



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
Flux measurement reference	Sphere
Light technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Nom)	6200 lm

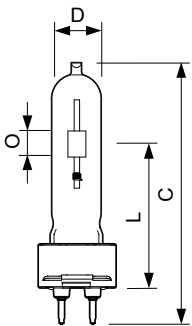
Luminous Flux (Rated) (Min)	5600 lm
Luminous Flux (Rated) (Nom)	6200 lm
Color Designation	Warm White (WW)
Lumen Maintenance 10000 h (Nom)	70 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Min)	70 %
Lumen Maintenance 5000 h (Nom)	80 %
Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.398
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	85 lm/W

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Color Rendering Index (Nom)	84
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
Bulb Shape	T19 [T 19mm]
Approval and application	
Energy Efficiency Class	G
Mercury (Hg) Content (Max)	4.6 mg
Mercury (Hg) Content (Nom)	4.6 mg

Energy Consumption kWh/1000 h	74 kWh
EPREL Registration Number	473328
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
Cap-Base Temperature (Max)-DUP(do not use)	536 °F
Pinch Temperature (Max)	350 °C
Pinch Temperature (Max)-DUP(do not use)	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
Local code description	8348270
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

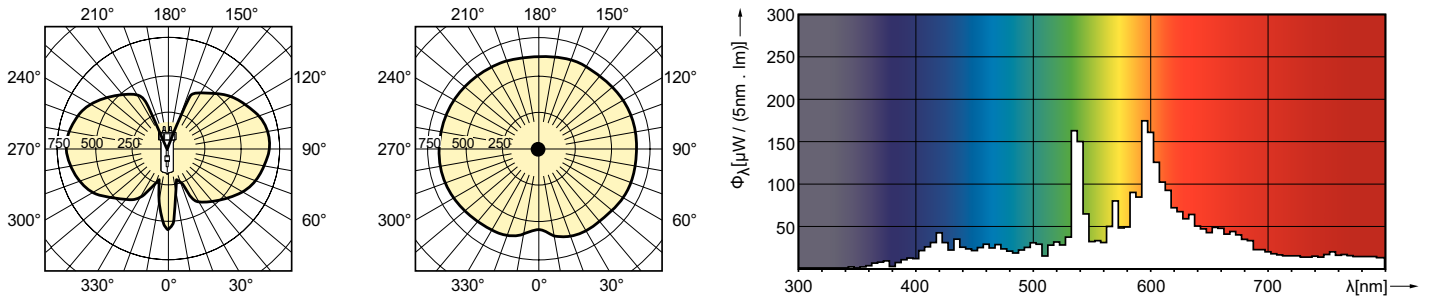


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Product	D (max)	D	O	L (min)	L (max)	L	C (max)
MASTERCcolour CDM-T 70W/830 G12 1CT/12	20 mm	0.75 in	7 mm	55 mm	57 mm	56 mm	103 mm

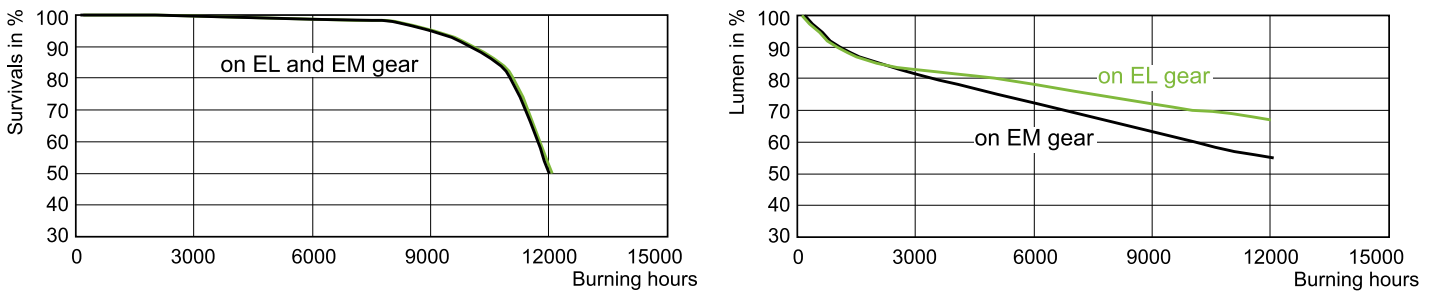
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Photometric data



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

