



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		Luminous Flux (Rated) (Min)	
Cap-Base	G12 [G12]		5600 lm
Operating Position	UNIVERSAL [Any or Universal (U)]	Luminous Flux (Rated) (Nom)	6200 lm
Life to 5% Failures (Nom)	9000 h	Color Designation	Warm White (WW)
Life To 10% Failures (Nom)	10000 h	Lumen Maintenance 10000 h (Nom)	70 %
Life to 20% Failures (Nom)	11000 h	Lumen Maintenance 2000 h (Min)	75 %
Life to 50% Failures (Nom)	12000 h	Lumen Maintenance 2000 h (Nom)	85 %
ANSI Code HID	C139/E	Lumen Maintenance 5000 h (Min)	70 %
Flux measurement reference	Sphere	Lumen Maintenance 5000 h (Nom)	80 %
Light Technical		Chromaticity Coordinate X (Nom)	0.434
Color Code	830 [CCT of 3000K]	Chromaticity Coordinate Y (Nom)	0.398
Luminous Flux (Nom)	6200 lm	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

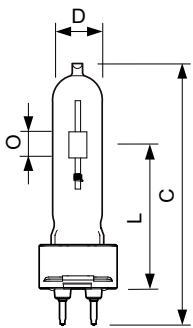
Luminaire Design Requirements

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

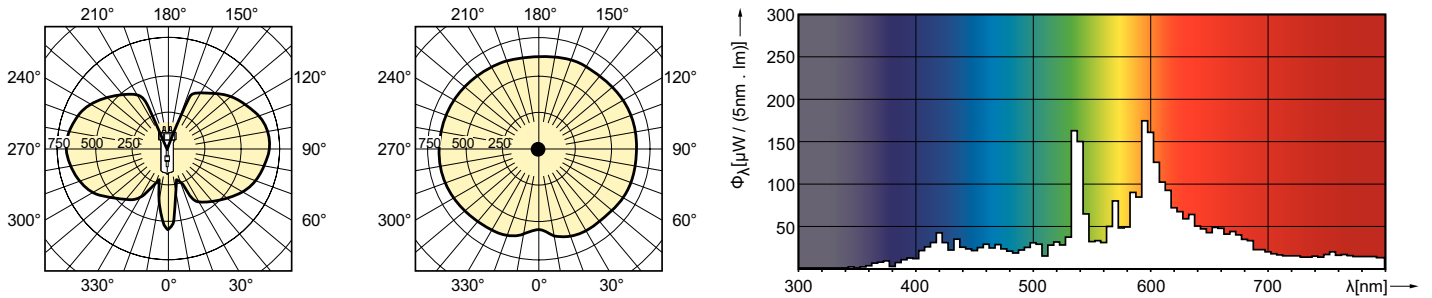


CDM-T 70W/830 G12

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

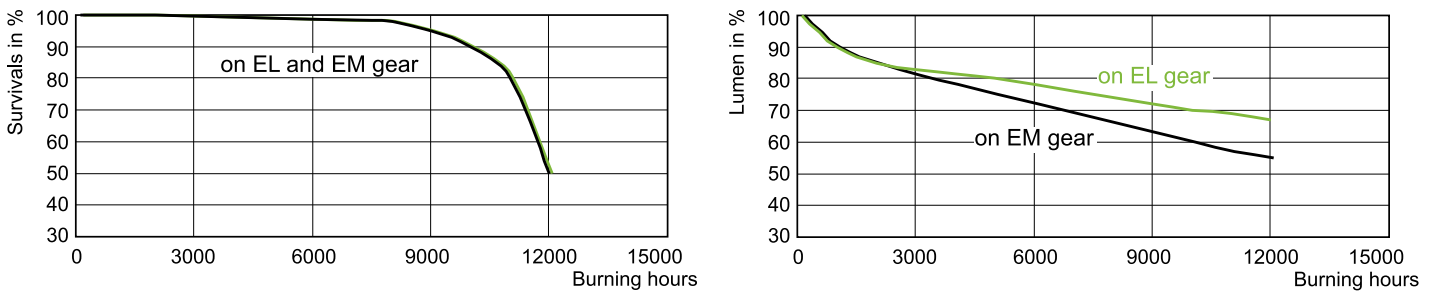
MASTERCoulour CDM-T

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

