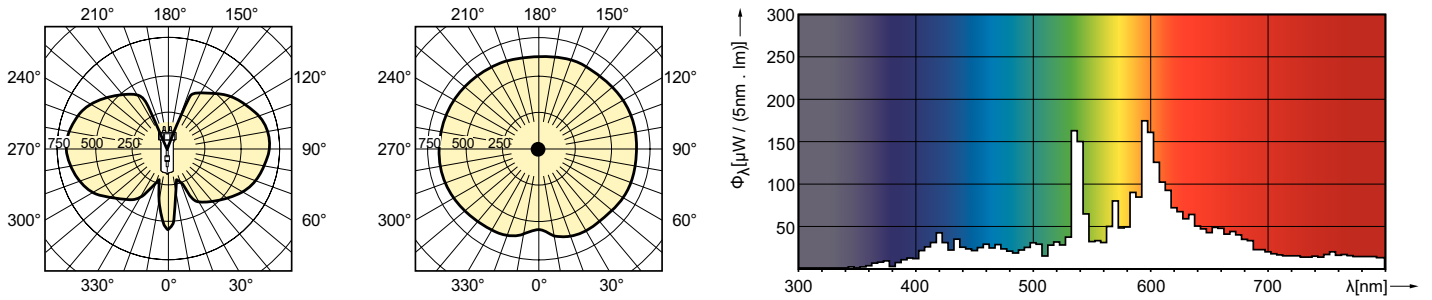


CDM-T 70W/830 G12

Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-T 70W/830 G12 1CT/12	20 mm	0.75 in	7 mm	55 mm	57 mm	56	103 mm
							mm

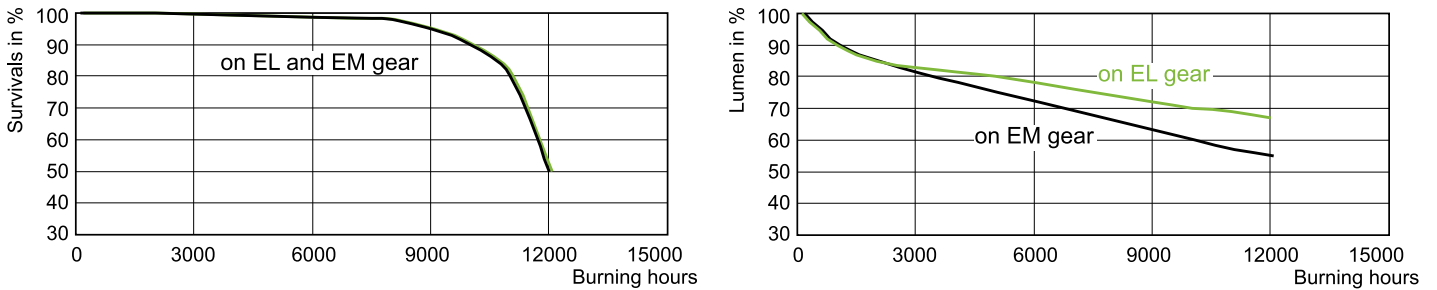
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## Photometric data



LDLD\_CDM-T\_70W\_830\_942-Light distribution diagram

## Lifetime



LDLE\_CDM-T\_70W\_830-Life expectancy diagram

LDLM\_CDM-T\_70W\_830-Lumen maintenance diagram

